



ATDM-1012 / ATDM-1012DAN

IP Control Protocol Specifications
DIGITAL SMARTMIXER

Revision history

Date	Version	Description of change
2020/09/08	1.0	First version
2022/08/22	1.1	<p>With the following commands, Renamed “Model ID” to “Device ID.” “Unit No.”renamed to “Unit ID/Category ID.”</p> <p>2.2.2 Set Command/Get Command 2.2.5 Answer 2.2.6 Information 2.2.7 Request</p> <p>Added parameters. 4.5.1Operator Page Common Setting Change Request 4.5.2Operator Page Common Setting Acquisition Request - Added USB MUTE Enable.</p> <p>Added A-T LINK related commands. The added commands are listed below. 4.7.1Connected Device Status Acquisition Request 4.7.3Connected Device Information Acquisition Request 4.7.4Connected Device’s Device ID Setting Request 5.2.14Connected Device Status Notification 5.2.16Connected Device Information Notification 4.2.22Device ID Change Request 4.2.23Device ID Acquisition Request 4.2.24Device ID Format Setting Request 5.1.1Communication Start Replaced Figure 5-1 Information <u>Command Processing Sequence</u>.</p> <p>2.2.4.1Error Codes Added 06 Device ID duplicate in Table 2-6 Error Codes.</p>
2022/10/11	1.3	<p>Changed 2.2.2 Device ID to fixed to 0. Changed the parameter range in 2.2.5-2.2.7 Device ID to 0 to 255. Modified the Device ID range for each command. Changed the command string for each command format to “0 bytes or more.” Deleted A-T LINK related commands. The deleted commands are listed below. 4.7.1Connected Device Status Acquisition Request 4.7.3Connected Device Information Acquisition Request</p>

Date	Version	Description of change
		<p>4.7.4 Connected Device's Device ID Setting Request</p> <p>5.2.14 Connected Device Status Notification</p> <p>5.2.16 Connected Device Information Notification</p> <p>4.2.22 Device ID Change Request</p> <p>4.2.23 Device ID Acquisition Request</p> <p>4.2.24 Device ID Format Setting Request</p>
2023/06/22	1.4	<p>Added A-T LINK related commands. The added commands are listed below.</p> <p>4.3.5 Input Channel Setting Acquisition Request 2</p> <p>4.3.8 Sub-input Channel Setting Acquisition Request 2</p> <p>4.6.6 Network Setting Acquisition Request 2</p> <p>4.7.1 Connected Device Status Acquisition Request</p> <p>4.7.3 Connected Device Information Acquisition Request</p> <p>4.7.4 Connected Device's Device ID Setting Request</p> <p>5.2.14 Connected Device Status Notification</p> <p>5.2.16 Connected Device Information Notification</p> <p>4.2.22 Device ID Change Request</p> <p>4.2.23 Device ID Acquisition Request</p> <p>4.2.24 Device ID Format Setting Request</p> <p>Added A-T LINK-related parameters.</p> <p>4.3.3 Input Channel Setting Change Request</p> <p>4.3.6 Sub-input Channel Setting Change Request</p> <p>4.6.4 Network Setting Change Request</p> <p>Added the new system to Device ID and Unit ID/Category ID protocol formats Described the new and old systems for the command formats below.</p> <p>2.2.2 Set Command/Get Command</p> <p>2.2.5 Answer</p> <p>2.2.6 Information</p> <p>2.2.7 Request</p> <p>Added a protocol format change command.</p> <p>4.6.49 IP Command Compatibility Setting Change Request</p> <p>Added 5.2.13 IP Control Start Notification sequence diagram.</p> <p>Added Appendix.</p> <p>6.7 Unit ID</p> <p>Added 6.8 Operator Fader Table.</p>

Date	Version	Description of change
		<p>Other</p> <p>Unified wording (dB, channel, A-T LINK).</p> <p>4.5.1 Operator Page Common Setting Change Request</p> <p>4.5.2 Operator Page Common Setting Acquisition Request</p> <p>Deleted USB Mute related text.</p>
2023/09/14	1.5	<p>Added ES964 to Virtual Mic Mode.</p> <p>4.6.19 Audio System Setting Change Request</p> <p>4.6.20 Audio System Setting Acquisition Request</p>
2025/09/25	1.6	<p>Added parameters.</p> <p>4.6.42 Identify Request</p> <p>Added commands.</p> <p>4.6.50 Dante Tx Select Setting Change Request</p> <p>4.6.51 Dante Tx Select Setting Acquisition Request</p> <p>4.7.2 Connected Device Status Acquisition Request 2</p> <p>5.2.15 Connected Device Status Notification 2</p> <p>Added ATSP-30LK to 6.7 Unit ID.</p>

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1 Preface

1.1 Purpose of This Document

These specifications are of commands to control ATDM-1012 developed by Audio-Technica Corporation.

1.2 Definition of Terms and Numeric Representation

The following table shows the definition of terms used in this document.

Term	Description
Host	A device that issues control commands. It refers to application software or a control device.
Device	A device to be controlled.
AT device	A device developed by Audio-Technica.
Message	A character string transmitted per communication in data format.
Command	A command statement to control a device. It is included in a message.
Parameter	Used in combination with a command. It is a setting value that specifies a command behavior.

The numeric representation is defined as follows:

Binary number: A value followed by b Example: 1010 0110b

Hexadecimal number: A value preceded by 0x Example: 0xA6

2 Basic Specifications

The IP control function uses TCP or UDP protocol to control the ATDM-1012.

2.1 Communication Interfaces

Table 2-1 Communication Interfaces

No	Item	Content	Remarks
1.	Communication system	Full duplex	
2.	Transmission speed	10 Mbps / 100 Mbps	
3.	Port number	Described later	
4.	Maximum data length ¹	287 bytes (including line feed codes)	32 bytes for Ethernet communication header, 255 bytes for control command
5.	Compatible connector	Device: RJ45 connector (compatible with 10/100 Mbps) Cable: CAT5e or higher	

¹ **File Transfer Request** and **Export Request** are exceptions.

2.2 Command Formats

Transmitted commands are categorized as follows:

Table 2-2 Communication Interfaces

No	Command	Content	Remarks
1.	Set Command	Action command	Change the ATDM-1012 settings.
2.	Get Command	Action command	Acquires the ATDM-1012 settings and status.
3.	ACK	Acknowledge	Responds to a Set Command.
4.	NAK	Negative acknowledge	Responds to a Set Command.
5.	Answer	Setting change notification	Responds to a Get Command.
6.	Information	Status change notification	Reports the ATDM-1012 settings and status change.
7.	Request	Action request	Requests an action to the host.

2.2.1 Command Common Rules

- (1) Use a single-byte space (␣: 0x20) as a delimiter.
- (2) In general, use ASCII codes for commands and UTF-8 for the parameters of specific commands (Example: Naming a device, etc.).
- (3) Add CR (0x0d) to the end of each command.

Example:

```
s_permission␣S␣0000␣00␣NC␣"ATDM-1012",0,,,,,,,,␣␣
factory␣ACK␣␣
factory␣NAK␣01␣␣
g_permission␣0000␣00␣NC␣"ATDM-1012",0,,,,,,,,␣␣
MD open_channel_notice␣0000␣00␣NC␣0,0,0,0,0,0␣␣
```

- ␣: Indicates a space.
- ␣: Indicates CR (0x0d).
- ■: Indicates a command parameter.

2.2.2 Set Command/Get Command

The action command format is shown below.

Table 2-3 Action Command Format

No	Item	Content	size	Remarks
1.	Command	Command string	0 bytes or more	See 3. Command List.
2.	Handshake Select	Sequence execution system	1 byte	H: Handshake method (Unused) O: One-Way method S: ACK/NAK format
3.	Device ID	Individual number	4 byte	New system 0000 : Specifies the own device 0001 to 0999: Device ID specification ² A001 to B099: Topology specification ³ FFFF : Category number specification ⁴ Old system 0000 : Fixed Switching between the new and old systems is possible in 4.6.49.
4.	Unit ID /Category ID	Model number/category number	2 byte	New system 00 to FF: Category ID Old system 00 to FF: Device ID ⁵ Switching between the new and old systems is possible in 4.6.49.
5.	Continue Select	Divided message system	2 byte	NC: No divided message CS: Head of divided message CM: Divided message CE: End of divided message
6.	Parameter	Command parameter	0 bytes or more	See Chapter 4.
7.	End Character	Message end character	1 byte	CR (0x0D)

² Specified only when commands are sent to the connected A-T LINK device.

³ Specified only when commands are sent to the connected A-T LINK device.

⁴ Specified only when commands are sent to the connected A-T LINK device.

⁵ Fixed to "FF" if Device ID is 256 or higher.

2.2.2.1 Omitting Parameters

When you send a command from the host, you can omit its parameters. When data are not specified with a comma (,) separation or space (_), the parameter is omitted.

Example: To omit all the parameters

```
s_permission _S_0000 _00 _NC_///////_↵
```

Depending on the command, however,

- An error may occur when all the parameters are omitted.
- The parameters may just not be specified instead of being omitted.

The above cases and parameters which cannot be omitted are described in each command of Chapter 4.6 and subsequent chapters.

2.2.3 ACK

The acknowledge command format is shown below.

Table 2-4 Acknowledge Command Format

No	Item	Content	Size	Remarks
1.	Command	Command string	0 bytes or more	See 3. Command List.
2.	ACK	ACK	3 byte	ACK (fixed)
3.	End Character	Message end character	1 byte	CR (0x0D)

2.2.4 NAK

The negative acknowledge command format is shown below.

Table 2-5 Negative Acknowledge Command Format

No	Item	Content	Size	Remarks
1.	Command	Command string	0 bytes or more	See 3. Command List.
2.	NAK	NAK	3 byte	NAK (fixed)
3.	Error Code	Error Codes	2 byte	See Table 2-6.
4.	End Character	Message end character	1 byte	CR (0x0D)

2.2.4.1 Error Codes

The error codes are shown below.

Table 2-6 Error Codes

Error Codes	Error description	Remarks
01	Syntax error	<ul style="list-style-type: none"> · A required element is not found. · The character string of a required element is incorrect. · The character string length for each element is outside the specified range. · The message string length including line feed codes is greater than the upper limit.
02	Invalid command	<ul style="list-style-type: none"> · The command is not found. (A non-existing command was specified. A command that cannot be used for the device was specified.)
03	Splitting transmission error	<ul style="list-style-type: none"> · "CM" or "CE" was specified when "CS" of Continue Select had not been received.
04	Parameter error	<ul style="list-style-type: none"> · An invalid channel was specified. · The parameter is outside the specified range. · Changing a parameter that cannot be changed was attempted. · (Changing Priority during Talk On)
05	Transmission timeout	Not used
06	Device ID duplicate	Unable to change due to device ID duplicate
90	Busy	Unable to process due to a busy state
92	Busy (Save mode)	Unable to process due to p-Fail (power shutdown) occurrence
93	Busy(Extension)	Processing unavailable (unused) due to Extension mode (CU link)
99	Other errors	Errors other than the above

2.2.5 Answer

The command format of the setting status response is shown below.

Table 2-7 Setting Status Return Command Format

No	Item	Content	size	Remarks
1.	Command	Command string	0 bytes or more	See 3. Command List.
2.	Device ID	Individual number	4 byte	New system 0000 to 0999: Device ID Old system 0000: Fixed Switching between the new and old systems is possible in 4.6.49.
3.	Unit ID /Category ID	Model number/category number	2 byte	New system 00 to FF: Category ID Old system 00 to FF: Device ID ⁶ Switching between the new and old systems is possible in 4.6.49.
4.	Continue Select	Divided message system	2 byte	NC: No divided message CS: Head of divided message CM: Divided message CE: End of divided message
5.	Parameter	Command parameter	0 bytes or more	See Chapters 4 and 5.
6.	End Character	Message end character	1 byte	CR (0x0D)

⁶ Fixed to "FF" if Device ID is 256 or higher.

2.2.6 Information

The command format of the status change notification is shown below.

Table 2-8 Status Change Notification Command Format

No	Item	Content	size	Remarks
1.	Modify	MD	2 byte	MD (fixed)
2.	Command	Command string	0 bytes or more	See 3. Command List.
3.	Device ID	Individual number	4 byte	New system 0000 to 0999: Device ID Old system 0000: Fixed Switching between the new and old systems is possible in 4.6.49.
4.	Unit ID /Category ID	Model number/category number	2 byte	New system 00 to FF: Category ID Old system 00 to FF: Device ID ⁷ Switching between the new and old systems is possible in 4.6.49.
5.	Continue Select	Divided message system	2 byte	NC: No divided message CS: Head of divided message CM: Divided message CE: End of divided message
6.	Parameter	Command parameter	0 bytes or more	See Chapter 5.
7.	End Character	Message end character	1 byte	CR (0x0D)

⁷ Fixed to "FF" if Device ID is 256 or higher.

2.2.7 Request

The command format of the action request is shown below.

Table 2-9 Action Request Command Format

No	Item	Content	size	Remarks
1.	Request	RQ	2 byte	RQ (fixed)
2.	Command	Command string	0 bytes or more	See 3. Command List.
3.	Device ID	Individual number	4 byte	New system 0000 to 0999: Device ID Old system 0000: Fixed Switching between the new and old systems is possible in 4.6.49.
4.	Unit ID /Category ID	Model number/category number	2 byte	New system 00 to FF: Category ID Old system 00 to FF: Device ID ⁸ Switching between the new and old systems is possible in 4.6.49.
5.	Continue Select	Divided message system	2 byte	NC: No divided message CS: Head of divided message CM: Divided message CE: End of divided message
6.	Parameter	Command parameter	0 bytes or more	See Chapter 4.
7.	End Character	Message end character	1 byte	CR (0x0D)

⁸ Fixed to "FF" if Device ID is 256 or higher.

3 Command List

Table 3-1 Command List

No	Category	Command	Command Name	Remarks	type			Compatibility with ATDM-0604	Compatibility with CN Version
					set	get	info		
1	Individual command	SICL	Input CH Level Change Request		○			-	
2		GICL	Input CH Level Acquisition Request			○		-	
3		SICM	Input CH Mute State Change Request		○			-	
4		GICM	Input CH Mute State Acquisition Request			○		-	
5		SOCL	Output CH Level Change Request		○			-	
6		GOCL	Output CH Level Acquisition Request			○		-	
7		SOCM	Output CH Mute State Change Request		○			-	
8		GOCM	Output CH Mute State Acquisition Request			○		-	
9		SBUS	Bus Assign Change Request		○			-	
10		GBUS	Bus Assign Acquisition Request			○		-	
11		SOPL	Operator Fader Level Change Request		○			-	
12		GOPL	Operator Fader Level Acquisition Request			○		-	
13		SOPM	Operator Fader Mute State Change Request		○			-	
14		GOPM	Operator Fader Mute State Acquisition Request			○		-	
15		SSMM	SmartMix Mode Change Request		○			-	
16		GSMM	SmartMix Mode Acquisition Request			○		-	
17		NOOM	No. of Open Mic Change Request		○			-	
18		GNOOM	No. of Open Mic Acquisition Request			○		-	
19		CALLP	Preset Call Request		○			-	
20		REGIP	Preset Save Request		○			-	
21		CALLPP	Partial Preset Call Request		○			-	No
22		SDID	Device ID Change Request		○			-	
23		GDID	Device ID Acquisition Request			○		-	
24		SFID	Device ID Format Setting Request		○			-	
25	Input	s_input_gain_level	Input Gain&Level Setting Change Request		○			Yes	
26		g_input_gain_level	Input Gain&Level Setting Acquisition Request			○		Yes	
27		input_gain_level_meter_notice	Input Gain/Level Setting Notice				○	Yes	
28		s_input_channel_settings	Input Channel Setting Change Request		○			Yes	
29		g_input_channel_settings	Input Channel Setting Acquisition Request			○		Yes	
30		g_input_channel_settings2	Input Channel Setting Acquisition Request 2			○		-	

No	Category	Command	Command Name	Remarks	type			Compatibility with ATDM-0604	Compatibility with CN Version
					set	get	info		
31		s_subinput_channel_settings	Sub-input Channel Setting Change Request		○			-	
32		g_subinput_channel_settings	Sub-input Channel Setting Acquisition Request			○		-	
33		g_subinput_channel_settings2	Sub-input Channel Setting Acquisition Request 2			○		-	
34		s_input_channel_bus_settings	Input Channel Bus Setting Change Request		○			-	
35		g_input_channel_bus_settings	Input Channel Bus Setting Acquisition Request			○		-	
36		s_input_eq	Input EQ Setting Change Request		○			Yes	
37		g_input_eq	Input EQ Setting Acquisition Request			○		Yes	
38		s_fbs_general	FBS Common Setting Change Request		○			Yes	
39		g_fbs_general	FBS Common Setting Acquisition Request			○		Yes	
40		s_fbs	FBS Setting Change Request		○			Yes	
41		g_fbs	FBS Setting Acquisition Request			○		Yes	
42		s_input_channel_comp_settings	Input Channel Dynamics Setting Change Request		○			-	
43		g_input_channel_comp_settings	Input Channel Dynamics Setting Acquisition Request			○		-	
44		s_aec_general	AEC Setting Change Request		○			Yes	No
45		g_aec_general	AEC Setting Acquisition Request			○		Yes	No
46		s_smart_mix	Smart Mix Setting Change Request		○			No	
47		g_smart_mix	Smart Mix Setting Acquisition Request			○		No	
48		s_smart_mix_general	Smart Mix Common Setting Change Request		○			Yes	
49		g_smart_mix_general	Smart Mix Common Setting Acquisition Request			○		Yes	
50		open_channel_notice	Open Channel State Notice				○	No	No
51		cancut_notice	Can Cut Notice				○	Yes	No
52		s_ducker_general	Ducker Setting Change Request		○			No	
53		g_ducker_general	Ducker Setting Acquisition Request			○		No	
54		s_matrix_general	Matrix Bus Common Setting Change Request		○			-	
55		g_matrix_general	Matrix Bus Common Setting Acquisition Request			○		-	
56		s_name_bus	Matrix Bus Name Change Request		○			-	
57		g_name_bus	Matrix Bus Name Acquisition Request			○		-	

No	Category	Command	Command Name	Remarks	type			Compatibility with ATDM-0604	Compatibility with CN Version
					set	get	info		
58	Output	s_output_level	Output Level Setting Change Request		○			Yes	
59		g_output_level	Output Level Setting Acquisition Request			○		Yes	
60		output_level_notice	Output Level Setting Notice				○	Yes	
61		s_output_mute	Output Channel Mute Setting Change Request		○			Yes	
62		g_output_mute	Output Channel Mute Setting Acquisition Request			○		Yes	
63		output_mute_notice	Output Mute Setting Notice				○	Yes	
64		s_output_channel_settings	Output Channel Setting Change Request		○			Yes	
65		g_output_channel_settings	Output Channel Setting Acquisition Request			○		Yes	
66		s_output_eq	Output EQ Setting Change Request		○			Yes	
67		g_output_eq	Output EQ Setting Acquisition Request			○		Yes	
68		s_output_12eq_func	12BandEQFunction Request		○			-	
69		s_fbs	FBS Setting Change Request		○			Yes	
70		g_fbs	FBS Setting Acquisition Request			○		Yes	
71		fbs_notice	FBS Notice				○	No	No
72		s_dynamics_delay	Dynamics&Delay Setting Change Request		○			No	
73		g_dynamics_delay	Dynamics&Delay Setting Acquisition Request			○		No	
74		s_usb_out	USB Output Setting Change Request		○			No	
75		g_usb_out	USB Output Setting Acquisition Request			○		No	
76	s_oscillator	Oscillator Control Setting Change Request		○			-		
77	g_oscillator	Oscillator Control Setting Acquisition Request			○		-		
78	Operator page	s_operator_general	Operator Page Common Setting Change Request		○			No	
79		g_operator_general	Operator Page Common Setting Acquisition Request			○		No	
80		s_operator_pagesettings	Operator Page Setting Change Request		○			-	
81		g_operator_pagesettings	Operator Page Setting Acquisition Request			○		-	
82		s_operator_channel	Operator Page Channel Setting Change Request		○			-	
83		g_operator_channel	Operator Page Channel Setting Acquisition Request			○		-	
84		operator_channel_notice	Operator Page Channel Setting Notification				○	Yes	
85		s_operator_assign	Operator Page Assign Channel Setting Change Request		○			-	

No	Category	Command	Command Name	Remarks	type			Compatibility with ATDM-0604	Compatibility with CN Version
					set	get	info		
86		g_operator_assign	Operator Page Assign Channel Setting Acquisition Request			○		-	
87		s_operator_mute	Operator Page Channel Mute Request		○			Yes	
88		s_arraymic_mute	Array Mic Mute Control Request		○			Yes	
89		g_arraymic_mute	Array Mic Mute Status Acquisition Request			○		Yes	
90		arraymic_mute_notice	Array Mic Mute Status Notice				○	Yes	
91		rec_status_notice	Recording Status Notification				○	-	
92	System setting	factory_settings	Factory Default Setting Request		○			-	
93		g_deviceid	Device ID Acquisition Request			○		-	
94		s_permission	Permission Setting Change Request		○			Yes	
95		g_permission	Permission Setting Acquisition Request			○		Yes	
96		s_network	Network Setting Change Request		○			Yes	
97		g_network	Network Setting Acquisition Request			○		Yes	
98		g_network2	Network Setting Acquisition Request 2			○		-	
99		s_network_dante	Dante Setting Change Request		○			-	
100		g_network_dante	Dante Setting Acquisition Request			○		-	
101		g_firmware_version	Firmware Version Acquisition Request			○		Yes	
102		s_header_color	Header Color Setting Change Request		○			Yes	
103		g_header_color	Header Color Setting Acquisition Request			○		Yes	
104		s_link	A-T LINK Mode Setting Change Request		○			Yes	
105		g_link	AT-LINK Mode Setting Acquisition Request			○		Yes	
106		g_link_extstatus	A-T LINK Status Acquisition Request			○		-	
107	s_connected_limit	Connected Device Limit Setting Change Request		○			Yes		
108	g_connected_limit	Connected Device Limit Setting Acquisition Request			○		Yes		
109	s_connected_page	Connected Device Operator Page Setting Change Request		○			-		
110	g_connected_page	Connected Device Operator Page Setting Acquisition Request			○		-		
111	s_audio_system	Audio System Setting Change Request		○			No		
112	g_audio_system	Audio System Setting Acquisition Request			○		No		
113	s_front_panel	Front Panel Setting Change Request		○			No		
114	g_front_panel	Front Panel Setting Acquisition Request			○		No		
115	s_front_panel_limit	Front Panel Function Setting Change Request		○			-		

No	Category	Command	Command Name	Remarks	type			Compatibility with ATDM-0604	Compatibility with CN Version
					set	get	info		
116		g_front_panel_limit	Front Panel Function Setting Acquisition Request			○		-	
117		s_log	Log Setting Change Request		○			Yes	
118		g_log	Log Setting Acquisition Request			○		Yes	
119		call_preset	Preset Call Request		○			Yes	
120		save_preset	Preset Save Request		○			Yes	
121		s_name_bank	Preset Bank Name Change Request		○			Yes	
122		g_name_bank	Preset Bank Name Acquisition Request			○		Yes	
123		s_bootup_preset	Boot Up Preset Setting Change Request		○			Yes	
124		g_bootup_preset	Boot Up Preset Setting Acquisition Request			○		Yes	
125		s_preset_general	Preset Common Setting Change Request		○			-	
126		g_preset_general	Preset Common Setting Acquisition Request			○		-	
127		g_preset_number	Preset Number Acquisition Request			○		-	
128		recall_preset_notice	Preset Call Notification				○	-	
129		call_partial_preset	Partial Preset Call Request		○			-	No
130		g_partial_preset_number	Partial Preset Number Acquisition Request			○		-	No
131		recall_partial_preset_notice	Partial Preset Call Notification				○	-	No
132		file_transfer	File Transfer Request		○			Yes	
133		file_transfer_cancel	File Transfer Cancel Request		○			Yes	
134		export	Export Request			○		Yes	
135		import	Import Request		○			Yes	
136		s_level_meter_interval	Level Meter Notification Interval Setting Change Request		○			Yes	
137		g_level_meter_interval	Level Meter Notification Interval Setting Acquisition Request			○		-	
138		g_level_meter	Level Meter Acquisition Request			○		No	
139		level_meter_notice	Level Meter Notification				○	No	
140		identify	Identify Request		○			Yes	
141		s_date	Date Setting Request		○			Yes	
142		reboot	Reboot Request		○			-	
143		ip_control_start_notice	IP Control Start Notification				○	-	
144		ZIDIP	IP Command Compatibility Setting Change Request		○			-	
145		s_dante_tx	Dante Tx Select Setting Change Request		○			-	

No	Category	Command	Command Name	Remarks	type			Compatibility with ATDM-0604	Compatibility with CN Version
					set	get	info		
146		g_dante_tx	Dante Tx Select Setting Acquisition Request			○		-	
147	Connected device	g_peripheral_status	Connected Device Status Acquisition Request			○		-	
148		g_peripheral_status2	Connected Device Status Acquisition Request 2			○		-	
149		g_peripheral_info	Connected Device Information Acquisition Request			○		-	
150		s_peripheral_deviceid	Connected Device's Device ID Setting Request		○			-	
151		peripheral_status_notice	Connected Device Status Notification				○	-	
152		peripheral_status_notice2	Connected Device Status Notification 2				○	-	
153		peripheral_info_notice	Connected Device Information Notification				○	-	

4 TCP Communications

To control the ATDM-1012 from the host, TCP protocol is used for communications.

4.1 Communication Control

The following figure shows the communication control flow of IP control.

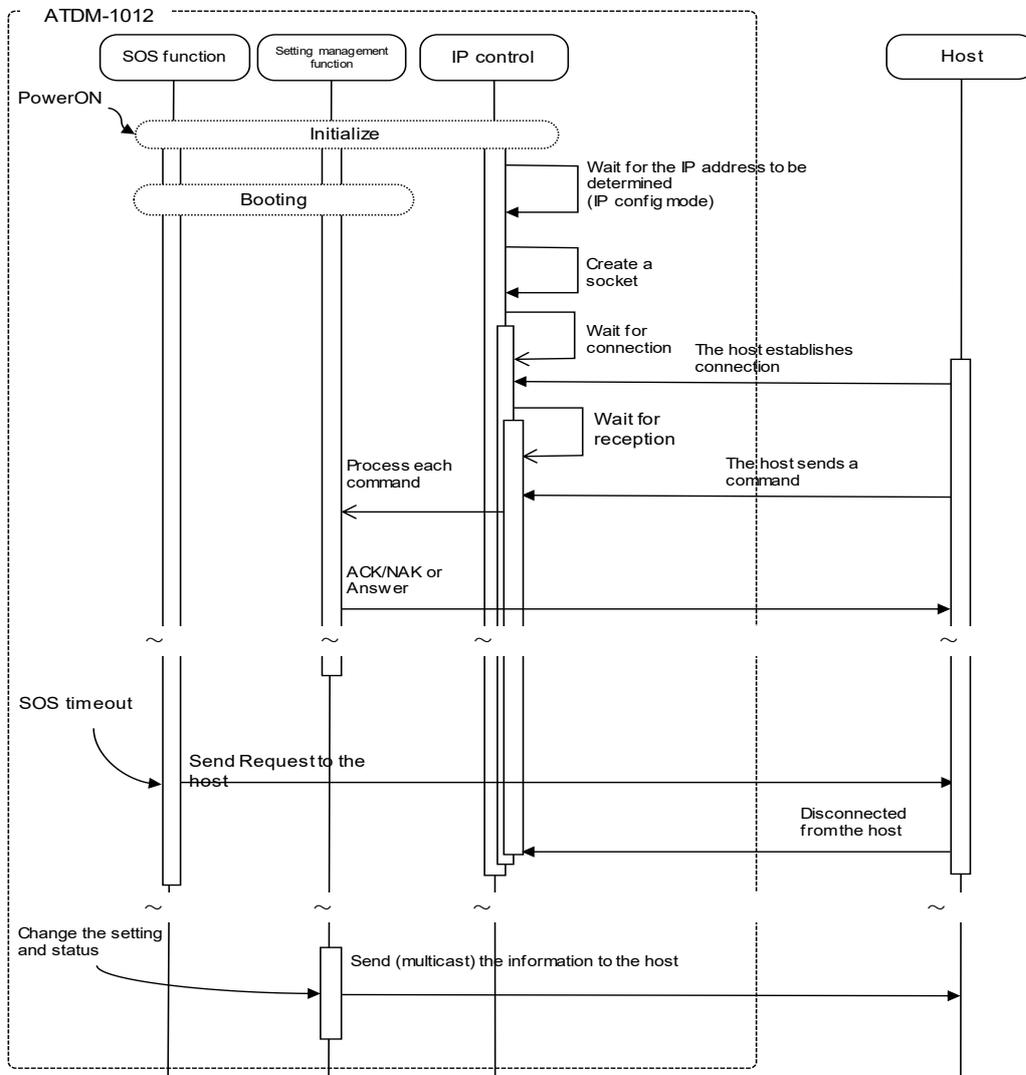


Figure 4-1 Communication Control Flow

- After the system is booted, the status changes from initializing to connection waiting.
- When the host establishes connection with the system, the status changes from connection waiting to reception waiting.
- Received commands are processed by internal processing tasks, and the results (ACK/NAK) are sent.
Since commands are asynchronously processed, reception is possible even during processing (The next command can be sent without waiting for ACK/NAK and Answer). However, some commands return NAK (90: BUSY).
- When the system is disconnected from the host, the status changes from reception waiting to connection waiting.

4.1.1 Communication Start

The host establishes connections with the ATDM-1012.

Simultaneous connection is limited to five devices. If the number exceeds the upper limit, the extra connection fails.

Table 4-1 Communication Control Parameters

No	Name	Default Setting	Remarks
1.	IPAddress	Auto	
2.	Port No	17300	

4.1.2 Control Sequence

4.1.2.1 Set Command

Responding to a Set Command, the ATDM-1012 sends ACK/NAK to the sender.

<Example> The sequence of factory default setting is shown below.

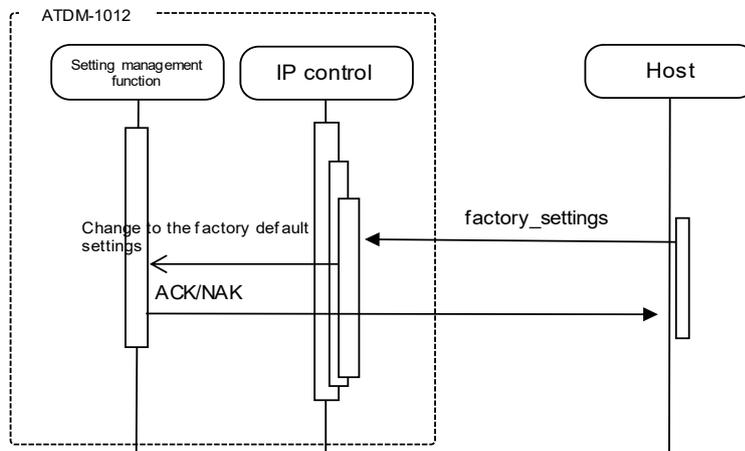


Figure 4-2 Set Command Processing Sequence

If an error occurs in a Set Command, such as a syntax error or incorrect parameter, an NAK command is sent to the sender.

4.1.2.2 Get Command

Responding to a Get Command, the ATDM-1012 sends Answer to the sender.

<Example> The sequence of Output Level Setting Acquisition Request is shown below.

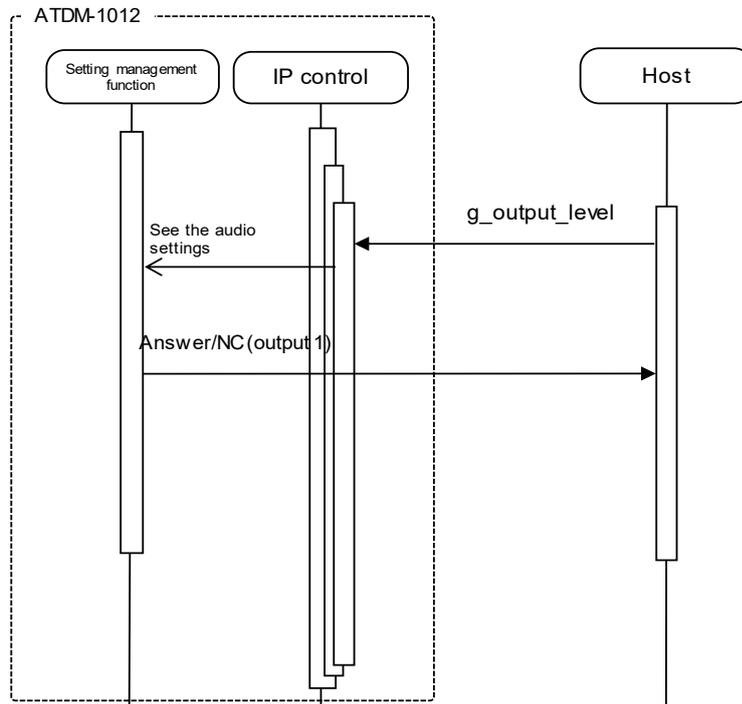


Figure 4-3 Get Command Processing Sequence

If an error occurs in a Get Command, such as a syntax error or incorrect parameter, an NAK command is sent to the sender.

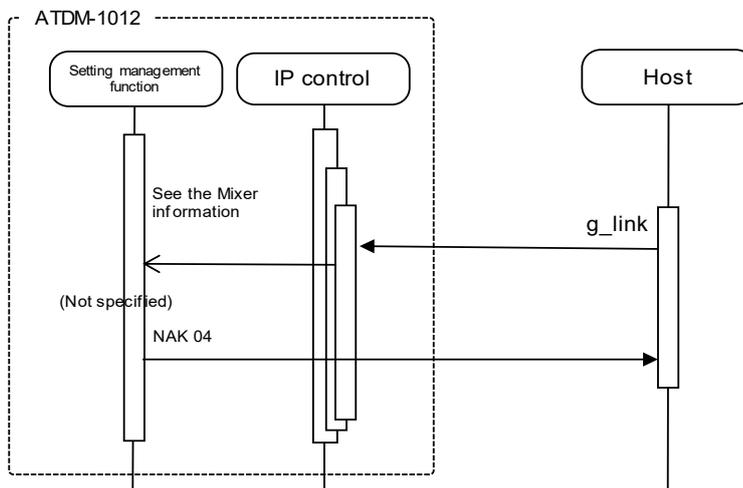


Figure 4-4 Get Command Processing Sequence (NAK)

4.1.2.3 Request

The ATDM-1012 sends a Request command at any timing. (Not supported)

**<Example> The sequence of status check notification is shown below.
 The ATDM-1012 sends the status check notification command to all the connected sockets.
 A host receiving the status check notification command needs to send a specific command to the ATDM-1012.**

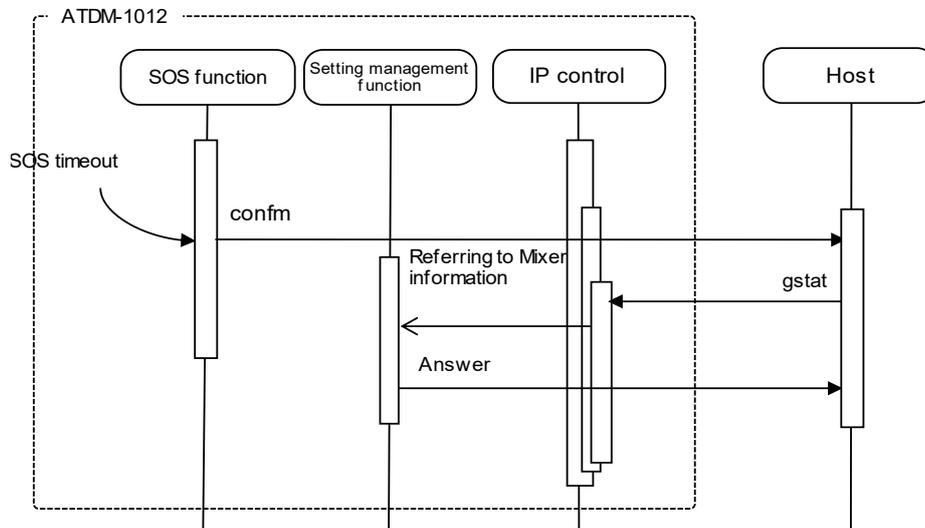


Figure 4-5 Request Command Processing Sequence

4.1.3 Communication Errors

4.1.3.1 Transmission Errors

The following figure shows the sequence when an ACK/NAK transmission error occurs.

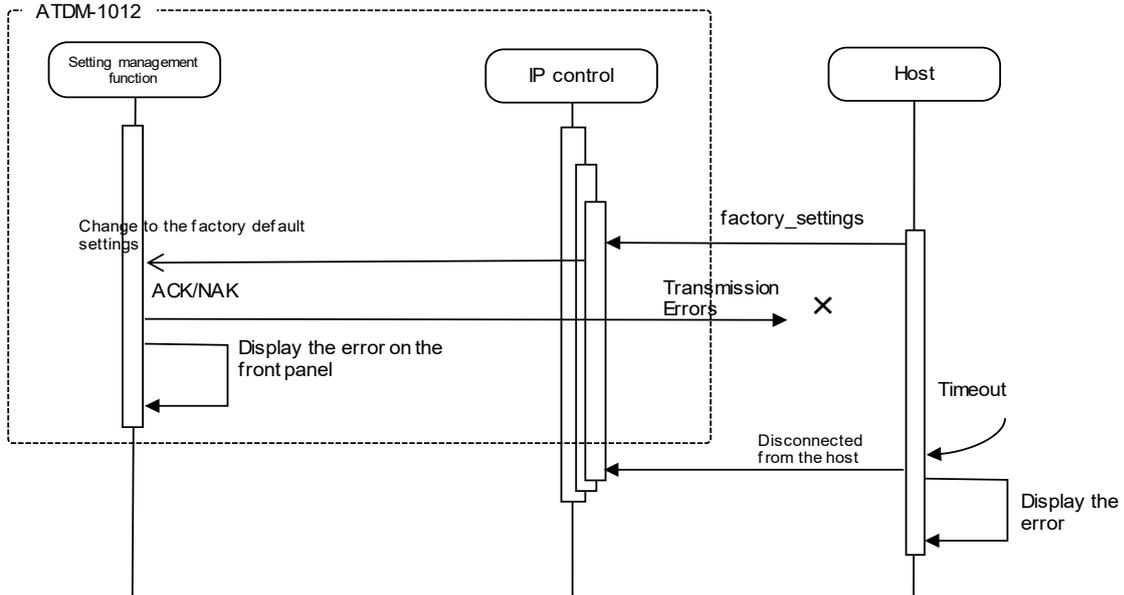


Figure 4-6 Sequence for Transmission Errors

4.1.3.2 Receive Errors

The following figure shows the sequence when a command receive error occurs.

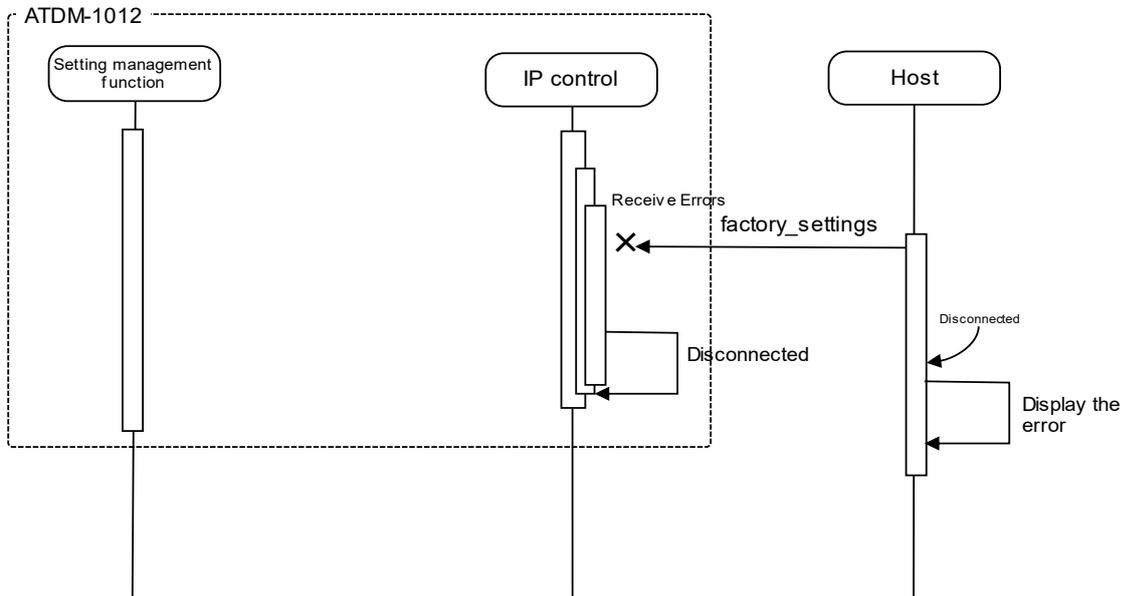


Figure 4-7 Sequence for Receive Errors

4.1.3.3 Message Split Receive Timeouts

The following figure shows the sequence when a message split receive timeout occurs.

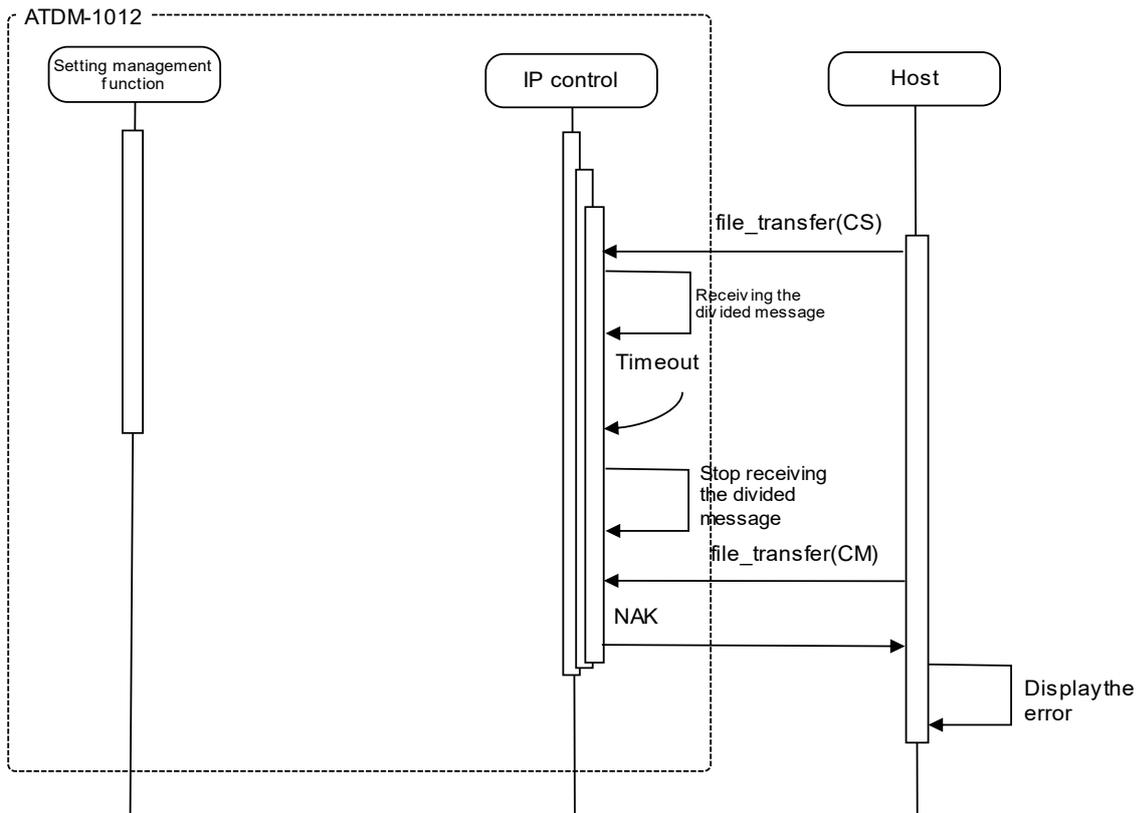


Figure 4-8 Sequence for Message Split Receive Timeouts

4.1.4 Communication End

The host can be disconnected at any timing when communications end.

When it is disconnected, the ATDM-1012 clears the corresponding connection state (Example: File transferring) and enters the connection wait state again. This occurs even if a cable is disconnected.

To communicate again, the host needs to establish connection.

4.2 Individual Command Details

4.2.1 Input CH Level Change Request

After receiving the Input CH Level Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Input CH Level Change Request from the host is shown below.

SICL_S_0000_00_NC_1,511_↵

Table 4-2 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SICL		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
				12 to 19	Sub Input Channel 1 to 8	
Level	Level	string	0 to 511	-∞, -120 dB to +10 dB	See 6.1 Fader Table.	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.2 Input CH Level Acquisition Request

After receiving the Input CH Level Acquisition Request, the ATDM-1012 sends the input CH level to the host via Answer.

(1) Get Command

The command format of the Input CH Level Acquisition Request from the host is shown below.

GICL_O_0000_00_NC_1_↓

Table 4-3 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GICL		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Input Channel Select	Parameter Input channel select	string	0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
				12 to 19	Sub Input Channel 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

GICL_0000_00_NC_1,511_↵

Table 4-4 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GICL		
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter Input Channel Select	Parameter Input channel select	string	0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
				12 to 19	Sub Input Channel 1 to 8	
	Level	Level	string	0 to 511	-∞, -120 dB to +10 dB	See 6.1 Fader Table.
6	End Character	Message end character	binary	0x0d	CR	

4.2.3 Input CH Mute State Change Request

After receiving the Input CH Mute State Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Input CH Mute State Change Request from the host is shown below.

SICM_S_0000_00_NC_1,1_↵

Table 4-5 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SICM		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Input Channel Select	Parameter Input channel select	string	0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
				12 to 19	Sub Input Channel 1 to 8	
	Mute	Mute	string	0	Disable	
			1	Enable		
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.4 Input CH Mute State Acquisition Request

After receiving the Input CH Mute State Acquisition Request, the ATDM-1012 sends the input CH Mute state to the host via Answer.

(1) Get Command

The command format of the Input CH Mute State Acquisition Request from the host is shown below.

GICM_O_0000_00_NC_1_↵

Table 4-6 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GICM		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Input Channel Select	Parameter Input channel select	-	-	No parameter	
				0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
	12 to 19	Sub Input Channel 1 to 8				
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

GICM_0000_00_NC_1,1_↵

Table 4-7 Answer Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	GICM		
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter Input Channel Select	Parameter Input channel select	string	0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
				12 to 19	Sub Input Channel 1 to 8	
	Mute	Mute	string	0	Disable	
			1	Enable		
6	End Character	Message end character	binary	0x0d	CR	

4.2.5 Output CH Level Change Request

After receiving the Output CH Level Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Output CH Level Change Request from the host is shown below.

SOCL_S_0000_00_NC_1,511_↓

Table 4-8 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SOCL		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
Level	Level	string	0 to 511	-∞, -120 dB to +10 dB	See 6.1 Fader Table.	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.6 Output CH Level Acquisition Request

After receiving the Output CH Level Acquisition Request, the ATDM-1012 sends the output CH level to the host via Answer.

(1) Get Command

The command format of the Output CH Level Acquisition Request from the host is shown below.

GOCL_O_0000_00_NC_1_↵

Table 4-9 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GOCL		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
	Output Channel Select	Output channel select	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

GOCL_0000_00_NC_1,511_↵

Table 4-10 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GOCL		
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Output Channel Select	Output channel select	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
Level	Level	string	0 to 511	-∞, -120 dB to +10 dB	See 6.1 Fader Table.	
6	End Character	Message end character	binary	0x0d	CR	

4.2.7 Output CH Mute State Change Request

After receiving the Output CH Mute State Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Input CH Mute State Change Request from the host is shown below.

SOCM_S_0000_00_NC_1,1

Table 4-11 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SOCM		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
	Mute	Mute	string	0	Disable	
1				Enable		
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See [Factory Default Setting Request \(2\)](#).

4.2.8 Output CH Mute State Acquisition Request

After receiving the Output CH Mute State Acquisition Request, the ATDM-1012 sends the output CH Mute state to the host via Answer.

(1) Get Command

The command format of the Output CH Mute State Acquisition Request from the host is shown below.

GOCM_O_0000_00_NC_1_↵

Table 4-12 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GOCM		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Output Channel Select	Parameter Output channel select	-	-	No parameter	
				0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

GOCM_0000_00_NC_1,1_↵

Table 4-13 Answer Command Format

No	item	Description	type	value	value description	remarks			
1	Command	Command string	string	GOCM					
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .				
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .				
4	Continue Select	Divided message system	string	NC	No divided message				
5	Parameter	Parameter	string						
				Output Channel Select	Output channel select	string	0 to 7	Output Channel 1 to 8	
							8	Output ST1	
	Mute	Mute	string	0	Disable				
				1	Enable				
6	End Character	Message end character	binary	0x0d	CR				

4.2.9 Bus Assign Change Request

After receiving the Bus Assign Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Bus Assign Change Request from the host is shown below.

SBUS_S_0000_00_NC_1,1,2,411_↓

Table 4-14 Command Format

No	item	Description	type	value	value description	remarks			
1	Command	Command string	string	SBUS					
2	HandShake Select	Sequence execution system	string	S					
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.				
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.				
5	Continue Select	Divided message system	string	NC	No divided message				
6	Parameter	Parameter							
				Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10	
							10	Input ST1	
							11	Input ST2	
							12 to 19	Sub Input Channel 1 to 8	
				Bus Channel	Bus channel	string	1 to 12	Bus channel	
				Bus Assign	Bus assign	string	0	Off	
1	Smart Mix Pre Assign								
2	Smart Mix Post Assign								
Level	Level	string	0 to 411	-∞, -120 dB to 0 dB	See 6.1 Fader Table.				
7	End Character	Message end character	binary	0x0d	CR				

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.10 Bus Assign Acquisition Request

After receiving the Bus Assign Acquisition Request, the ATDM-1012 sends the bus assign settings to the host via Answer.

(1) Get Command

The command format of the Bus Assign Acquisition Request from the host is shown below.

GBUS_O_0000_00_NC_1,12_↵

Table 4-15 Command Format

No	item	Description	type	value	value description	remarks				
1	Command	Command string	string	GBUS						
2	HandShake Select	Sequence execution system	string	O						
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .					
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .					
5	Continue Select	Divided message system	string	NC	No divided message					
6	Parameter	Parameter	-	-	No parameter					
					Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10	
								10	Input ST1	
								11	Input ST2	
								12 to 19	Sub Input Channel 1 to 8	
Bus Channel	Bus channel	string	1 to 12	Bus channel						
7	End Character	Message end character	binary	0x0d	CR					

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

GBUS_0000_00_NC_1,12,2,411_↵

Table 4-16 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GBUS		
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
				12 to 19	Sub Input Channel 1 to 8	
	Bus Channel	Bus channel	string	1 to 12	Bus channel	
	Bus Assign	Bus assign	string	0	Off	
				1	Smart Mix Pre Assign	
2				Smart Mix Post Assign		
Level	Level	string	0 to 411	-∞, -120 dB to 0 dB	See 6.1 Fader Table.	
6	End Character	Message end character	binary	0x0d	CR	

4.2.11 Operator Fader Level Change Request

After receiving the Operator Fader Level Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Operator Fader Level Change Request from the host is shown below.

SOPL_S_0000_00_NC_8,8,100_↓

Table 4-17 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SOPL		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Operator Page No	Operator page number	string	1 to 8	Operator page 1 to 8	
	Operator Fader No	Operator fader number	string	1 to 8	Operator fader 1 to 8	
	Level	Level	string	0 to 100	Level	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.12 Operator Fader Level Acquisition Request

After receiving the Operator Fader Level Acquisition Request, the ATDM-1012 sends the fader level to the host via Answer.

(1) Get Command

The command format of the Operator Fader Level Acquisition Request from the host is shown below.

GOPL_O_0000_00_NC_8,8_↵

Table 4-18 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GOPL		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
	Operator Page No	Operator page number	string	1 to 8	Operator page 1 to 8	
	Operator Fader No	Operator fader number	string	1 to 8	Operator fader 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

GOPL_0000_00_NC_8,8,100_↵

Table 4-19 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GOPL		
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Operator Page No	Operator page number	string	1 to 8	Operator page 1 to 8	
	Operator Fader No	Operator fader number	string	1 to 8	Operator fader 1 to 8	
	Level	Level	string	0 to 100	Level	
6	End Character	Message end character	binary	0x0d	CR	

4.2.13 Operator Fader Mute State Change Request

After receiving the Operator Fader Mute State Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Operator Fader Mute State Change Request from the host is shown below.

SOPM_S_0000_00_NC_8,8,1_↓

Table 4-20 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SOPM		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Operator Page No	Operator page number	string	1 to 8	Operator page 1 to 8	
	Operator Fader No	Operator fader number	string	1 to 8	Operator fader 1 to 8	
	Mute	Mute	string	0 1	Disable Enable	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.14 Operator Fader Mute State Acquisition Request

After receiving the Operator Fader Mute State Acquisition Request, the ATDM-1012 sends the input CH Mute state to the host via Answer.

(1) Get Command

The command format of the Operator Fader Mute State Acquisition Request from the host is shown below.

GOPM_O_0000_00_NC_8,8_↓

Table 4-21 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GOPM		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
	Operator Page No	Operator page number	string	1 to 8	Operator page 1 to 8	
	Operator Fader No	Operator fader number	string	1 to 8	Operator fader 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

GOPM_0000_00_NC_8,8,1_↵

Table 4-22 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GOPM		
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Operator Page No	Operator page number	string	1 to 8	Operator page 1 to 8	
	Operator Fader No	Operator fader number	string	1 to 8	Operator fader 1 to 8	
	Mute	Mute	string	0 1	Disable Enable	
6	End Character	Message end character	binary	0x0d	CR	

4.2.15 SmartMix Mode Change Request

After receiving the SmartMix Mode Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the SmartMix Mode Change Request from the host is shown below.

SSMM_S_0000_00_NC_4,2_↵

Table 4-23 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SSMM		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Group	Group number	string	1 to 4	Group 1 to 4	
	Mode	SmartMix Mode	string	0	Off	
				1	Gate	
			2	Gain Share		
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.16 SmartMix Mode Acquisition Request

After receiving the SmartMix Mode Acquisition Request, the ATDM-1012 sends the SmartMix Mode to the host via Answer.

(1) Get Command

The command format of the SmartMix Mode Acquisition Request from the host is shown below.

GSMM_O_0000_00_NC_4_↓

Table 4-24 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GSMM		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Group	Group number	string	1 to 4	Group 1 to 4	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

GSMM_0000_00_NC_4,2_↓

Table 4-25 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	GSMM			
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter	string				
		Group	string	1 to 4	Group 1 to 4		
		Mode	SmartMix Mode	string	0	Off	
					1	Gate	
2	Gain Share						
6	End Character	Message end character	binary	0x0d	CR		

4.2.17 No. of Open Mic Change Request

After receiving the No. of Open Mic Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the No. of Open Mic Change Request from the host is shown below.

NOOM_S_0000_00_NC_4,10_↓

Table 4-26 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	NOOM		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Group	Group number	string	1 to 4	Group 1 to 4	
	NOM	No. of open mic	string	1 to 10	No. of open mic	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.18 No. of Open Mic Acquisition Request

After receiving the No. of Open Mic Acquisition Request, the ATDM-1012 sends the input CH Mute state to the host via Answer.

(1) Get Command

The command format of the No. of Open Mic Acquisition Request from the host is shown below.

GNOOM **_** **O** **_** **0000** **_** **00** **_** **NC** **_** **4** **_** **↵**

Table 4-27 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GSMM		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Group	Group number	string	1 to 4	Group 1 to 4	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

GNOOM_0000_00_NC_4,10_↵

Table 4-28 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GNOOM		
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string			
	Group	Group number	string	1 to 4	Group 1 to 4	
	NOM	No. of open mic	string	1 to 10	No. of open mic	
6	End Character	Message end character	binary	0x0d	CR	

4.2.19Preset Call Request

After receiving the Preset Call Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Preset Call Request from the host is shown below.

CALLP _S_0000 _00 _NC_8_↵

Table 4-29 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	CALLP		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 8	Bank 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.20Preset Save Request

After receiving the Preset Save Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Preset Save Request from the host is shown below.

REGIP _S_0000 _00_ NC_8_↵

Table 4-30 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	REGIP		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 8	Bank 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.21 Partial Preset Call Request

After receiving the Partial Preset Call Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Partial Preset Call Request from the host is shown below.

CALLPP _S_0000 _00 _NC_40 _↵

Table 4-31 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	CALLPP		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Partial Preset Number	Partial preset number	string	1 to 40	Partial preset number	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.22 Device ID Change Request

After receiving the Device ID Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Device ID Change Request from the host is shown below.

SDID_S_0000_00_NC_03E7_↓

Table 4-32 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SDID		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Device ID	Device ID	string	0000 to 03E7 or 0 to 999	Device ID	Depends on SFID command setting
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.2.23 Device ID Acquisition Request

After receiving the Device ID Acquisition Request, the ATDM-1012 sends the Device ID Acquisition Request to the host via Answer.

(1) Get Command

The command format of the Device ID Acquisition Request from the host is shown below

GDID _ O _ 0000 _ 00 _ NC _ ↵

Table 4-33 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	GDID		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

GDID_0000_00_NC_03E7_↓

Table 4-34 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_deviceid		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Device ID	Device ID	string	0000 to 03E7 or 0 to 999	Device ID	Depends on SFID command setting
6	End Character	Message end character	binary	0x0d	CR	

4.2.24 Device ID Format Setting Request⁹

After receiving the Device ID Format Setting Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Device ID Format Setting Request from the host is shown below.

SFID_S_0000_00_NC_1_↵

Table 4-35 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	SFID		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Format	Device ID format	string	0 1	Hexadecimal number Decimal number	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

⁹ Before sending 4.2.22 Device ID Change Request or 4.2.23 Device ID Acquisition Request command, format must be specified.

4.3 Input Command Details

4.3.1 Input Gain&Level Setting Change Request

After receiving the Input Gain&Level Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Input Gain&Level Setting Change Request from the host is shown below.

s_input_gain_level_S_0000_00_NC_11,40,40,511,1,511,1,40,1,0

Table 4-36 Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	s_input_gain_level			
2	HandShake Select	Sequence execution system	string	S			
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.		
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.		
5	Continue Select	Divided message system	string	NC	No divided message		
6	Parameter	Parameter					
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10		
				10	Input ST1		
				11	Input ST2		
				12 to 19	Sub Input Channel 1 to 8		
	gain						Sub Input is outside of the target
	Mic	Mic gain	string	0 to 40	+20 dB to +60 dB	See 6.5 Input Gain Table.	
	Line	Line gain	string	0 to 40	-20 dBu to -60 dBu	See 6.5 Input Gain Table.	
	Level	Level	String	0 to 511	-120 dB to +10 dB	See 6.1 Fader Table.	
	Max Volume						
	Enable	On/Off	string	0	Off		
				1	On		
	Value	Volume	string	0 to 511	-120 dB to +10 dB	See 6.1 Fader Table.	

No	item	Description	type	value	value description	remarks	
	Mute	Mute	string	0	Disable		
				1	Enable		
	gain						Sub Input is outside of the target
		Virtual Mic	Virtual Mic gain	string	0 to 40	-20 dBu to -60 dBu	
	Min Volume						
		Enable	On/Off	string	0	Off	
					1	On	
Value	Volume	string	0 to 511	-120 dB to +10 dB	See 6.1 Fader Table.		
7	End Character	Message end character	binary	0x0d	CR		

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.2 Input Gain&Level Setting Acquisition Request

After receiving the Input Gain&Level Setting Acquisition Request, the ATDM-1012 sends the input settings to the host via Answer.

(1) Get Command

The command format of the Input Gain&Level Setting Acquisition Request from the host is shown below.

g_input_gain_level_O_0000_00_NC_11_↵

Table 4-37 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_input_gain_level		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Input Channel Select	Parameter Input channel select	string			
				0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
				12 to 19	Sub Input Channel 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_input_gain_level_0000_00_NC_11,40,40,511,1,511,1,40,0,511

Table 4-38 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_input_gain_level		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
				12 to 19	Sub Input Channel 1 to 8	
	gain					Sub Input is outside of the target
	Mic	Mic gain	string	0 to 40	+20 dB to +60 dB	See 6.5 Input Gain Table.
	Line	Line gain	string	0 to 40	-20 dBu to -60 dBu	See 6.5 Input Gain Table.
	Level	Level	string	0 to 511	-120 dB to +10 dB	See 6.1 Fader Table.
	Max Volume					
	Enable	On/Off	string	0	Off	
				1	On	
	Value	Volume	string	0 to 511	-120 dB to +10 dB	See 6.1 Fader Table.
	Mute	Mute	string	0	Disable	

No	item	Description	type	value	value description	remarks
				1	Enable	
	gain					Sub Input is outside of the target
	Virtual Mic	Virtual Mic gain	string	0 to 40	-20 dBu to -60 dBu	See 6.5 Input Gain Table.
	Min Volume					
	Enable	On/Off	string	0	Off	
				1	On	
	Value	Volume	string	0 to 511	-120 dB to +10 dB	See 6.1 Fader Table.
6	End Character	Message end character	binary	0x0d	CR	

4.3.3 Input Channel Setting Change Request

After receiving the Input Channel Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Input Channel Setting Change Request from the host is shown below.

```
s_input_channel_settings_S_0000_00_NC_11,7,1,1,1,1,1,0,,,,,,,,,"ST2",7,330,45,2
,,10,4,0,,,,↵
```

Table 4-39 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_input_channel_settings		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	string	0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
	source	Input source	string	0	Mic	
				1	Line +4 dBu	
				2	Line 0 dBV	
				3	Line -10 dBV	
				4	Line -20 dBV	
				5	USB	
				6	Virtual Mic 1	
7	Virtual Mic 2					

No	item	Description	type	value	value description	remarks
				8	A-T LINK	
				10	A-T LINK MIX (port A)	
				11	A-T LINK MIX (port B)	
	Phantom power	Phantom power	String	0	Off	
				1	On	
	Phase	Phase	string	0	Normal	
				1	Invert	
	Low cut	Low cut	string	0	Off	
				1	On	
	AEC	AEC	string	0	Off	
				1	On	
	Smart Mix	Smart Mix	string	0	Off	
				1	On	
	Link	Link	string	0	Unlink	
				1	Link	
	(Reserve)					
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	Fixed to '0'
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	Fixed to '0'
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	Fixed to '0'
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	Fixed to '0'
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	Fixed to '0'
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	Fixed to '0'
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	Fixed to '0'
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	Fixed to '0'
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	Fixed to '0'
	Name	Channel name	char	"	Beginning of character string	
			string	ASCII code		Name

No	item	Description	type	value	value description	remarks
			char	"	End of character string	
	Color	Channel color	string	0	Green	
				1	Yellow	
				2	Brown	
				3	Red	
				4	Pink	
				5	Blue	
				6	Gray	
				7	DarkGray	
	Virtual Mic					
	Orientation	Orientation	string	0 to 330	0 degrees to 330 degrees	Set by a unit of 30 degrees
	Tilt	Tilt	string	0	0degree	
				45	45degree	
	Pattern	Pattern	string	0	Wide	
				1	Normal	
				2	Omni	
	(Reserve)	(Reserve)	string	0	(Reserve)	Fixed to '0'
	Fader Group	Fader Group	string	0	None	
				1	Group A	
				2	Group B	
				3	Group C	
				4	Group D	
				5	Group E	
				6	Group F	
				7	Group G	
				8	Group H	
	Smart Mix Group	Smart Mix Group	string	1 to 4	SmartMix Group 1 to 4	
	Mono	Mono	string	0	Off	Input ST1/ST2 only
				1	On	
	A-T LINK					
	Unit Type	Unit type of A-T LINK device	string	1 to FF		When source is 8 Required
	A-T LINK ID	ID of A-T LINK device	string	1 to 255		

No	item	Description	type	value	value description	remarks
	channel	Channel of A-T LINK device	string	1 to 255		
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.4 Input Channel Setting Acquisition Request

After receiving the Input Channel Setting Acquisition Request, the ATDM-1012 sends the input settings to the host via Answer.

(1) Get Command

The command format of the Input Channel Setting Acquisition Request from the host is shown below.

g_input_channel_settings_0_0000_00_NC_11_↵

Table 4-40 Command Format

No	item	Description	type	value	value description	Remarks
1	Command	Command string	string	g_input_channel_settings		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Input Channel Select	Parameter Input channel select	string	0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

**g_input_channel_settings_0000_00_NC_11,7,1,1,1,1,1,0,,,,,,,,,,,,,"ST2",7,330,45,2,,1
0,4,0_↵**

Table 4-41 Answer Command Format

No	item	Description	type	Value	value description	Remarks	
1	Command	Command string	string	g_input_channel_settings			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter					
				Input Channel Select	Input channel select	string	0 to 9
					10	Input ST1	
					11	Input ST2	
	source	Input source	string	0	Mic		
				1	Line +4 dBu		
				2	Line 0 dBV		
				3	Line -10 dBV		
				4	Line -20 dBV		
				5	USB		
				6	Virtual Mic 1		
				7	Virtual Mic 2		
				8	A-T LINK		
				10	A-T LINK MIX (port A)		
				11	A-T LINK MIX (port B)		
	Phantom power	Phantom power	string	0	Off		
				1	On		
	Phase	Phase	string	0	Normal		
				1	Invert		
	Low cut	Low cut	string	0	Off		
				1	On		
	AEC	AEC	string	0	Off		
				1	On		
	Smart Mix	Smart Mix	string	0	Off		
				1	On		

No	item	Description	type	Value	value description	Remarks
	Link	Link	string	0	Unlink	
				1	Link	
	(Reserve)					
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
		<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	Name	Channel name	char	“	Beginning of character string	
			string	ASCII code	Name	To contain double quotation marks (“), specify them in succession like ““.”
			char	“	End of character string	
	Color	Channel color	string	0	Green	
				1	Yellow	
				2	Brown	
				3	Red	
				4	Pink	
				5	Blue	
				6	Gray	
				7	DarkGray	
	Virtual Mic					
	Orientation	Orientation	string	0 to 330	0 degrees to 330 degrees	Set by a unit of 30 degrees

No	item	Description	type	Value	value description	Remarks
	Tilt	Tilt	string	0	0degree	
				45	45degree	
	Pattern	Pattern	string	0	Wide	
				1	Normal	
				2	Omni	
	(Reserve)	(Reserve)	string	0	(Reserve)	Fixed to '0'
	Fader Group	Fader Group	string	0	None	
				1	Group A	
				2	Group B	
				3	Group C	
				4	Group D	
				5	Group E	
				6	Group F	
				7	Group G	
8				Group H		
Smart Mix Group	Smart Mix Group	string	1 to 4	SmartMix Group 1 to 4		
Mono	Mono	string	0	Off		
			1	On		
6	End Character	Message end character	binary	0x0d	CR	

4.3.5 Input Channel Setting Acquisition Request 2

After receiving the Input Channel Setting Acquisition Request 2, the ATDM-1012 sends the input settings to the host via Answer.

(1) Get Command

The command format of the Input Channel Setting Acquisition Request 2 from the host is shown below.

g_input_channel_settings2_O_0000_00_NC_11_↵

Table 4-42 Command Format

No	item	Description	type	value	value description	Remarks
1	Command	Command string	string	g_input_channel_settings2		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Input Channel Select	Parameter Input channel select	string	0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

**g_input_channel_settings2_0000_00_NC_11,7,1,1,1,1,1,0,,,,,,,,,"ST2",7,330,45,2,,
10,4,0,,,,_↵**

Table 4-43 Answer Command Format

No	item	Description	type	Value	value description	Remarks
1	Command	Command string	string	g_input_channel_settings2		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
	source	Input source	string	0	Mic	
				1	Line +4 dBu	
				2	Line 0 dBV	
				3	Line -10 dBV	
				4	Line -20 dBV	
				5	USB	
				6	Virtual Mic 1	
				7	Virtual Mic 2	
				8	A-T LINK	
				10	A-T LINK MIX (port A)	
				11	A-T LINK MIX (port B)	
	Phantom power	Phantom power	string	0	Off	
				1	On	
	Phase	Phase	string	0	Normal	
				1	Invert	
	Low cut	Low cut	string	0	Off	
				1	On	
	AEC	AEC	string	0	Off	
				1	On	
	Smart Mix	Smart Mix	string	0	Off	
				1	On	
	Link	Link	string	0	Unlink	
				1	Link	

No	item	Description	type	Value	value description	Remarks
	(Reserve)					
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	Name	Channel name	char	“	Beginning of character string	
string			ASCII code	Name	To contain double quotation marks (“), specify them in succession like “”.	
char			“	End of character string		
	Color	Channel color	string	0	Green	
1				Yellow		
2				Brown		
3				Red		
4				Pink		
5				Blue		
6				Gray		
7				DarkGray		
	Virtual Mic					
	Orientation	Orientation	string	0 to 330	0 degrees to 330 degrees	Set by a unit of 30 degrees
	Tilt	Tilt	string	0	0degree	
				45	45degree	
	Pattern	Pattern	string	0	Wide	

No	item	Description	type	Value	value description	Remarks		
				1	Normal			
				2	Omni			
			(Reserve)	(Reserve)	string	0	(Reserve)	Fixed to '0'
		Fader Group	Fader Group	Fader Group	string	0	None	
						1	Group A	
						2	Group B	
						3	Group C	
						4	Group D	
						5	Group E	
						6	Group F	
						7	Group G	
			Smart Mix Group	Smart Mix Group	string	1 to 4	SmartMix Group 1 to 4	
		Mono	Mono	Mono	string	0	Off	
						1	On	
		A-T LINK						Enabled when source is 8
			Unit Type	Unit type of A-T LINK device	string	1 to FF		Required
			A-T LINK ID	ID of A-T LINK device	string	1 to 255		
	Channel	Channel of A-T LINK device	string	1 to 255				
6	End Character	Message end character	binary	0x0d	CR			

4.3.6 Sub-input Channel Setting Change Request

After receiving the Sub-input Channel Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Sub-input Channel Setting Change Request from the host is shown below.

`s_subinput_channel_settings_S_0000_00_NC_7,37,40,1,1,"SUB 8",7,8_↓`

Table 4-44 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_subinput_channel_settings		

No	item	Description	type	value	value description	remarks
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select source	Input channel select	string	0 to 7	Sub Input Channel 1 to 8	# is CH number
				0	OFF	
				1 to 10	Input #	
				11	A-T LINK	
				12	A-T LINK MIX (port A)	
				13	A-T LINK MIX (port B)	
	Input Gain	Gain	string	0 to 40	+20 dB to +60 dB	See 6.5 Input Gain Table.
	Low cut	Low cut	string	0	Off	
				1	On	
	Link	Link	string	0	Unlink	
				1	Link	
	Name	Channel name	char	“	Beginning of character string	
			string	ASCII code	Name	To contain double quotation marks (“), specify them in succession like ““”.
char			“	End of character string		
Color	Channel color	string	0	Green		
			1	Yellow		
			2	Brown		
			3	Red		

No	item	Description	type	value	value description	remarks		
				4	Pink			
				5	Blue			
				6	Gray			
				7	DarkGray			
		Fader Group	Fader Group	string	0		None	
					1		Group A	
					2		Group B	
					3		Group C	
					4		Group D	
					5		Group E	
					6		Group F	
					7		Group G	
		A-T LINK					When source is 11 Required	
		Unit Type	Unit type of A-T LINK device	string	1 to FF			
		A-T LINK ID channel	ID of A-T LINK device	string	1 to 255			
	channel	Channel of A-T LINK device	string	1 to 255				
7	End Character	Message end character	binary	0x0d	CR			

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.7 Sub-input Channel Setting Acquisition Request

After receiving the Sub-input Channel Setting Acquisition Request, the ATDM-1012 sends the input settings to the host via Answer.

(1) Get Command

The command format of the Input Channel Setting Acquisition Request from the host is shown below.

g_subinput_channel_settings_0_0000_00_NC_7_↓

Table 4-45 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_subinput_channel_settings		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 7	Sub Input Channel 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_subinput_channel_settings_0000_00_NC_7,37,40,1,1,"SUB 8",0,0

Table 4-46 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_subinput_channel_settings		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 7	Sub Input Channel 1 to 8	
	source	Input source	string	0	OFF	# is CH number
				1 to 10	Input #	
				11	A-T LINK	
				12	A-T LINK MIX (port A)	
				13	A-T LINK MIX (port B)	
	37	Bus #				
	Input Gain	Gain	string	0 to 40	+20 dB to +60 dB	See 6.5 Input Gain Table.
	Low cut	Low cut	string	0	Off	
				1	On	
	Link	Link	string	0	Unlink	
				1	Link	
Name	Channel name	char	"	Beginning of character string		
		string	ASCII code	Name	To contain double quotation marks ("), specify them in	

No	item	Description	type	value	value description	remarks
						succession like "".
			char	"	End of character string	
	Color	Channel color	string	0	Green	
				1	Yellow	
				2	Brown	
				3	Red	
				4	Pink	
				5	Blue	
				6	Gray	
				7	DarkGray	
	Fader Group	Fader Group	string	0	None	
				1	Group A	
				2	Group B	
				3	Group C	
				4	Group D	
				5	Group E	
				6	Group F	
				7	Group G	
				8	Group H	
6	End Character	Message end character	binary	0x0d	CR	

4.3.8 Sub-input Channel Setting Acquisition Request 2

After receiving the Sub-input Channel Setting Acquisition Request 2, the ATDM-1012 sends the input settings to the host via Answer.

(1) Get Command

The command format of the Sub-input Channel Setting Acquisition Request 2 from the host is shown below.

g_subinput_channel_settings2_0_0000_00_NC_7_↵

Table 4-47 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_subinput_channel_settings2		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 7	Sub Input Channel 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_subinput_channel_settings2_0000_00_NC_7,37,40,1,1,"SUB 8",0,0,,,↵

Table 4-48 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_subinput_channel_settin gs2		
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 7	Sub Input Channel 1 to 8	
	source	Input source	string	0	OFF	# is CH number
				1 to 10	Input #	
				11	A-T LINK	
				12	A-T LINK MIX (port A)	
				13	A-T LINK MIX (port B)	
				37	Bus #	
	Input Gain	Gain	string	0 to 40	+20 dB to +60 dB	See 6.5 Input Gain Table.
	Low cut	Low cut	string	0	Off	
				1	On	
	Link	Link	string	0	Unlink	
				1	Link	
	Name	Channel name	char	"	Beginning of character string	
			string	ASCII code	Name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
	Color	Channel color	string	0	Green	

No	item	Description	type	value	value description	remarks
				1	Yellow	
				2	Brown	
				3	Red	
				4	Pink	
				5	Blue	
				6	Gray	
				7	DarkGray	
	Fader Group	Fader Group	string	0	None	
				1	Group A	
				2	Group B	
				3	Group C	
				4	Group D	
				5	Group E	
				6	Group F	
				7	Group G	
				8	Group H	
	A-T LINK					Enabled when source is 11
	Unit Type	Unit type of A-T LINK device	string	1 to FF		Required
	A-T LINK ID	ID of A-T LINK device	string	1 to 255		
	Channel	Channel of A-T LINK device	string	1 to 255		
6	End Character	Message end character	binary	0x0d	CR	

4.3.9 Input Channel Bus Setting Change Request

After receiving the Input Channel Bus Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Input Channel Bus Setting Change Request from the host is shown below.

s_input_channel_bus_settings_S_0000_00_NC_19,2,411,2,411,2,411,2,411,2,411,2,411,2,411,2,411,2,411_↓

Table 4-49 Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	s_input_channel_bus_settings			
2	HandShake Select	Sequence execution system	string	S			
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .		
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .		
5	Continue Select	Divided message system	string	NC	No divided message		
6	Parameter	Parameter	string	0 to 9	Input Channel 1 to 10		
				10	Input ST1		
				11	Input ST2		
				12 to 19	Sub Input Channel 1 to 8		
	Bus 1						
	Assign	Assign	string	0	Off		
				1	Pre		
				2	Post(Smart Mix Bus)		
	Level	Level	string	0 to 411	-∞ to 0 dB	Unused for Sub Input Channel	

No	item	Description	type	value	value description	remarks
	Bus 2					Same as Bus 1
	Bus 3					Same as Bus 1
	Bus 4					Same as Bus 1
	Bus 5					Same as Bus 1
	Bus 6					Same as Bus 1
	Bus 7					Same as Bus 1
	Bus 8					Same as Bus 1
	Bus 9					Same as Bus 1
	Bus 10					Same as Bus 1
	Bus 11					Same as Bus 1
	Bus 12					Same as Bus 1
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.10 Input Channel Bus Setting Acquisition Request

After receiving the Input Channel Bus Setting Acquisition Request, the ATDM-1012 sends the input settings to the host via Answer.

(1) Get Command

The command format of the Input Channel Bus Setting Acquisition Request from the host is shown below.

g_input_channel_bus_settings_0_0000_00_NC_19_↵

Table 4-50 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_input_channel_bus_settings		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Input Channel Select	Parameter Input channel select	string	0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
				12 to 19	Sub Input Channel 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_input_channel_bus_settings_0000_00_NC_19,2,411,2,411,2,411,2,411,2,411,2,411,2,411,2,411,2,411,2,411_↓

Table 4-51 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_input_channel_bus_settings			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter	string	0 to 9	Input Channel 1 to 10		
				10	Input ST1		
				11	Input ST2		
				12 to 19	Sub Input Channel 1 to 8		
	Bus 1						
	Assign	Assign	string	0	Off		
				1	Pre		
				2	Post(Smart Mix Bus)		
	Level	Level	string	0 to 411	-∞ to 0 dB	Unused for Sub Input Channel	
	Bus 2						Same as Bus 1
	Bus 3						Same as Bus 1
	Bus 4						Same as Bus 1
	Bus 5						Same as Bus 1

No	item	Description	type	value	value description	remarks
	Bus 6					Same as Bus 1
	Bus 7					Same as Bus 1
	Bus 8					Same as Bus 1
	Bus 9					Same as Bus 1
	Bus 10					Same as Bus 1
	Bus 11					Same as Bus 1
	Bus 12					Same as Bus 1
6	End Character	Message end character	binary	0x0d	CR	

4.3.11 Input EQ Setting Change Request

After receiving the Input EQ Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Input EQ Setting Change Request from the host is shown below.

s_input_eq_S_0000_00_NC_11,0,1,2,480,72,31,1,480,72,31,1,480,72,31,1,2,480,72,31,1_↵

Table 4-52 Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	s_input_eq			
2	HandShake Select	Sequence execution system	string	S			
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.		
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.		
5	Continue Select	Divided message system	string	NC	No divided message		
6	Parameter	Parameter					
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10		
				10	Input ST1		
				11	Input ST2		
	EQ On/Off	On/Off for whole EQ CH	string	0	Off		
				1	On		
	Band1						
	Band Enable	Enable	string	0	Off		
				1	On		
	Filter Type	Filter type	string	0	LPF/HPF		
				1	LSH/HSH		
				2	PEQ		
Frequency	Frequency	string	0 to 480	20 Hz to 20 kHz	See 6.2 Frequency		

No	item	Description	type	value	value description	remarks
						Table.
	Gain	Gain	string	0 to 72	-18 dB to +18 dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band2					
	Band Enable	Enable	string	0	Off	
				1	On	
	Frequency	Frequency	string	0 to 480	20 Hz to 20 kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18 dB to +18 dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band3					
	Same as Band 2					
	Band4					
	Same as Band 1					
	EQ Mode	EQ mode	string	0	Easy Mode	
				1	Expert Mode	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.12 Input EQ Setting Acquisition Request

After receiving the Input EQ Setting Acquisition Request, the ATDM-1012 sends the input settings to the host via Answer.

(1) Get Command

The command format of the Input EQ Setting Acquisition Request from the host is shown below.

g_input_eq_0_0000_00_NC_0_↵

Table 4-53 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_input_eq		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Input Channel Select	Parameter Input channel select	string	0 to 9	Input Channel 1 to 10	
				10	Input ST1	
				11	Input ST2	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_input_eq_0000_00_NC_11,0,1,2,480,72,31,1,480,72,31,1,480,72,31,1,2,480,72,31,1_↓

Table 4-54 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_input_eq			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter					
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10		
				10	Input ST1		
				11	Input ST2		
	EQ On/Off	On/Off for whole EQ CH	string	0	Off		
				1	On		
	Band1						
	Band Enable	Enable	string	0	Off		
				1	On		
	Filter Type	Filter type	string	0	LPF/HPF		
				1	LSH/HSH		
				2	PEQ		
	Frequency	Frequency	string	0 to 480	20 Hz to 20 kHz	See 6.2 Frequency Table.	
	Gain	Gain	string	0 to 72	-18 dB to +18 dB	See 6.4 EQ Gain Table.	
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.	
	Band2						
	Band Enable	Enable	string	0	Off		
				1	On		
	Frequency	Frequency	string	0 to 480	20 Hz to 20 kHz	See 6.2 Frequency	

No	item	Description	type	value	value description	remarks
						Table.
	Gain	Gain	string	0 to 72	-18 dB to +18 dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
	Band3					Same as Band 2
	Band4					Same as Band 1
	EQ Mode	EQ mode	string	0	Easy Mode	
				1	Expert Mode	
6	End Character	Message end character	binary	0x0d	CR	

4.3.13 FBS Common Setting Change Request

After receiving the FBS Common Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the FBS Common Setting Change Request from the host is shown below.

s_fbs_general_S_0000_00_NC_2,1

Table 4-55 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_fbs_general		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Detection	Detection speed	string	0	Low
					1	Mid
					2	High
		Response	Response	string	0	slow
					1	fast
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.14 FBS Common Setting Acquisition Request

After receiving the FBS Common Setting Acquisition Request, the ATDM-1012 sends the FBS common settings to the host via Answer.

(1) Get Command

The command format of the FBS Common Setting Acquisition Request from the host is shown below.

g_fbs_general_O_0000_00_NC_↵

Table 4-56 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_fbs_general		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_fbs_general_0000_00_NC_2,1_↵

Table 4-57 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_fbs_general		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string	0	Low	
				1	Mid	
	2	High				
	Response	Response	string	0	slow	
			1	fast		
6	End Character	Message end character	binary	0x0d	CR	

4.3.15 FBS Setting Change Request

After receiving the FBS Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the FBS Setting Change Request from the host is shown below.

s_fbs_S_0000_00_NC_21,3,1,1,1,1,1,1,1,1,1_↵

Table 4-58 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_fbs		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See <u>Table 2-3</u> .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-3</u> .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Channel Select	Channel select	string	0 to 9	Input Channel 1 to 10	
				12 to 19	Output Channel 1 to 8	
				20	Output ST1	
				21	Output ST2	
	Processing Type	Processing type	string	0	Reset	
				1	All Static	
				2	Copy to EQ	Only Output Channel
				3	Band Setting	
	Enable	Enable/Disable	string	0	Off	
				1	On	
	Band1	Static select	string	0	Off	
				1	On(static)	
	Band2					Same as Band 1
	Band3					Same as Band 1
	Band4					Same as Band 1
	Band5					Same as Band 1
Band6					Same as Band 1	
Band7					Same as Band 1	

No	item	Description	type	value	value description	remarks
	Band8					Same as Band 1
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.16 FBS Setting Acquisition Request

After receiving the FBS Setting Acquisition Request, the ATDM-1012 sends the FBS settings to the host via Answer.

(1) Get Command

The command format of the FBS Setting Acquisition Request from the host is shown below.

g_fbs_O_0000_00_NC_21_↵

Table 4-59 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_fbs		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Channel Select	Parameter Channel select	string	0 to 9	Input Channel 1 to 10	
				12 to 19	Output Channel 1 to 8	
				20	Output ST1	
				21	Output ST2	
7	End Character	Message end character	binary	0x0d	CR	

No	item	Description	type	value	value description	remarks
	Band2					Same as Band 1
	Band3					Same as Band 1
	Band4					Same as Band 1
	Band5					Same as Band 1
	Band6					Same as Band 1
	Band7					Same as Band 1
	Band8					Same as Band 1
6	End Character	Message end character	binary	0x0d	CR	

4.3.17 Input Channel Dynamics Setting Change Request

After receiving the Input Channel Dynamics Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Input Channel Dynamics Setting Change Request from the host is shown below.

**s_input_channel_comp_settings_S_0000_00_NC_0,1,1,60,5,10000,2000,20,2,480,
72,31,2,480,72,31,1_↵**

Table 4-61 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_input_channel_comp_setting s		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10	
	Enalbe	Compressor permission	string	0	Off	
				1	On	
	Comp/DeEsser		string	0	Comp	
				1	DeEsser	
Compressor						

No	item	Description	type	value	value description	remarks	
		Threshold	Compressor attenuation	string	0 to 60	-60 dB to 0 dB	
		Ratio	Tilt of a waveform	string	0	1:1.4	
					1	1:2	
					2	1:4	
					3	1:6	
					4	1:10	
					5	+∞	
		Attack Time	Attack time	string	0	0 msec	
					25	0.25 msec	
					50	0.5 msec	
					100	1 msec	
					200	2 msec	
					400	4 msec	
					800	8 msec	
					1600	16 msec	
					3200	32 msec	
					10000	100 msec	
		Release Time	Release time	string	50,100,200,400,800,1000,2000	50 to 2000 msec	
		Output Gain	Gain	string	0 to 20	10 dB to -10 dB	
DeEssor							
Band1							
		Filter Type	Filter type	string	0	LPF/HPF	
					1	LSH/HSB	
					2	PEQ	
		Frequency	Frequency	string	0 to 480	20 Hz to 20 kHz	See 6.2 Frequency

No	item	Description	type	value	value description	remarks
						Table.
		Gain	string	0 to 72	-18 dB to +18 dB	See 6.4 EQ Gain Table.
		Q Value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
		Band2				Same as Band 1
		Side Chain	string	0	Off	
				1	On	
		Low cut	string	0	Off	
				1	On	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.18 Input Channel Dynamics Setting Acquisition Request

After receiving the Input Channel Dynamics Setting Acquisition Request, the ATDM-1012 sends the output settings to the host via Answer.

(1) Get Command

The command format of the Input Channel Dynamics Setting Acquisition Request from the host is shown below.

g_input_channel_comp_settings_0_0000_00_NC_0_

Table 4-62 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_input_channel_comp_settings		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model	string	00 to FF	See Table 2-3.	

No	item	Description	type	value	value description	remarks
		number/category number				
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_input_channel_comp_settings_0000_00_NC_0,1,1,60,5,10000,2000,20,2,480,72,31,2,480,72,31,1_↓

Table 4-63 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_input_channel_comp_settings			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter					
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10		
	Enalbe	Compressor permission	string	0	Off		
				1	On		
	Comp/DeEsser		string	0	Comp		
				1	DeEsser		
	Compressor						
	Threshold	Compressor attenuation	string	0 to 60	-60 dB to 0 dB		
	Ratio	Tilt of a waveform	string	0	1:1.4		
1				1:2			

No	item	Description	type	value	value description	remarks
				2	1:4	
				3	1:6	
				4	1:10	
				5	+∞	
	Attack Time	Attack time	string	0	0 msec	
				25	0.25 msec	
				50	0.5 msec	
				100	1 msec	
				200	2 msec	
				400	4 msec	
				800	8 msec	
				1600	16 msec	
				3200	32 msec	
				10000	100 msec	
	Release Time	Release time	string	50,100,200,400,800,1000,2000	50 to 2000 msec	
	Output Gain	Gain	string	0 to 20	10 dB to -10 dB	
DeEssor						
Band1						
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSB	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20 Hz to 20 kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18 dB to +18 dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
Band2						Same as Band 1

No	item	Description	type	value	value description	remarks
		Side Chain	string	0	Off	
				1	On	
		Low cut	string	0	Off	
				1	On	
6	End Character	Message end character	binary	0x0d	CR	

4.3.19AEC Setting Change Request

After receiving the AEC Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the AEC Setting Change Request from the host is shown below.

s_aec_general_S_0000_00_NC_2,22,,1,,12,100,100,1,1,↓

Table 4-64 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_aec_general		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Mode	AEC Mode	string	0	Off	
				1	AEC	
				2	Noise Canceling	
	AEC Reference	AEC Reference	string	5	Input Channel 6	
				9	Input Channel 10	
				10	Input ST1	
				11	Input ST2	
				12 to 19	Output Channel 1 to 8	
				20	Output ST1	
				21	Output ST2	
				22	External	
	(Reserve)	(Reserve)	string	0	(Reserve)	
	Send Reference	Send Reference	string	0	Off	
1				On		

No	item	Description	type	value	value description	remarks
	(Reserve)	(Reserve)	string	0	(Reserve)	
	Bus Select	Bus Select	string	1 to 12	Bus 1 to 12	
	Noise Canceling Attenuation Level					
	AEC	Attenuation level (AEC Mode)	string	0 to 100	0 dB to 100 dB	
	Noise Canceling	Attenuation level (Noise Canceling Mode)	string	0 to 100	0 dB to 100 dB	
	Non Linear Processing					
	Enable	Non-linear Processing permission	string	0	Off	
				1	On	
	Sensitivity	Non Linear Processing Sensitivity	string	0	Low	
				1	Mid	
				2	High	
	(Reserve)	(Reserve)	string	0	(Reserve)	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.20AEC Setting Acquisition Request

After receiving the AEC Setting Acquisition Request, the ATDM-1012 sends the AEC settings to the host via Answer.

(1) Get Command

The command format of the AEC Setting Acquisition Request from the host is shown below.

g_aec_general_O_0000_00_NC_↓

Table 4-65 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_aec_general		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_aec_general_0000_00_NC_2,22,,1,,12,100,100,1,1,

Table 4-66 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_aec_general			
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter					
	Mode	AEC Mode	string	0 1 2	Off AEC Noise Canceling		
	AEC Reference	AEC Reference	string	5	Input Channel 6		
				9	Input Channel 10		
				10	Input ST1		
				11	Input ST2		
				12 to 19	Output Channel 1 to 8		
				20	Output ST1		
				21	Output ST2		
				22	External		
	(Reserve)	(Reserve)	string	0	(Reserve)		
	Send Reference	Send Reference	string	0	Off		
				1	On		
	(Reserve)	(Reserve)	string	0	(Reserve)		
	Bus Select	Bus Select	string	1 to 12	Bus 1 to 12		
	Noise Canceling Attenuation Level						
		AEC	Attenuation level (AEC Mode)	string	0 to 100	0 dB to 100 dB	
		Noise Canceling	Attenuation level (Noise Canceling Mode)	string	0 to 100	0 dB to 100 dB	
	Non Linear Processing						

No	item	Description	type	value	value description	remarks
	Enable	Non-linear Processing permission	string	0	Off	
				1	On	
	Sensitivity	Non Linear Processing Sensitivity	string	0	Low	
				1	Mid	
				2	High	
(Reserve)	(Reserve)	string	0	(Reserve)		
6	End Character	Message end character	binary	0x0d	CR	

4.3.21 Smart Mix Setting Change Request

After receiving the Smart Mix Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Smart Mix Setting Change Request from the host is shown below.

s_smart_mix_S_0000_00_NC_9,4,60,1,1,60,20

Table 4-67 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_smart_mix		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10	
	Smart Mix Group	Smart Mix Group	string	1 to 4	SmartMix Group 1 to 4	
	GainShare					
	Weight	Weight of GainShare	string	0 to 60	-15.0, -14.5 to +15.0	
	Gate					
	Priority	Priority	string	0 1	Off On	
	Can Cut	Cut	string	0 1	Off On	
	Off Attenuation of closed mic	Off attenuation of mic	string	0 to 60	-60 dB to 0 dB	
	Threshold	Attenuation	string	0 to 20	-10 dB to 10 dB	
	7	End Character	Message end character	binary	0x0d	CR

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.22 Smart Mix Setting Acquisition Request

After receiving the Smart Mix Setting Acquisition Request, the ATDM-1012 sends the input settings to the host via Answer.

(1) Get Command

The command format of the Smart Mix Setting Acquisition Request from the host is shown below.

g_smart_mix_0_0000_00_NC_9_↵

Table 4-68 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_smart_mix		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_smart_mix_0000_00_NC_9,4,60,1,1,60,20_

Table 4-69 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_smart_mix		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10	
	Smart Mix Group	Smart Mix Group	string	1 to 4	SmartMix Group 1 to 4	
	GainShare					
	Weight	Weight of GainShare	string	0 to 60	-15.0 to +15.0	0.5 step
	Gate					
	Priority	Priority	string	0 1	Off On	
	Can Cut	Cut	string	0 1	Off On	
	Off Atenuation of closed mic	Off attenuation of mic	string	0 to 60	-60 dB to 0 dB	
	Threshold	Attenuation	string	0 to 20	-10 dB to 10 dB	
	6	End Character	Message end character	binary	0x0d	CR

4.3.23 Smart Mix Common Setting Change Request

After receiving the Smart Mix Common Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Smart Mix Common Setting Change Request from the host is shown below.

s_smart_mix_general_S_0000_00_NC_2,1,10000,1,10,1,1,80,4_↵

Table 4-70 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_smart_mix_general		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Mode	Smart Mix mode	string	0	Off	
				1	Gate	
				2	Gain Share	
	Last Mic On	Last Mic On	string	0	Off	
				1	On	
	Gate Hold Time	Gate Hold Time	string	100,200,300,400,500,1000,1500,2000,2500,3000,3500,4000,4500,5000,5500,6000,6500,7000,7500,8000,8500,9000,9500,10000		
	NOMA	NOMA	string	0	Off	
				1	On	
	Num Of Open Mic	Num Of Open Mic	string	1 to 10	1 to 10mic	
Priority Mode	Priority mode	string	0	Mode 1		

No	item	Description	type	value	value description	remarks
				1	Mode 2	
	Gate Threshold					
	Enable	Gate Threshold permission	string	0	Off	
				1	On	
	Level	Level	string	0 to 80	-80 dB to 0 dB	
	Smart Mix Group	Smart Mix Group	string	1 to 4	SmartMix Group 1 to 4	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.24 Smart Mix Common Setting Acquisition Request

After receiving the Smart Mix Common Setting Acquisition Request, the ATDM-1012 sends the input settings to the host via Answer.

(1) Get Command

The command format of the Smart Mix Common Setting Acquisition Request from the host is shown below.

g_smart_mix_general_0_0000_00_NC_1_↓

Table 4-71 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_smart_mix_general		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Smart Mix Group	Smart Mix Group	string	1 to 4	SmartMix Group 1 to 4	Group 1 if omitted
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_smart_mix_general_0000_00_NC_2,1,10000,1,10,1,1,80,4_↵

Table 4-72 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_smart_mix_general		
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Mode	Smart Mix mode	string	0	Off	
				1	Gate	
				2	Gain Share	
	Last Mic On	Last Mic On	string	0	Off	
				1	On	
	Gate Hold Time	Gate Hold Time	string	100,200,300,400,500,1000,1500,2000,2500,3000,3500,4000,4500,5000,5500,6000,6500,7000,7500,8000,8500,9000,9500,10000		
	NOMA	NOMA	string	0	Off	
				1	On	
	Num Of Open Mic	Num Of Open Mic	string	1 to 10	1 to 10mic	
	Priority Mode	Priority mode	string	0	Mode 1	
				1	Mode 2	
Gate Threshold						

No	item	Description	type	value	value description	remarks
	Enable	Gate Threshold permission	string	0	Off	
				1	On	
	Level	Level	string	0 to 80	-80 dB to 0 dB	
	Smart Mix Group	Smart Mix Group	string	1 to 4	SmartMix Group 1 to 4	
6	End Character	Message end character	binary	0x0d	CR	

4.3.25 Ducker Setting Change Request

After receiving the Ducker Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Ducker Setting Change Request from the host is shown below.

s_ducker_general_S_0000_00_NC_1,4,1,4,1,4,1,4_↓

Table 4-73 Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	s_ducker_general			
2	HandShake Select	Sequence execution system	string	S			
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.		
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.		
5	Continue Select	Divided message system	string	NC	No divided message		
6	Parameter	Parameter					
	ST1						
	Enable	Ducker permission	string	0 1	Off On		
	Trigger			string	1	Bus1	
					2	Bus2	
					3	Bus3	
					4	Bus4	
	ST2					Same as ST1	
	SUB1/2					Same as ST1	
	SUB3/4					Same as ST1	
7	End Character	Message end character	binary	0x0d	CR		

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.26 Ducker Setting Acquisition Request

After receiving the Ducker Setting Acquisition Request, the ATDM-1012 sends the log settings to the host via Answer.

(1) Get Command

The command format of the Ducker Setting Acquisition Request from the host is shown below.

g_ducker_general_O_0000_00_NC_↓

Table 4-74 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_ducker_general		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_ducker_general_0000_00_NC_1,4,1,4,1,4,1,4_↓

Table 4-75 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_ducker_general			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter					
	ST1						
	Enable	Ducker permission	string	0	Off		
				1	On		
	Trigger			string	1	Bus1	
					2	Bus2	
					3	Bus3	
					4	Bus4	
	ST2						Same as ST1
	SUB1/2						Same as ST1
SUB3/4						Same as ST1	
6	End Character	Message end character	binary	0x0d	CR		

4.3.27 Matrix Bus Common Setting Change Request

After receiving the Matrix Bus Common Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Matrix Bus Common Setting Change Request from the host is shown below.

s_matrix_general_S_0000_00_NC_1,1,1,1

Table 4-76 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_matrix_gener al		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bus 5/6					
	Link	Link	string	0 1	Unlink Link	
	Bus 7/8					Same as Bus 5/6
	Bus 9/10					Same as Bus 5/6
	Bus 11/12					Same as Bus 5/6
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.28 Matrix Bus Common Setting Acquisition Request

After receiving the Matrix Bus Common Setting Acquisition Request, the ATDM-1012 sends the log settings to the host via Answer.

(1) Get Command

The command format of the Matrix Bus Common Setting Acquisition Request from the host is shown below.

g_matrix_general_0_0000_00_NC_↵

Table 4-77 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_matrix_gener al		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See <u>Table 2-3</u> .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-3</u> .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_matrix_general_0000_00_NC_1,1,1,1_↓

Table 4-78 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_matrix_general			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter					
	Bus 5/6						
	Link	Link	string	0	Unlink		
				1	Link		
	Bus 7/8						Same as Bus 5/6
	Bus 9/10						Same as Bus 5/6
Bus 11/12						Same as Bus 5/6	
6	End Character	Message end character	binary	0x0d	CR		

4.3.29 Matrix Bus Name Change Request

After receiving the Matrix Bus Name Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Matrix Bus Name Change Request from the host is shown below.

`s_name_bus_S_0000_00_NC_1,"bus 1"↵`

Table 4-79 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_name_bus		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bus Number	Bus number	string	1 to 12	Bus 1 to 12	
	Name	Bus name	char	"	Beginning of character string	
			string	ASCII code	Bus name	To contain double quotation marks ("), specify them in succession like "".
char			"	End of character string		
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.3.30 Matrix Bus Name Acquisition Request

After receiving the Matrix Bus Name Acquisition Request, the ATDM-1012 sends the Preset Bank Name Acquisition Request to the host via Answer.

(1) Get Command

The command format of the Matrix Bus Name Acquisition Request from the host is shown below.

g_name_bus_O_0000_00_NC_12_↵

Table 4-80 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_name_bus		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bus Number	Bus number	string	1 to 12	Bus 1 to 12	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_name_bus_0000_00_NC_12,"bus 12ss"

Table 4-81 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_name_bus		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Bus Number	Bus number	string	1 to 12	Bus 1 to 12	
	Name	Bus name	char	"	Beginning of character string	
			string	ASCII code	Bus name	To contain double quotation marks ("), specify them in succession like "".
		char	"	End of character string		
6	End Character	Message end character	binary	0x0d	CR	

4.4 Output Command Details

4.4.1 Output Level Setting Change Request

After receiving the Output Level Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Output Level Setting Change Request from the host is shown below.

s_output_level_S_0000_00_NC_9,511,1,511,0,511_↓

Table 4-82 Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	s_output_level			
2	HandShake Select	Sequence execution system	string	S			
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .		
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .		
5	Continue Select	Divided message system	string	NC	No divided message		
6	Parameter	Parameter					
	Output Channel Select	Output channel select	string	0 to 7	Output Channel 1 to 8		
				8	Output ST1		
				9	Output ST2		
	Level	Level	string	0 to 511	-120 dB to +10 dB	See 6.1 Fader Table.	
	Max Volume						
	Enable	On/Off	string	0	Off		
				1	On		
	Value	Volume	string	0 to 511	-120 dB to +10 dB	See 6.1 Fader Table.	
	Min Volume						
	Enable	On/Off	string	0	Off		
				1	On		
	Value	Volume	string	0 to 511	-120 dB to +10 dB	See 6.1 Fader	

No	item	Description	type	value	value description	remarks
						Table.
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.2 Output Level Setting Acquisition Request

After receiving the Output Level Setting Acquisition Request, the ATDM-1012 sends the output settings to the host via Answer.

(1) Get Command

The command format of the Output Level Setting Acquisition Request from the host is shown below.

g_output_level_O_0000_00_NC_9_↵

Table 4-83 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_output_level		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Output Channel Select	Parameter Output channel select	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_output_level_0000_00_NC_9,511,1,511,0,511_

Table 4-84 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_output_level			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter					
	Output Channel Select	Output channel select	string	0 to 7	Output Channel 1 to 8		
				8	Output ST1		
				9	Output ST2		
	Level	Level	string	0 to 511	-120 dB to +10 dB	See 6.1 Fader Table.	
	Max Volume						
	Enable	On/Off	string	0	Off		
				1	On		
	Value	Volume	string	0 to 511	-120 dB to +10 dB	See 6.1 Fader Table.	
	Min Volume						
	Enable	On/Off	string	0	Off		
				1	On		
	Value	Volume	string	0 to 511	-120 dB to +10 dB	See 6.1 Fader Table.	
	6	End Character	Message end character	binary	0x0d	CR	

4.4.3 Output Channel Mute Setting Change Request

After receiving the Output Channel Mute Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Output Channel Mute Setting Change Request from the host is shown below.

s_output_mute_S_0000_00_NC_9,1_↵

Table 4-85 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_output_mute		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
	Mute	Mute	string	0	Disable	
				1	Enable	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.4 Output Channel Mute Setting Acquisition Request

After receiving the Output Channel Mute Setting Acquisition Request, the ATDM-1012 sends the output settings to the host via Answer.

(1) Get Command

The command format of the Output Channel Mute Setting Acquisition Request from the host is shown below.

g_output_mute_0_0000_00_NC_9_↵

Table 4-86 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_output_mute		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Output Channel Select	Parameter Output channel select	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_output_mute_0000_00_NC_9,1_↵

Table 4-87 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_output_mute		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
	Mute	Mute	string	0	Disable	
				1	Enable	
6	End Character	Message end character	binary	0x0d	CR	

4.4.5 Output Channel Setting Change Request

After receiving the Output Channel Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Output Channel Setting Change Request from the host is shown below.

`s_output_channel_settings_S_0000_00_NC_9,3,"OUT ST2",7,1,13,8_↵`

Table 4-88 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_output_channel_settings		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
	Unity	Unity	string	0	+4 dBu	Other than ST1/2
				1	0 dBv	
				2	-10 dBv	
				3	-33 dBv	Only ST1/2
	Name	Channel name	char	"	Beginning of character string	
			string	ASCII code	Name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
	Color	Channel color	string	0	Green	
				1	Yellow	
				2	Brown	

No	item	Description	type	value	value description	remarks
				3	Red	
				4	Pink	
				5	Blue	
				6	Gray	
				7	DarkGray	
	Link	Link	string	0	Unlink	
				1	Link	
	Source	Input source	string	0	OFF	
				1 to 12	Bus 1 to 12	
				13	Direct Out	
	Fader Group	Fader Group	string	0	None	
				1	Group A	
				2	Group B	
				3	Group C	
				4	Group D	
				5	Group E	
				6	Group F	
7				Group G		
8				Group H		
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.6 Output Channel Setting Acquisition Request

After receiving the Output Channel Setting Acquisition Request, the ATDM-1012 sends the output settings to the host via Answer.

(1) Get Command

The command format of the Output Channel Setting Acquisition Request from the host is shown below.

g_output_channel_settings_0_0000_00_NC_9_↓

Table 4-89 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_output_channel_settings		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
9				Output ST2		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_output_channel_settings_0000_00_NC_9,3,"OUT ST2",7,1,13,8_

Table 4-90 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_output_channel_settings		
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
	Unity	Unity	string	0	+4 dBu	Other than ST1/2
				1	0 dBv	
				2	-10 dBv	
				3	-33 dBv	Only ST1/2
	Name	Channel name	char	"	Beginning of character string	
			string	ASCII code	Name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
	Color	Channel color	string	0	Green	
				1	Yellow	

No	item	Description	type	value	value description	remarks
				2	Brown	
				3	Red	
				4	Pink	
				5	Blue	
				6	Gray	
				7	DarkGray	
				Link	Link	string
	1	Link				
	Source	Input source	string	0	OFF	
				1 to 12	Bus 1 to 12	
				13	Direct Out	
	Fader Group	Fader Group	string	0	None	
				1	Group A	
				2	Group B	
				3	Group C	
				4	Group D	
				5	Group E	
				6	Group F	
				7	Group G	
				8	Group H	
6	End Character	Message end character	binary	0x0d	CR	

No	item	Description	type	value	value description	remarks	
				2	PEQ		
	Frequency	Frequency	string	0 to 480	20 Hz to 20 kHz	See 6.2 Frequency Table.	
	Gain	Gain	string	0 to 72	-18 dB to +18 dB	See 6.4 EQ Gain Table.	
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.	
	Band2						
	Band Enable	Enable	string	0	Off		
				1	On		
	Frequency	Frequency	string	0 to 480	20 Hz to 20 kHz	See 6.2 Frequency Table.	
	Gain	Gain	string	0 to 72	-18 dB to +18 dB	See 6.4 EQ Gain Table.	
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.	
	Band3						Same as Band 2
	Band4						Same as Band 2
	Band5						Same as Band 2
	Band6						Same as Band 2
	Band7						Same as Band 2
	Band8						Same as Band 2
Band9						Same as Band 2	
Band10						Same as Band 2	
Band11						Same as Band 2	
Band12						Same as Band 1	
7	End Character	Message end character	binary	0x0d	CR		

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.8 Output EQ Setting Acquisition Request

After receiving the Output EQ Setting Acquisition Request, the ATDM-1012 sends the output settings to the host via Answer.

(1) Get Command

The command format of the Output EQ Setting Acquisition Request from the host is shown below.

g_output_eq_0_0000_00_NC_9_↵

Table 4-92 Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_output_eq		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Output Channel Select	Parameter Output channel select	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
7	End Character	Message end character	binary	0x0d	CR	

No	Item	Description	type	value	value description	remarks
				1	On	
		Frequency	string	0 to 480	20 Hz to 20 kHz	See 6.2 Frequency Table.
		Gain	string	0 to 72	-18 dB to +18 dB	See 6.4 EQ Gain Table.
		Q Value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
		Band3				Same as Band 2
		Band4				Same as Band 2
		Band5				Same as Band 2
		Band6				Same as Band 2
		Band7				Same as Band 2
		Band8				Same as Band 2
		Band9				Same as Band 2
		Band10				Same as Band 2
		Band11				Same as Band 2
		Band12				Same as Band 1
6	End Character	Message end character	binary	0x0d	CR	

4.4.9 12BandEQFunction Request

After receiving the 12BandEQFunction Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the 12BandEQFunction Request from the host is shown below.

s_output_12eq_func_S_0000_00_NC_9,3,0

Table 4-94 Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	s_output_12eq_func		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
	Processing Type	Processing type	string	0	Flat	All band gain 0
				1	Recall EQ Preset	
				2	Save EQ Preset	
				3	Reset	Reset to Default
	Preset Number	Preset EQ number	string	1 to 20	EQ library 1 to 20	When the processing type is 1, 2
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.10 FBS Setting Change Request

Same as 4.3.15 FBS Setting Change Request.

4.4.11 FBS Setting Acquisition Request

Same as 4.3.16 FBS Setting Acquisition Request.

4.4.12 Dynamics & Delay Setting Change Request

After receiving the Dynamics & Delay Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Dynamics & Delay Setting Change Request from the host is shown below.

s_dynamics_delay_S_0000_00_NC_9,1,1,1,60,5,10000,2000,20,2,480,72,31,2,480,72,31,1,1,60,1,1000_↵

Table 4-95 Command Format

No	Item	Description	Type	value	value description	remarks		
1	Command	Command string	string	s_dynamics_delay				
2	HandShake Select	Sequence execution system	string	S				
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .			
4	Unit ID /Category ID	Model number/ category number	string	00 to FF	See Table 2-3 .			
5	Continue Select	Divided message system	string	NC	No divided message			
6	Parameter	Parameter						
			Output Channel Select	Output channel select	string	0 to 7	Output Channel 1 to 8	
						8	Output ST1	
						9	Output ST2	
			Pre/Post	Pre/Post	string	0	Pre	
						1	Post	
			Enalbe	Compressor permission	string	0	Off	
						1	On	
			Comp/DeEsser	Compressor/DeEsser	string	0	Comp	
						1	DeEsser	
Compressor								

No	Item	Description	Type	value	value description	remarks	
		Threshold	Compressor attenuation	string	0 to 60	-60 dB to 0 dB	
		Ratio	Tilt of a waveform	string	0	1:1.4	
					1	1:2	
					2	1:4	
					3	1:6	
					4	1:10	
					5	+∞	
		Attack Time	Attack time	string	0	0 msec	
					25	0.25 msec	
					50	0.5 msec	
					100	1 msec	
					200	2 msec	
					400	4 msec	
					800	8 msec	
					1600	16 msec	
					3200	32 msec	
		10000	100 msec				
		Release Time	Release time	string	50,100,200,400,800,1000,2000	50 to 2000 msec	
		Output Gain	Gain	string	0 to 20	10 to -10 dB	
DeEssor							
Band1							
		Filter Type	Filter type	string	0	LPF/HPF	
					1	LSH/HSH	
					2	PEQ	
		Frequency	Frequency	string	0 to 480	20 Hz to 20 kHz	See 6.2 Frequency Table.
		Gain	Gain	string	36 to 72	0 dB to +18 dB	See 6.4 EQ Gain Table.
		Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
Band2							
Same as Band 1							
		Side Chain	Side Chain	string	0	Off	

No	Item	Description	Type	value	value description	remarks
				1	On	
	Low Cut	Low Cut	string	0	Off	
				1	On	
	Limiter					
	Enalbe	Limiter permission	string	0	Off	
				1	On	
	Threshold	Limiter attenuation amount	string	0 to 60	-60 dB to 0 dB	
	Delay					
	Enalbe	Delay permission	string	0	Off	
				1	On	
	Delay Time	Delay time	string	0 to 1000	0 to 1000 msec	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.13 Dynamics&Delay Setting Acquisition Request

After receiving the Dynamics&Delay Setting Acquisition Request, the ATDM-1012 sends the output settings to the host via Answer.

(1) Get Command

The command format of the Dynamics&Delay Setting Acquisition Request from the host is shown below.

g_dynamics_delay_0_0000_00_NC_9_↵

Table 4-96 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_dynamics_delay		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Output Channel Select	Parameter Output channel select	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_dynamics_delay_0000_00_NC_9,1,1,1,60,5,10000,2000,20,2,480,72,31,2,480,72,31,1,1,60,1,1000_↓

Table 4-97 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_dynamics_delay			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .		
3	Unit ID /Category ID	Model number/ category number	string	00 to FF	See Table 2-7 .		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter					
	Output Channel Select	Output channel select	string	0 to 7	Output Channel 1 to 8		
				8	Output ST1		
				9	Output ST2		
	Pre/Post		string	0	Pre		
				1	Post		
	Enalbe	Compressor permission	string	0	Off		
				1	On		
	Comp/DeEsser		string	0	Comp		
				1	DeEsser		
	Compressor						
		Threshold	Compressor attenuation	string	0 to 60	-60 dB to 0 dB	
		Ratio	Tilt of a waveform	string	0	1:1.4	
					1	1:2	
					2	1:4	

No	item	Description	type	value	value description	remarks
				3	1:6	
				4	1:10	
				5	+∞	
	Attack Time	Attack time	string	0	0 msec	
				25	0.25 msec	
				50	0.5 msec	
				100	1 msec	
				200	2 msec	
				400	4 msec	
				800	8 msec	
				1600	16 msec	
				3200	32 msec	
				10000	100 msec	
	Release Time	Release time	string	50,100,200,400,800,1000,2000	50 to 2000 msec	
	Output Gain	Gain	string	0 to 20	10 to -10 dB	
DeEssor						
Band1						
	Filter Type	Filter type	string	0	LPF/HPF	
				1	LSH/HSB	
				2	PEQ	
	Frequency	Frequency	string	0 to 480	20 Hz to 20 kHz	See 6.2 Frequency Table.
	Gain	Gain	string	0 to 72	-18 dB to +18 dB	See 6.4 EQ Gain Table.
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.
Band2 Same as Band 1						
	Side Chain		string	0	Off	
				1	On	
	Low cut	Low cut	string	0	Off	
				1	On	
Limiter						
	Enalbe	Limiter permission	string	0	Off	

No	item	Description	type	value	value description	remarks
				1	On	
	Threshold	Limiter attenuation amount	string	0 to 60	-60 dB to 0 dB	
	Delay					
	Enalbe	Delay permission	string	0	Off	
				1	On	
	Delay Time	Delay time	string	0 to 1000	0 to 1000 msec	
6	End Character	Message end character	binary	0x0d	CR	

4.4.14 USB Output Setting Change Request

After receiving the USB Output Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the USB Output Setting Change Request from the host is shown below.

s_usb_out_S_0000_00_NC_12,12,411_↓

Table 4-98 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_usb_out		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	USB1 Bus Select	USB1 bus	string	0	Off	
				1 to 12	Bus 1 to 12	
	USB2 Bus Select	USB2 bus	string	0	Off	
1 to 12				Bus 1 to 12		
Send Level	Output level	string	0 to 411	-120 dB to 0 dB	See 6.1 Fader Table.	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.15 USB Output Setting Acquisition Request

After receiving the USB Output Setting Acquisition Request, the ATDM-1012 sends the USB output settings to the host via Answer.

(1) Get Command

The command format of the USB Output Setting Acquisition Request from the host is shown below.

g_usb_out_O_0000_00_NC_↵

Table 4-99 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_usb_out		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_usb_out_0000_00_NC_12,12,411_↓

Table 4-100 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_usb_out		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	USB1 Bus Select	USB1 bus	string	0	Off	
				1 to 12	Bus 1 to 12	
	USB2 Bus Select	USB2 bus	string	0	Off	
1 to 12				Bus 1 to 12		
Send Level	Output level	string	0 to 411	-120 dB to 0 dB	See 6.1 Fader Table.	
6	End Character	Message end character	binary	0x0d	CR	

No	item	Description	type	value	value description	remarks
	CH6					Same as CH1
	CH7					Same as CH1
	CH8					Same as CH1
	ST1					Same as CH1
	ST2					Same as CH1
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.4.17 Oscillator Control Setting Acquisition Request

After receiving the Oscillator Control Setting Acquisition Request, the ATDM-1012 sends the USB output settings to the host via Answer.

(1) Get Command

The command format of the Oscillator Control Setting Acquisition Request from the host is shown below.

g_oscillator_0_0000_00_NC_↵

Table 4-102 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_oscillator		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(3) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_oscillator_0000_00_NC_1,1,2,121,1,1,1,1,1,1,1,1,1,1,1_

Table 4-103 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_oscillator			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter					
	Enalbe	Oscillator permission	string	0	Off		
				1	On		
	Source	Source	string	0	Sine Wave		
				1	Pink Noise		
				2	10 kHz		
	Frequency	Frequency	string	0	100 Hz		
				1	1 kHz		
				2	10 kHz		
	Level	Level	string	0 to 121	-∞, -120 dB to +10 dB	See 6.1 Fader Table.	
	CH1						
	Assign	CH assign	string	0	Off		
				1	On		
	CH2					Same as CH1	
	CH3					Same as CH1	
	CH4					Same as CH1	
	CH5					Same as CH1	
CH6					Same as CH1		
CH7					Same as CH1		

No	item	Description	type	value	value description	remarks
	CH8					Same as CH1
	ST1					Same as CH1
	ST2					Same as CH1
6	End Character	Message end character	binary	0x0d	CR	

4.5 Operator Page Command Details

4.5.1 Operator Page Common Setting Change Request

After receiving the Operator Page Common Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Operator Page Common Setting Change Request from the host is shown below.

s_operator_general_S_0000_00_NC_1,1,␣

Table 4-104 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_operator_general		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	MultiOperatorPage	Multi page use permission	string	0	Disable	
				1	Enable	
	Array Mic Button Link	Array Mic button operation linkage	string	0	Off	
1				On		
Reserved	Reserved	string			Not used	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.5.2 Operator Page Common Setting Acquisition Request

After receiving the Operator Page Common Setting Acquisition Request, the ATDM-1012 sends the Webremote Operator common settings to the host via Answer.

(1) Get Command

The command format of the Operator Page Common Setting Acquisition Request from the host is shown below.

g_operator_general_O_0000_00_NC_↓

Table 4-105 Command Format

No	Item	Description	type	value	value description	remarks
1	Command	Command string	string	g_operator_general		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_operator_general_0000_00_NC_1,1, ↵

Table 4-106 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_operator_general		
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	MultiOperatorPage	Multi page use permission	string	0	Disable	
				1	Enable	
	Array Mic Button Link	Array Mic button operation linkage	string	0	Off	
1				On		
Reserved	Reserved	string			Not used	
6	End Character	Message end character	binary	0x0d	CR	

4.5.3 Operator Page Setting Change Request

After receiving the Operator Page Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Operator Page Setting Change Request from the host is shown below.

s_operator_pagesettings_S_0000_00_NC_8,"page1",1,1,8,1,1,1,1,1_↓

Table 4-107 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_operator_pagesettings		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Page	Page number	string	1 to 8	Page 1 to 8	
	Name	Page name	char	"	Beginning of character string	
			string	ASCII code	Page name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
	Hide from List	Use when multi page permitted	string	0	Off	
				1	On	
	Recall Preset	Preset call permission	string	0	Off	
				1	On	
	Num of Preset	Preset number	string	1 to 8	Preset 1 to 8	
	Fader Position Resume	Fader value save	string	0	Off	
				1	On	
	Logout Button	Logout button	string	0	Off	

No	item	Description	type	value	value description	remarks
				1	On	
	Array Mic Button	Array Mic button	string	0	Off	
				1	On	
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	Tascam Button	Tascam button	string	0	Off	
				1	On	
	Tascam Button Layout	Tascam button layout	string	0	Layout1	
				1	Layout2	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.5.4 Operator Page Setting Acquisition Request

After receiving the Operator Page Setting Acquisition Request, the ATDM-1012 sends the Webremote Operator Page settings to the host via Answer.

(1) Get Command

The command format of the Operator Page Setting Acquisition Request from the host is shown below.

g_operator_pagesettings_O_0000_00_NC_8

Table 4-108 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_operator_pagesettings		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Page	Page number	string	1 to 8	Page 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_operator_pagesettings_0000_00_NC_8,"page1",1,1,8,1,1,1,1,1_↓

Table 4-109 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_operator_pagesettings		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Page	Page number	string	1 to 8	Page 1 to 8	
	Name	Page name	char	"	Beginning of character string	
			string	ASCII code	Page name	To contain double quotation marks ("), specify them in succession like "".
			char	"	End of character string	
	Hide from List	Use when multi page permitted	string	0	Off	
				1	On	
	Recall Preset	Preset call permission	string	0	Off	
				1	On	
	Num of Preset	Preset number	string	1 to 8	Preset 1 to 8	
	Fader Position Resume	Fader value save	string	0	Off	
				1	On	
	Logout Button	Logout button	string	0	Off	
				1	On	
	Array Mic Button	Array Mic button	string	0	Off	
			1	On		
(Reserve)	(Reserve)	string	0	(Reserve)		

No	item	Description	type	value	value description	remarks
	Tascam Button	Tascam button	string	0	Off	
				1	On	
	Tascam Button Layout	Tascam button layout	string	0	Layout1	
				1	Layout2	
6	End Character	Message end character	binary	0x0d	CR	

4.5.5 Operator Page Channel Setting Change Request

After receiving the Operator Page Channel Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Operator Page Channel Setting Change Request from the host is shown below.

s_operator_channel_S_0000_00_NC_8,8,1,"fader8-8",5,100,1,100,1,100_↓

Table 4-110 Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	s_operator_channel			
2	HandShake Select	Sequence execution system	string	S			
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.		
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.		
5	Continue Select	Divided message system	string	NC	No divided message		
6	Parameter	Parameter					
	Page	Page number	string	1 to 8	Page 1 to 8		
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8		
	Name	Fader name	char	"	Beginning of character string		
			string	ASCII code	Fader name	To contain double quotation marks ("), specify them in succession like "".	
			char	"	End of character string		
	Icon	Fader icon	string	0	Mic		
			1	Aux			
			2	PC			
			3	Chat			
			4	Spk			
	5	Rec					
	Level	Level	string	0 to 100	0 to 100	1.0step	
	Max Volume						
	Enable	On/Off	string	0	Off		
			1	On			

No	item	Description	type	value	value description	remarks
	Value	Volume	string	0 to 100	0 to 100	
	Min Volume					
	Enable	On/Off	string	0	Off	
				1	On	
	Value	Volume	string	0 to 100	0 to 100	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.5.6 Operator Page Channel Setting Acquisition Request

After receiving the Operator Page Channel Setting Acquisition Request, the ATDM-1012 sends the Webremote Operator Page Channel settings to the host via Answer.

(1) Get Command

The command format of the Operator Page Channel Setting Acquisition Request from the host is shown below.

g_operator_channel_0_0000_00_NC_8,8

Table 4-111 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_operator_channel		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Page	Page number	string	1 to 8	Page 1 to 8	
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_operator_channel_0000_00_NC_8,8,1,"fader8-8",5,100,1,100,1,100_↓

Table 4-112 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_operator_channel			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter					
	Page	Page number	string	1 to 8	Page 1 to 8		
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8		
	Name	Fader name	char	“	Beginning of character string		
			string	ASCII code	Fader name	To contain double quotation marks (“), specify them in succession like “”.	
			char	“	End of character string		
	Icon	Fader icon	string	0	Mic		
				1	Aux		
				2	PC		
				3	Chat		
				4	Spk		
	5	Rec					
	Level	Level	string	0 to 100	0 to 100	1.0step	
	Max Volume						
	Enable	On/Off	string	0	Off		
				1	On		
	Value	Volume	string	0 to 100	0 to 100		
Min Volume							
Enable	On/Off	string	0	Off			
			1	On			

No	item	Description	type	value	value description	remarks
		Value	Volume	string	0 to 100	0 to 100
6	End Character	Message end character	binary	0x0d	CR	

4.5.7 Operator Page Assign Channel Setting Change Request

After receiving the Operator Page Assign Channel Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Operator Page Assign Channel Setting Change Request from the host is shown below.

s_operator_assign_S_0000_00_NC_8,8,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1

Table 4-113 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_operator_assign		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Page	Page number	string	1 to 8	Page 1 to 8	
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8	
	Channel Type	Channel type	string	0	Input	
				1	Output	
				2	Group	
	Show Mute	Mute button use	string	0	Off	
				1	On	
	Show Fader	Fader use	string	0	Off	
				1	On	
	Ch1	Input 1/Output 1/Group A	string	0	Off	
				1	On	
	Ch2	Input 2/Output 2/Group B				Same as Ch1
	Ch3	Input 3/Output 3/Group C				Same as Ch1
	Ch4	Input 4/Output 4/Group D				Same as Ch1
	Ch5	Input 5/Output 5/Group E				Same as Ch1
Ch6	Input 6/Output 6/Group F				Same as Ch1	
Ch7	Input 7/Output 7/Group H				Same as Ch1	
Ch8	Input 8/Output 8/-				Same as Ch1	

No	item	Description	type	value	value description	remarks
	Ch9	Input 9/Output ST1/-				Same as Ch1
	Ch10	Input 10/Output ST2/-				Same as Ch1
	ST1	Input ST1/-/-				Same as Ch1
	ST2	Input ST2/-/-				Same as Ch1
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.5.8 Operator Page Assign Channel Setting Acquisition Request

After receiving the Operator Page Assign Channel Setting Acquisition Request, the ATDM-1012 sends the Webremote Operator Page Channel settings to the host via Answer.

(1) Get Command

The command format of the Operator Page Assign Channel Setting Acquisition Request from the host is shown below.

g_operator_assign_O_0000_00_NC_8,8

Table 4-114 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_operator_assign		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Page	Page number	string	1 to 8	Page 1 to 8	
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_operator_assign_0000_00_NC_8,8,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1_

Table 4-115 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_operator_assign		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Page	Page number	string	1 to 8	Page 1 to 8	
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8	
	Channel Type	Channel type	string	0	Input	
				1	Output	
				2	Group	
	Show Mute	Mute button use	string	0	Off	
				1	On	
	Show Fader	Fader use	string	0	Off	
				1	On	
	Ch1	Input 1/Output 1/Group A	string	0	Off	
				1	On	
	Ch2	Input 2/Output 2/Group B				Same as Ch1
	Ch3	Input 3/Output 3/Group C				Same as Ch1
	Ch4	Input 4/Output 4/Group D				Same as Ch1
	Ch5	Input 5/Output 5/Group E				Same as Ch1
Ch6	Input 6/Output 6/Group F				Same as Ch1	
Ch7	Input 7/Output 7/Group H				Same as Ch1	
Ch8	Input 8/Output 8/-				Same as Ch1	
Ch9	Input 9/Output ST1/-				Same as Ch1	

No	item	Description	type	value	value description	remarks
	Ch10	Input 10/Output ST2/-				Same as Ch1
	ST1	Input ST1/-/-				Same as Ch1
	ST2	Input ST2/-/-				Same as Ch1
6	End Character	Message end character	binary	0x0d	CR	

4.5.9 Operator Page Channel Mute Request

After receiving the Operator Page Channel Mute Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Operator Page Channel Mute Request from the host is shown below.

s_operator_mute_S_0000_00_NC_8,1,8_↵

Table 4-116 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_operator_mute		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8	
	Mute	Mute	string	0	No Mute	
				1	Mute	
Page	Page number	string	1 to 8	Page 1 to 8		
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.5.10 Array Mic Mute Control Request

After receiving the Array Mic Mute Control Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Array Mic Mute Control Request from the host is shown below.

s_arraymic_mute_S_0000_00_NC_1,1

Table 4-117 Command Format

No	item	Description	type	value	value description	remarks		
1	Command	Command string	string	s_arraymic_mute				
2	HandShake Select	Sequence execution system	string	S				
3	Device ID	Individual number	string	0000 to FFFF	See <u>Table 2-3</u> .			
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-3</u> .			
5	Continue Select	Divided message system	string	NC	No divided message			
6	Parameter	Parameter						
			Mute	Mute	string	0	No mute	
						1	Mute	
			Virtual Mic	Virtual Mic	string	0	Virtual Mic 1	
					1	Virtual Mic 2		
7	End Character	Message end character	binary	0x0d	CR			

(2) ACK/NAK

See Factory Default Setting Request (2).

4.5.11 Array Mic Mute Status Acquisition Request

After receiving the Array Mic Mute Status Acquisition Request, the ATDM-1012 sends the Array Mic Mute state to the host via Answer.

(1) Get Command

The command format of the Array Mic Mute Status Acquisition Request from the host is shown below

g_arraymic_mute_O_0000_00_NC_1_↵

Table 4-118 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_arraymic_mute		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	string	0	Virtual Mic 1	
				1	Virtual Mic 2	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_arraymic_mute_0000_00_NC_1,1_↵

Table 4-119 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_audio_system			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter					
		Mute	Mute	string	0	No mute	
				1	Mute		
		Virtual Mic	Virtual Mic	string	0	Virtual Mic 1	
1	Virtual Mic 2						
6	End Character	Message end character	binary	0x0d	CR		

4.6 System Command Details

4.6.1 Factory Default Setting Request

After receiving the Factory Default Setting Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Factory Default Setting Request from the host is shown below.

factory_settings_S_0000_00_NC_0_↵

Table 4-120 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	factory_settings		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Reset Item	Reset items				
	All Setting to Default.	All settings	string	0	All Reset	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

factory_settings_ACK_↵

Table 4-121 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	factory_settings		Sets the received Set/Get command
2	ACK	ACK	string	ACK		
3	End Character	Message end character	binary	0x0d	CR	

factory_settings_NAK_01_↵

Table 4-122 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	factory_settings		Sets the received Set/Get command
2	NAK	NAK	string	NAK		
3	Error Code	Error Codes	string	00 to 99	Error Codes	See Chapter 2.2.4.
4	End Character	Message end character	binary	0x0d	CR	

4.6.2 Permission Setting Change Request

After receiving the Permission Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Permission Setting Change Request from the host is shown below.

s_permission_S_0000_00_NC_“ATDM-1012”,0,↵

Table 4-123 Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	s_permission			
2	HandShake Select	Sequence execution system	string	S			
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.		
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.		
5	Continue Select	Divided message system	string	NC	No divided message		
6	Parameter	Parameter					
	Device Name	Device name	char	“	Beginning of character string		
			string	ASCII code	Device name	To contain double quotation marks (“), specify them in succession like ““”.	
			char	“	End of character string		
	Administrator						
	Password require	Password requirement at login		string	0	Password not required	
					1	Password required	
	password	Password		string	alphanumeric character		Changed to not specified if omitted.
	(Reserve)						
		(Reserve)	(Reserve)	string	0	(Reserve)	
	(Reserve)	(Reserve)	string	0	(Reserve)		

No	item	Description	type	value	value description	remarks
		(Reserve)				
		(Reserve)	string	0	(Reserve)	
		(Reserve)	string	0	(Reserve)	
		(Reserve)	string	0	(Reserve)	
		(Reserve)	string	0	(Reserve)	
		(Reserve)	string	0	(Reserve)	
		(Reserve)	string	0	(Reserve)	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.3 Permission Setting Acquisition Request

After receiving the Permission Setting Acquisition Request, the ATDM-1012 sends the permission settings to the host via Answer.

(1) Get Command

The command format of the Permission Setting Acquisition Request from the host is shown below.

g_permission_O_0000_00_NC_↵

Table 4-124 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_permission		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_permission_0000_00_NC_“ATDM-1012”,0,↵

Table 4-125 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_permission			
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .		
3	Unit ID /Category ID	Model number/ category number	string	00 to FF	See <u>Table 2-7</u> .		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter	string				
	Device Name	Device name	char	“	Beginning of character string		
			string	ASCII code	Device name	To contain double quotation marks (“), specify them in succession like ““.”	
			char	“	End of character string		
	Administrator						
	Password require	Password requirement at login	string	0	Password not required		
				1	Password required		
	password	Password	string	alphanumeric character		Changed to not specified if omitted.	
	(Reserve)						
		<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
		<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	(Reserve)						
		<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
		<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
		<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>		
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>		

No	item	Description	type	value	value description	remarks
	(Reserve)	(Reserve)	string	0	(Reserve)	
6	End Character	Message end character	binary	0x0d	CR	

4.6.4 Network Setting Change Request

After receiving the Network Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK. If the network settings are changed, the ATDM-1012 needs to be rebooted.

(1) Set Command

The command format of the Network Setting Change Request from the host is shown below.

```
s_network_S_0000_00_NC_1,192.168.033.102,255.255.000.000,,1,17300,1,1,225.000.000.100,17000,0,,,,0,,,,↵
```

Table 4-126 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_network		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	IP setting					
	IP config mode	IP address decision method	string	0	Auto	
				1	Static	
	IP address	IP address	string	000.000.000.000 to 255.255.255.255	IP address	
	Subnet mask	Subnet mask	string	000.000.000.000 to 255.255.255.255	Subnet mask	
	Gateway address	Default gateway	string	000.000.000.000 to	Default gateway	

No	item	Description	type	value	value description	remarks
				255.255.255.255		
	Allow Discovery	UPnP	string	0	Not detect	
				1	Detect	
	IP control setting					
	Port Number	TCP/IP port number	string	1 to 65535	Port number	
	Notification	Information transmission	string	0	Not use	
				1	Use	
	Audio Level Notification	Audio Level Information transmission	string	0	Not use	
				1	Use	
	Multicast address	Multicast group address	string	000.000.000.000 to 255.255.255.255	IP address	
	Multicast port number	Multicast port number	string	1 to 65535	Port number	
	NTP setting					
	Enabled	NTP use	string	0	Not use	
				1	Use	
	NTP server address	NTP server address	string	000.000.000.000 to 255.255.255.255	IP address	
	NTP port number	NTP server port number	string	1 to 65535	Port number	
	Time Zone	Difference from GMT	string	-1200 to +1400	±HHMM (Units: 30 minutes)	
	Daylight saving time	Daylight saving time	string	0	Not use	
				1	Use	
	Start Date	Start date of daylight saving time	string	01010000 to 12312300	MMDDHHmm (Units: 1 hour)	
	End Date	End date of daylight saving time	string	01010000 to 12312300	MMDDHHmm (Units: 1 hour)	
	(Reserve)					
	(Reserve)	(Reserve)	string	0	(Reserve)	
	(Reserve)	(Reserve)	string	0	(Reserve)	
	Multicast port number					
	Multicast port number2	For DECT-WLM	string	1 to 65535	Port number	
	Reserved	Reserved	string			Not used
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.5 Network Setting Acquisition Request

After receiving the Network Setting Acquisition Request, the ATDM-1012 sends the network settings to the host via Answer.

(1) Get Command

The command format of the Network Setting Acquisition Request from the host is shown below.

g_network_O_0000_00_NC_↵

Table 4-127 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_network		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

**g_network_0000_00_NC_1,,,,0005CDC102FA,1,17300,1,1,225.000.000.100,17000,
0,,,,0,,,,_↵**

Table 4-128 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_network		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	IP setting					
	IP config mode	IP address decision method	string	0	Auto	
				1	Static	
	IP address	IP address	string	000.000.000.000 to 255.255.255.255	IP address	
	Subnet mask	Subnet mask	string	000.000.000.000 to 255.255.255.255	Subnet mask	
	Gateway address	Default gateway	string	000.000.000.000 to 255.255.255.255	Default gateway	
	MAC address	MAC address	string	XXXXXXXXXXXX	MAC address	
	Allow Discovery	UPnP	string	0	Not detect	
				1	Detect	
	IP control setting					
	Port Number	TCP/IP port number	string	1 to 65535	Port number	
	Notification	Information transmission	string	0	Not use	
				1	Use	
	Audio Level Notification	Audio Level Information transmission	string	0	Not use	
				1	Use	
	Multicast address	Multicast group address	string	000.000.000.000 to 255.255.255.255	IP address	

No	item	Description	type	value	value description	remarks
		Multicast port number	string	1 to 65535	Port number	
	NTP setting					
	Enabled	NTP use	string	0 1	Not use Use	
	NTP server address	NTP server address	string	000.000.000.000 to 255.255.255.255	IP address	
	NTP port number	NTP server port number	string	1 to 65535	Port number	
	Time Zone	Difference from GMT	string	-1200 to +1400	±HHMM (Units: 30 minutes)	
	Daylight saving time	Daylight saving time	string	0	Not use	
				1	Use	
	Start Date	Start date of daylight saving time	string	01010000 to 12312300	MMDDHHmm (Units: 1 hour)	
	End Date	End date of daylight saving time	string	01010000 to 12312300	MMDDHHmm (Units: 1 hour)	
	(Reserve)					
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
	<i>(Reserve)</i>	<i>(Reserve)</i>	string	0	<i>(Reserve)</i>	
6	End Character	Message end character	binary	0x0d	CR	

4.6.6 Network Setting Acquisition Request 2

After receiving the Network Setting Acquisition Request 2, the ATDM-1012 sends the network settings to the host via Answer.

(1) Get Command

The command format of the Network Setting Acquisition Request 2 from the host is shown below.

g_network2_O_0000_00_NC_↵

Table 4-129 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_network2		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

**g_network2_0000_00_NC_1,,,,,0005CDC102FA,1,17300,1,1,225.000.000.100,17000
 ,0,,,,,0,,,,,17002,17001_↓**

Table 4-130 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_network2		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	IP setting					
	IP config mode	IP address decision method	string	0	Auto	
				1	Static	
	IP address	IP address	string	000.000.000.000 to 255.255.255.255	IP address	
	Subnet mask	Subnet mask	string	000.000.000.000 to 255.255.255.255	Subnet mask	
	Gateway address	Default gateway	string	000.000.000.000 to 255.255.255.255	Default gateway	
	MAC address	MAC address	string	XXXXXXXXYYYYYY	MAC address	
	Allow Discovery	UPnP	string	0	Not detect	
				1	Detect	
	IP control setting					
	Port Number	TCP/IP port number	string	1 to 65535	Port number	
	Notification	Information transmission	string	0	Not use	
				1	Use	
	Audio Level Notification	Audio Level Information transmission	string	0	Not use	
				1	Use	
	Multicast address	Multicast group address	string	000.000.000.000 to 255.255.255.255	IP address	

No	item	Description	type	value	value description	remarks
		Multicast port number	string	1 to 65535	Port number	
	NTP setting					
	Enabled	NTP use	string	0 1	Not use Use	
	NTP server address	NTP server address	string	000.000.000.000 to 255.255.255.255	IP address	
	NTP port number	NTP server port number	string	1 to 65535	Port number	
	Time Zone	Difference from GMT	string	-1200 to +1400	±HHMM (Units: 30 minutes)	
	Daylight saving time	Daylight saving time	string	0 1	Not use Use	
	Start Date	Start date of daylight saving time	string	01010000 to 12312300	MMDDHHmm (Units: 1 hour)	
	End Date	End date of daylight saving time	string	01010000 to 12312300	MMDDHHmm (Units: 1 hour)	
	(Reserve)					
	(Reserve)	(Reserve)	string	0	(Reserve)	
	(Reserve)	(Reserve)	string	0	(Reserve)	
	Multicast port number					
	Multicast port number2	For DECT-WLM	string	1 to 65535	Port number	
	Multicast port number3	For DECT-CHG	string	1 to 65535	Port number	
6	End Character	Message end character	binary	0x0d	CR	

4.6.7 Dante Setting Change Request

After receiving the Dante Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.
If the Dante settings are changed, the ATDM-1012 needs to be rebooted.

(1) Set Command

The command format of the Dante Setting Change Request from the host is shown below.

```
s_network_dante_S_0000_00_NC_0,5,1,192.168.033.102,255.255.000.000,,,1,192.168.033.103,255.255.000.000,,↵
```

Table 4-131 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_network_dante		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Network Configuration					
	Mode	Mode	string	0	Switched	
				1	Redundant Audio	
	Latency	Latency	string	2	Split	
				1	250usec	
				2	500usec	
				3	1 msec	
				4	2 msec	
				5	5 msec	

No	item	Description	type	value	value description	remarks
	Port Setting/Primary	Primary settings				
	IP Config mode	IP address acquisition method	string	0	Auto	
				1	Static	
	IP address	IP address	string	000.000.000.000 to 255.255.255.255	IP address	
	Subnet mask	Subnet mask	string	000.000.000.000 to 255.255.255.255	Subnet mask	
	Gateway address	Default gateway	string	000.000.000.000 to 255.255.255.255	IP address	
	Reserved	Reserved	string			
	Port Setting/Secondary	Secondary settings				Same as Primary
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.8 Dante Setting Acquisition Request

After receiving the Dante Setting Acquisition Request, the ATDM-1012 sends the network settings to the host via Answer.

(1) Get Command

The command format of the Dante Setting Acquisition Request from the host is shown below.

g_network_dante_O_0000_00_NC_↓

Table 4-132 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_network_dante		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_network_dante_0000_00_NC_0,5,1,192.168.033.102,255.255.000.000,,,1,192.168.033.103,255.255.000.000,,_↓

Table 4-133 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_network_dante		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Network Configuration					
	Mode	Mode	string	0	Switched	
				1	Redundant Audio	
				2	Split	
	Latency	Latency	string	1	250usec	
				2	500usec	
				3	1 msec	
				4	2 msec	
				5	5 msec	
	Port Setting/Primary					
	IP Config mode	IP address acquisition method	string	0	Auto	
				1	Static	
	IP address	IP address	string	000.000.000.000 to 255.255.255.255	IP address	
	Subnet mask	Subnet mask	string	000.000.000.000 to 255.255.255.255	Subnet mask	

No	item	Description	type	value	value description	remarks	
		Gateway address	Default gateway	string	000.000.000.000 to 255.255.255.255	IP address	
		Reserved	Reserved	string			
	Port Setting/Secondary	Secondary settings					Same as Primary
6	End Character	Message end character	binary	0x0d	CR		

4.6.9 Firmware Version Acquisition Request

After receiving the Firmware Version Acquisition Request, the ATDM-1012 sends the device firmware version to the host via Answer.

(1) Get Command

The command format of the Firmware Version Acquisition Request from the host is shown below.

g_firmware_version_O_0000_00_NC_↵

Table 4-134 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_firmware_version		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_firmware_version_0000_00_NC_01.00.00

Table 4-135 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_firmware_version		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	version	Version	string	XX.XX.XX	Version	
6	End Character	Message end character	binary	0x0d	CR	

4.6.10 Header Color Setting Change Request

After receiving the Header Color Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK/NAK. If the header color settings are changed, the ATDM-1012 needs to be rebooted.

(1) Get Command

The command format of the Header Color Setting Change Request from the host is shown below.

s_header_color_S_0000_00_NC_FFFFFFFF

Table 4-136 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_header_color		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Header Color	Parameter Header color	string	0	White	
				1	Green	
				2	Yellow	
				3	Orange	
				4	Purple	
				5	Blue	
				6	Cyan	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.11 Header Color Setting Acquisition Request

After receiving the Header Color Setting Acquisition Request, the ATDM-1012 sends the header color settings to the host via Answer.

(1) Get Command

The command format of the Header Color Setting Acquisition Request from the host is shown below

g_header_color_O_0000_00_NC_↵

Table 4-137 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_header_color		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(3) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_header_color_0000_00_NC_FFFFFF_↵

Table 4-138 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_header_color		
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter Header Color	Parameter Header color	string	0	White	
				1	Green	
				2	Yellow	
				3	Orange	
				4	Purple	
				5	Blue	
				6	Cyan	
6	End Character	Message end character	binary	0x0d	CR	

4.6.12A-T LINK Mode Setting Change Request

After receiving the A-T LINK Mode Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK. If the A-T LINK Mode settings are changed, the ATDM-1012 needs to be rebooted.

(1) Set Command

The command format of the A-T LINK Mode Setting Change Request from the host is shown below.

s_link_S_0000_00_NC_1_↓

Table 4-139 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_link		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	string	0	Extention	
				1	Primary	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.13AT-LINK Mode Setting Acquisition Request

After receiving the AT-LINK Mode Setting Acquisition Request, the ATDM-1012 sends the AT Link settings to the host via Answer.

(1) Get Command

The command format of the AT-LINK Mode Setting Acquisition Request from the host is shown below

g_link_O_0000_00_NC_↵

Table 4-140 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_link		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_link_0000_00_NC_1_↓

Table 4-141 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_link		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter		0	Extention	
				1	Primary	
6	End Character	Message end character	binary	0x0d	CR	

4.6.14A-T LINK Status Acquisition Request

After receiving the A-T LINK Status Acquisition Request, the ATDM-1012 sends the Extension information to the host via Answer.

(1) Get Command

The command format of the A-T LINK Status Acquisition Request from the host is shown below

g_link_extstatus_O_0000_00_NC_7_↓

Table 4-142 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_link_extstatus		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Extention	Extension number	string	1 to 7	Extension 1 to Extension 7	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_link_extstatus_0000_00_NC_7,"ATDM-1012",00000001,01.00.00_↓

Table 4-143 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_link_extstatus		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Extention	Extension number	string	1 to 7	Extension 1 to Extension 7	
	Device Name	Device name	char	“	Beginning of character string	
			string	ASCII code	Device name	To contain double quotation marks (“), specify them in succession like “”.
			char	“	End of character string	
	Serial	Serial number	string	00000000 to 99999999	Serial number	
version	Version	string	XX.XX.XX	Version		
6	End Character	Message end character	binary	0x0d	CR	

4.6.15 Connected Device Limit Setting Change Request

After receiving the Connected Device Limit Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Connected Device Limit Setting Change Request from the host is shown below.

```
s_connected_limit_S_0000_00_NC_0,255.000.000.001,255.000.000.002,255.000.000.003,255.000.000.004,255.000.000.005_↵
```

Table 4-144 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_connected_limit		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/ category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Device Access permission					
	Restrict Access	Restrict access	string	0	Not permit	
				1	Permit	
	Permission IP1	IP address 1 permitted	string	000.000.000.000 to 255.255.255.255	IP address 1 permitted	
	Permission IP2	IP address 2 permitted	string			Same as Permission IP1
	Permission IP3	IP address 3 permitted	string			Same as Permission IP1
	Permission IP4	IP address 4 permitted	string			Same as Permission IP1
Permission IP5	IP address 5 permitted	string			Same as Permission IP1	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.16 Connected Device Limit Setting Acquisition Request

After receiving the Connected Device Limit Setting Acquisition Request, the ATDM-1012 sends the connected device restriction settings to the host via Answer.

(1) Get Command

The command format of the Connected Device Limit Setting Acquisition Request from the host is shown below

g_connected_limit_O_0000_00_NC_↓

Table 4-145 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_connected_limit		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See <u>Table 2-3</u> .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-3</u> .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_connected_limit_0000_00_NC_0,255.000.000.001,255.000.000.002,255.000.000.003,255.000.000.004,255.000.000.005_↓

Table 4-146 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_connected_limit		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Device Access permission					
	Restrict Access	Restrict access	string	0	Not use	
				1	Use	
	Permission IP1	IP address 1 permitted	string	000.000.000.000 to 255.255.255.255	IP address 1 permitted	
	Permission IP2	IP address 2 permitted	string			Same as Permission IP1
	Permission IP3	IP address 3 permitted	string			Same as Permission IP1
	Permission IP4	IP address 4 permitted	string			Same as Permission IP1
Permission IP5	IP address 5 permitted	string			Same as Permission IP1	
6	End Character	Message end character	binary	0x0d	CR	

4.6.17 Connected Device Operator Page Setting Change Request

After receiving the Connected Device Operator Page Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Connected Device Operator Page Setting Change Request from the host is shown below.

`s_connected_page_S_0000_00_NC_5,1,1,1,1,1,1,1_↵`

Table 4-147 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_connected_page		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Permission IP No	Index of IP address permitted	string	1 to 5	Permission IP 1 to 5	
	Operator Page					
	Page1	Operator page 1 access permission	string	0	Not permit	
				1	Permit	
	Page2	Operator page 2 access permission				Same as Page1
	Page3	Operator page 3 access permission				Same as Page1
	Page4	Operator page 4 access permission				Same as Page1
	Page5	Operator page 5 access permission				Same as Page1
	Page6	Operator page 6 access permission				Same as Page1
Page7	Operator page 7 access permission				Same as Page1	
Page8	Operator page 8 access permission				Same as Page1	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.18 Connected Device Operator Page Setting Acquisition Request

After receiving the Connected Device Operator Page Setting Acquisition Request, the ATDM-1012 sends the connected device operator page setting acquisition request to the host via Answer.

(1) Get Command

The command format of the Connected Device Operator Page Setting Acquisition Request from the host is shown below

g_connected_page_0_0000_00_NC_5_↵

Table 4-148 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_connected_page		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Permission IP No	Index of IP address permitted	string	1 to 5	Permission IP 1 to 5	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_connected_page_0000_00_NC_5,1,1,1,1,1,1,1_↵

Table 4-149 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_connected_page		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Permission IP No	Index of IP address permitted	string	1 to 5	Permission IP 1 to 5	
	Operator Page					
	Page1	Operator page 1 access permission	string	0	Not permit	
				1	Permit	
	Page2	Operator page 2 access permission				Same as Page1
	Page3	Operator page 3 access permission				Same as Page1
	Page4	Operator page 4 access permission				Same as Page1
	Page5	Operator page 5 access permission				Same as Page1
	Page6	Operator page 6 access permission				Same as Page1
Page7	Operator page 7 access permission				Same as Page1	
Page8	Operator page 8 access permission				Same as Page1	
6	End Character	Message end character	binary	0x0d	CR	

4.6.19 Audio System Setting Change Request

After receiving the Audio System Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Audio System Setting Change Request from the host is shown below.

s_audio_system_S_0000_00_NC_1,2,1,8_↓

Table 4-150 Command Format

No	item	Description	type	value	value description		remarks				
1	Command	Command string	string	s_audio_system							
2	HandShake Select	Sequence execution system	string	S							
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .						
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .						
5	Continue Select	Divided message system	string	NC	No divided message						
6	Parameter	Parameter									
					Gain Unit Type	Gain unit		string	0	dBU/dBV	
									1	dB	
					Delay Unit Type	Delay unit		string	0	ms	
									1	M	
									2	Ft	
					Input EQ/DYN	Input Channel EQ/Dyn display setting		string	0	EQ	
									1	Dyn	
					Virtual Mic Mode	Virtual Mic mode		string		Virtual Mic Mode1	Virtual Mic Mode2
									0	Off	Off
									1	ES954	Off
									2	Off	ES954
									3	ES954	ES954
									4	ES964	Off
									5	Off	ES964
6	ES964	ES964									
7	ES954	ES964									
8	ES964	ES954									
7	End Character	Message end character	binary	0x0d	CR						

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.20 Audio System Setting Acquisition Request

After receiving the Audio System Setting Acquisition Request, the ATDM-1012 sends the Audio System settings to the host via Answer.

(1) Get Command

The command format of the Audio System Setting Acquisition Request from the host is shown below

g_audio_system_0_0000_00_NC_↵

Table 4-151 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_audio_system		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_audio_system_0000_00_NC_1,2,1,8_↵

Table 4-152 Answer Command Format

No	item	Description	type	value	value description		remarks
1	Command	Command string	string	g_audio_system			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter	string	0	dBu/dBV		
				1	dB		
	Gain Unit Type	Gain unit	string	0	ms		
				1	M		
				2	Ft		
	Delay Unit Type	Delay unit	string	0	EQ		
				1	Dyn		
	Input EQ/DYN	Input Channel EQ/Dyn display setting	string	0	EQ		
				1	Dyn		
	Virtual Mic Mode	Virtual Mic mode	string		Virtual Mic Mode1	Virtual Mic Mode2	
				0	Off	Off	
				1	ES954	Off	
				2	Off	ES954	
				3	ES954	ES954	
4				ES964	Off		
5				Off	ES964		
6				ES964	ES964		
7				ES954	ES964		
8	ES964	ES954					
6	End Character	Message end character	binary	0x0d	CR		

4.6.21 Front Panel Setting Change Request

After receiving the Front Panel Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Front Panel Setting Change Request from the host is shown below.

s_front_panel_S_0000_00_NC_1,1,1_↓

Table 4-153 Command Format

No	item	Description	type	value	value description	remarks			
1	Command	Command string	string	s_front_panel					
2	HandShake Select	Sequence execution system	string	S					
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .				
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .				
5	Continue Select	Divided message system	string	NC	No divided message				
6	Parameter	Parameter							
				Recall Preset	Preset call setting	string	0	Disable	
							1	Enable	
				LED Dimmer	LED dimmer setting	string	0	Disable	
							1	Enable	
				Error Notice	Error display setting	string	0	Not display	
				1	Display				
7	End Character	Message end character	binary	0x0d	CR				

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.22 Front Panel Setting Acquisition Request

After receiving the Front Panel Setting Acquisition Request, the ATDM-1012 sends the front panel control settings to the host via Answer.

(1) Get Command

The command format of the Front Panel Setting Acquisition Request from the host is shown below

g_front_panel_O_0000_00_NC_↓

Table 4-154 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_front_panel		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_front_panel_0000_00_NC_1,1,1_↓

Table 4-155 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_front_panel			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Recall Preset	Preset call setting	string	0	Disable	
					1	Enable	
		LED Dimmer	LED dimmer setting	string	0	Disable	
					1	Enable	
		Error Notice	Error display setting	string	0	Not display	
					1	Display	
6	End Character	Message end character	binary	0x0d	CR		

4.6.23 Front Panel Function Setting Change Request

After receiving the Front Panel Function Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Front Panel Function Setting Change Request from the host is shown below.

s_front_panel_limit_S_0000_00_NC_1,1,9,1

Table 4-156 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_front_panel_limit		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Function	Function	string	0	Level	
				1	Mute	
	Target	Target	string	0	Input Channel	
				1	Output Channel	
	Channel Select	Channel select	string	0 to 9	Input Channel 1 to 10	When Target is 0
				10	Input ST1	
				11	Input ST2	
	Channel Select	Channel select	string	0 to 7	Output Channel 1 to 8	When Target is 1
				8	Output ST1	
9				Output ST2		
Enable	Enable/Disable	string	0	Disable		
			1	Enable		
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.24 Front Panel Function Setting Acquisition Request

After receiving the Front Panel Function Setting Acquisition Request, the ATDM-1012 sends the front panel control settings to the host via Answer.

(1) Get Command

The command format of the Front Panel Function Setting Acquisition Request from the host is shown below

g_front_panel_limit_O_0000_00_NC_1,1,9

Table 4-157 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_front_panel_limit		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
	Function	Function	string	0	Level	
				1	Mute	
	Target	Target	string	0	Input Channel	
				1	Output Channel	
	Channel Select	Channel select	string	0 to 9	Input Channel 1 to 10	When Target is 0
				10	Input ST1	
				11	Input ST2	
				0 to 7	Output Channel 1 to 8	When Target is 1
				8	Output ST1	
9	Output ST2					
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_front_panel_limit_0000_00_NC_1,1,9,1

Table 4-158 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_front_panel			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Function	Function	string	0	Level	
					1	Mute	
		Target	Target	string	0	Input Channel	
					1	Output Channel	
		Channel Select	Channel select	string	0 to 9	Input Channel 1 to 10	When Target is 0
					10	Input ST1	
					11	Input ST2	
					0 to 7	Output Channel 1 to 8	When Target is 1
					8	Output ST1	
		9	Output ST2				
Enable	Enable/Disable	string	0	Disable			
			1	Enable			
6	End Character	Message end character	binary	0x0d	CR		

4.6.25 Log Setting Change Request

After receiving the Log Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Log Setting Change Request from the host is shown below.

s_log_S_0000_00_NC_1,2_↓

Table 4-159 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_log		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Enabled	Log output	string	0 1	Disable Enable	
	Output destination	Output destination	string	0 2	Internal Syslog	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.26 Log Setting Acquisition Request

After receiving the Log Setting Acquisition Request, the ATDM-1012 sends the log settings to the host via Answer.

(1) Get Command

The command format of the Log Setting Acquisition Request from the host is shown below.

g_log_O_0000_00_NC_↵

Table 4-160 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_log		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_log_0000_00_NC_1,2_↓

Table 4-161 Answer Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	g_log			
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .		
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .		
4	Continue Select	Divided message system	string	NC	No divided message		
5	Parameter	Parameter					
		Enabled	Log output	string	0	Disable	
				1	Enable		
		Output destination	Output destination	string	0	Internal	
2	Syslog						
6	End Character	Message end character	binary	0x0d	CR		

4.6.27Preset Call Request

After receiving the Preset Call Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Preset Call Request from the host is shown below.

call_preset_S_0000_00_NC_8_↵

Table 4-162 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	call_preset		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 8	Bank 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.28Preset Save Request

After receiving the Preset Save Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Preset Save Request from the host is shown below.

save_preset_S_0000_00_NC_8_↵

Table 4-163 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	save_preset		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 8	Bank 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.29Preset Bank Name Change Request

After receiving the Preset Bank Name Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Preset Bank Name Change Request from the host is shown below.

s_name_bank_S_0000_00_NC_1,"preset 1"

Table 4-164 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_name_bank		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 8	Bank 1 to 8	
	Name	Bank name	char	“	Beginning of character string	
			string	ASCII code	Bank name	To contain double quotation marks (“), specify them in succession like ““.
char	“	End of character string				
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.30Preset Bank Name Acquisition Request

After receiving the Preset Bank Name Acquisition Request, the ATDM-1012 sends the Preset Bank Name Acquisition Request to the host via Answer.

(1) Get Command

The command format of the Preset Bank Name Acquisition Request from the host is shown below.

g_name_bank_O_0000_00_NC↵

Table 4-165 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_name_bank		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_name_bank_0000_00_CS_1,"preset 1"↵
 g_name_bank_0000_00_CM_2,"preset 2"↵
 .
 .
 .
 g_name_bank_0000_00_CM_7,"preset 7"↵
 g_name_bank_0000_00_CE_8,"preset 8"↵

Table 4-166 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_name_bank		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	CS/CM/CE	Divided message	
5	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 8	Bank 1 to 8	
	Name	Bank name	char	"	Beginning of character string	
			string	ASCII code	Bank name	To contain double quotation marks ("), specify them in succession like "".
char	"	End of character string				
6	End Character	Message end character	binary	0x0d	CR	

4.6.31 Boot Up Preset Setting Change Request

After receiving the Boot Up Preset Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK. The Boot Up preset is the preset that is called at the time of power up.

(1) Set Command

The command format of the Boot Up Preset Setting Change Request from the host is shown below.

s_bootup_preset_S_0000_00_NC_0_↵

Table 4-167 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_bootup_preset		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	string	0	Not select	
				1 to 8	Bank 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.32 Boot Up Preset Setting Acquisition Request

After receiving the Boot Up Preset Setting Acquisition Request, the ATDM-1012 sends the boot up preset setting acquisition setting to the host via Answer.

The Boot Up preset is the preset that is called at the time of power up.

(1) Get Command

The command format of the Boot Up Preset Setting Acquisition Request from the host is shown below.

g_bootup_preset_O_0000_00_NC_↵

Table 4-168 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_bootup_preset		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_bootup_preset_0000_00_NC_0_↓

Table 4-169 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_bootup_preset		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
				Bank Number	Bank number	string
				1 to 8	Bank 1 to 8	
6	End Character	Message end character	binary	0x0d	CR	

4.6.33Preset Common Setting Change Request

After receiving the Preset Common Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Preset Common Setting Change Request from the host is shown below.

s_preset_general_S_0000_00_NC_1,1

Table 4-170 Command Format

No	item	Description	type	value	value description	remarks						
1	Command	Command string	string	s_preset_general								
2	HandShake Select	Sequence execution system	string	S								
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .							
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .							
5	Continue Select	Divided message system	string	NC	No divided message							
6	Parameter	Parameter										
							Preset Recall Link	Preset recall linkage	string	0	Off	
										1	On	
							Tascam Preset Link	Preset linkage (Tascam)	string	0	Off	
1	On											
7	End Character	Message end character	binary	0x0d	CR							

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.34Preset Common Setting Acquisition Request

After receiving the Preset Common Setting Acquisition Request, the ATDM-1012 sends the preset common setting acquisition request to the host via Answer.

(1) Get Command

The command format of the Preset Common Setting Acquisition Request from the host is shown below.

g_preset_general_O_0000_00_NC_↵

Table 4-171 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_preset_general		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_preset_general_0000_00_NC_1,1_↵

Table 4-172 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_bootup_preset		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter	string	0	Off	
				1	On	
	Tascam Preset Link	Preset linkage (Tascam)	string	0	Off	
				1	On	
6	End Character	Message end character	binary	0x0d	CR	

4.6.35 File Transfer Request

After receiving the File Transfer Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the File Transfer Request from the host is shown below.

```
file_transfer_S_0000_00_CS_p1,00000400,1024,[binary data]↵
```

```
file_transfer_S_0000_00_CM_p1,00000800,1024,[binary data]↵
```

```
.  
:  
.
```

```
file_transfer_S_0000_00_CM_p1,00001000,1024,[binary data]↵
```

```
file_transfer_S_0000_00_CE_p1,00001400,256,[binary data]↵
```

Table 4-173 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	file_transfer		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See <u>Table 2-3</u> .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-3</u> .	
5	Continue Select	Divided message system	string	NC/CS/CM/CE	Divided message	
6	Parameter	Parameter				
	Kind	Transfer data type	string	See 6.6 Transfer data type.		
	File Offset	Offset	string	00000000 to FFFFFFFF	Specify the offset in the transfer file with HEX. Do not add "0x." A value obtained with ftell (FILE*)	
	Size	Size	string	0001 to 1024	Specify the number of bytes of transfer data with DEC.	
	Data	Transfer data	binary	-	Specify the transfer data with a binary number.	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.36 File Transfer Cancel Request

After receiving the File Transfer Cancel Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the File Transfer Cancel Request from the host is shown below.

`file_transfer_cancel_S_0000_00_NC_p1_↵`

Table 4-174 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	file_transfer_cancel		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC/CS/CM/CE	Divided message	
6	Parameter	Parameter				
	Kind	Transfer data type	string	See 6.6 Transfer data type.		
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.37 Export Request

After receiving the Export Request, the ATDM-1012 sends data specified by ACK or NAK to the host.

(1) Get Command

The command format of the Export Request from the host is shown below.

export_0_0000_00_NC_p1_↵

Table 4-175 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	export		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Kind	Transfer data type	string	See 6.6 Transfer data type.		
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

```

export_0000_00_CS_p1,00000400,1024,[binary data]_↵
export_0000_00_CM_p1,00000800,1024,[binary data]_↵
.
.
.
export_0000_00_CM_p1,00001000,1024,[binary data]_↵
export_0000_00_CE_p1,00001400,256,[binary data]_↵
    
```

Table 4-176 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	export		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC/CS/CM/CE	Divided message	
5	Parameter	Parameter				
	Kind	Transfer data type	string	See 6.6 Transfer data type.		
	File Offset	Offset	string	00000000 to FFFFFFFF	Specify the offset in the transfer file with HEX. Do not add "0x." A value obtained with ftell (FILE*)	
	Size	Size	string	0001 to 1024	Specify the number of bytes of transfer data with DEC.	
	Data	Transfer data	binary	-	Specify the transfer data with a binary number.	
6	End Character	Message end character	binary	0x0d	CR	

4.6.38 Import Request

After receiving the Import Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

After Import Request, for the transfer data, the File Transfer Request command is used.

(1) Set Command

The command format of the Import Request from the host is shown below.

import_S_0000_00_NC_p1_↵

Table 4-177 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	import		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Kind	Transfer data type	string	See 6.6 Transfer data type.		
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.39 Level Meter Notification Interval Setting Change Request

After receiving the Level Meter Notification Interval Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Get Command

The command format of the Level Meter Notification Interval Setting Change Request from the host is shown below.

s_level_meter_interval_S_0000_00_NC_100_↵

Table 4-178 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_level_meter_interval		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Interval	Notification interval	string	100 or more	msec	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.40 Level Meter Notification Interval Setting Acquisition Request

After receiving the Level Meter Notification Interval Setting Acquisition Request, the ATDM-1012 sends the level meter settings to the host via Answer.

(1) Get Command

The command format of the Level Meter Notification Interval Setting Acquisition Request from the host is shown below.

g_level_meter_interval_0_0000_00_NC_0_↵

Table 4-179 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_level_meter_interval		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter		-	-	No
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_level_meter_interval_0000_00_NC_0,10_↵

Table 4-180 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_level_meter_interval		
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Interval	Notification interval	string	100 or more	msec	
6	End Character	Message end character	binary	0x0d	CR	

4.6.41 Level Meter Acquisition Request

After receiving the Level Meter Acquisition Request, the ATDM-1012 sends the level meter settings to the host via Answer.

(1) Get Command

The command format of the Level Meter Acquisition Request from the host is shown below.

g_level_meter_0_0000_00_NC_0_↵

Table 4-181 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_level_meter		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Monitor Point	Monitor point	string	0 to 41	Level 0 to Level 41	See 5.2.1.
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_level_meter_0000_00_NC_0,10_↵

Table 4-182 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_level_meter		
2	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-7</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-7</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Monitor Point	Monitor point	string	0 to 41	Level 0 to Level 41	See 5.2.1.
	Level	Level	string	0 to 61	Level	The range depends on the monitor point
6	End Character	Message end character	binary	0x0d	CR	

4.6.42 Identify Request

After receiving the Identify Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Identify Request from the host is shown below.

identify_S_0000_00_NC_↓

identify_S_0000_00_NC_C2,99999999,1_↓

Table 4-183 Command Format

No	item	Description	type	value	value description	remarks	
1	Command	Command string	string	identify			
2	HandShake Select	Sequence execution system	string	S			
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .		
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .		
5	Continue Select	Divided message system	string	NC	No divided message		
6	Parameter	Parameter				When omitted, the ATDM unit itself will be specified.	
		Unit ID	Unit ID	string	00 to FF	Unit ID	See 6.7.
		Serial Number	Serial number	string	0 to 99999999	Serial number	
		Start	Flashing state	string	0	Stop flashing	Only the Control Panel is active.
1	Start flashing						
7	End Character	Message end character	binary	0x0d	CR		

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.43 Date Setting Request

After receiving the Date Setting Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Date Setting Request from the host is shown below.

s_date_S_0000_00_NC_20190711145000_↵

Table 4-184 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_date		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Timestamp	Timestamp	string	YYYYMMDDHHMMSS	Date (four-digit year)	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.44 Reboot Request

After receiving Reboot Request, the ATDM-1012 performs self-reboot.

(1) Set Command

The command format of the Reboot Request from the host is shown below.

```
reboot_S_0000_00_NC_↵
```

Table 4-185 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	reboot		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See <u>Table 2-3</u> .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-3</u> .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.45 Device ID Acquisition Request

After receiving the Device ID Acquisition Request, the ATDM-1012 sends the device ID acquisition request to the host via Answer.

(3) Get Command

The command format of the Device ID Acquisition Request from the host is shown below

g_deviceid_O_0000_00_NC_↓

Table 4-186 Command Format

No	item	Description	type	value	value description	remarks
8	Command	Command string	string	g_deviceid		
9	HandShake Select	Sequence execution system	string	O		
10	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
11	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
12	Continue Select	Divided message system	string	NC	No divided message	
13	Parameter	Parameter	-	-	No parameter	
14	End Character	Message end character	binary	0x0d	CR	

(4) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_deviceid_0000_00_NC_08_↓

Table 4-187 Answer Command Format

No	item	Description	type	value	value description	remarks
7	Command	Command string	string	g_deviceid		
8	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .	
9	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .	
10	Continue Select	Divided message system	string	NC	No divided message	
11	Parameter	Parameter				
	Device ID	Device ID	string	00 to FF	Device ID	
12	End Character	Message end character	binary	0x0d	CR	

4.6.46Preset Number Acquisition Request

After receiving the Preset Number Acquisition Request, the ATDM-1012 sends the preset bank number to the host via Answer.

(1) Get Command

The command format of the Preset Number Acquisition Request from the host is shown below

g_preset_number _O_0000_00_NC_↵

Table 4-188 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_preset_number		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_preset_number _0000_00_NC_08_↵

Table 4-189 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_preset_number		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7 .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7 .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Bank Number	Bank number	string	00 to FF	Bank 1 to 8	
6	End Character	Message end character	binary	0x0d	CR	

4.6.47Partial Preset Call Request

After receiving the Partial Preset Call Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Partial Preset Call Request from the host is shown below.

call_partial_preset_S_0000_00_NC_8_↓

Table 4-190 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	call_partial_preset		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Partial Preset Number	Partial preset number	string	1 to 40	Partial preset number	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.48 Partial Preset Number Acquisition Request

After receiving the Partial Preset Number Acquisition Request, the ATDM-1012 sends the partial preset number to the host via Answer.

(1) Get Command

The command format of the Partial Preset Number Acquisition Request from the host is shown below

g_partial_preset_number _O_0000_00_NC_↓

Table 4-191 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_partial_preset_number		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_preset_number _0000_00_NC_1_↓

Table 4-192 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_partial_preset_number		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Partial Preset Number	Partial preset number	string	1 to 40	Partial preset number	
6	End Character	Message end character	binary	0x0d	CR	

4.6.49 IP Command Compatibility Setting Change Request

After receiving the IP Command Compatibility Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the IP Command Compatibility Setting Change Request from the host is shown below.

ZIDIP_S_0000_00_NC_1

Table 4-193 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	ZIDIP		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Type	Header type	string	0 1	Use Device ID/Unit ID Use Model ID/Device ID	Old system Model ID: 0000 (fixed) Device ID: 00 to FF
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.50 Dante Tx Select Setting Change Request

After receiving the Dante Tx Select Setting Change Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Get Command

The command format of the Dante Tx Select Setting Change Request from the host is shown below.

s_dante_tx_S_0000_00_NC_1_↵

Table 4-194 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_dante_tx		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Tx Select	Dante Tx Select	string	0 1	Bus Output	
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

4.6.51 Dante Tx Select Setting Acquisition Request

After receiving the Dante Tx Select Setting Acquisition Request, the ATDM-1012 sends the Dante Tx Select settings to the host via Answer.

(1) Get Command

The command format of the Dante Tx Select Setting Acquisition Request from the host is shown below.

g_dante_tx_0_0000_00_NC_↵

Table 4-195 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_dante_tx		
2	HandShake Select	Sequence execution system	string	0		
3	Device ID	Individual number	string	0000 to FFFF	See <u>Table 2-3</u> .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-3</u> .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter		-	-	No
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_dante_tx_0000_00_NC_1_↵

Table 4-196 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_dante_tx		
2	Device ID	Individual number	string	0000 to FFFF	See <u>Table 2-3</u> .	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-3</u> .	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Tx Select	Dante Tx Select	string	0 1	Bus Output	
6	End Character	Message end character	binary	0x0d	CR	

4.7 Connected Device Command Details

4.7.1 Connected Device Status Acquisition Request

After receiving the Connected Device Status Acquisition Request, the ATDM-1012 sends the connected device status to the host via Answer.

(1) Get Command

The command format of the Connected Device Status Acquisition Request from the host is shown below.

g_peripheral_status_O_0000_00_NC_↵

Table 4-197 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_peripheral_status		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter	-	-	No parameter	
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_peripheral_status_0000_00_NC_4,0,0,0,10,10,0,0,7,7,0,0_↵

Table 4-198 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_peripheral_status		
2	Device ID	Individual number	string	0000 to 0999	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	ATCP	Number of ATCP units				
	Port A	Number of units connected to Port A	string	0 to 255	Number of connected devices	The number of devices that can be connected varies from device to device.
	Port B	Number of units connected to Port B	string	0 to 255	Number of connected devices	
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
	ATND					Same as ATCP
ESW					Same as ATCP	
6	End Character	Message end character	binary	0x0d	CR	

4.7.2 Connected Device Status Acquisition Request 2

After receiving the Connected Device Status Acquisition Request 2, the ATDM-1012 sends the connected device status to the host via Answer.

(1) Get Command

The command format of the Connected Device Status Acquisition Request 2 from the host is shown below.

g_peripheral_status2_O_0000_00_NC_C2_↵

Table 4-199 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_peripheral_status2		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Unit ID	Unit ID	string	00 to FF	Unit ID	See 6.7.
7	End Character	Message end character	binary	0x0d	CR	

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012.

g_peripheral_status2_0000_00_NC_C2,10,0,0,0_↓

Table 4-200 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_peripheral_status		
2	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
4	Continue Select	Divided message system	string	NC	No divided message	
5	Parameter	Parameter				
	Unit ID	Unit ID	string	00 to FF	Unit ID	See 6.7.
	Port A	Number of units connected to Port A	string	0 to 255	Number of connected devices	The number of devices that can be connected varies from device to device.
	Port B	Number of units connected to Port B	string	0 to 255	Number of connected devices	
	Port C	Number of units connected to Port C	string	0 to 255	Number of connected devices	
	Port D	Number of units connected to Port D	string	0 to 255	Number of connected devices	
6	End Character	Message end character	binary	0x0d	CR	

4.7.3 Connected Device Information Acquisition Request

After receiving the Connected Device Information Acquisition Request, the ATDM-1012 sends the connected device information to the host via Answer.

(1) Get Command

The command format of the Connected Device Information Acquisition Request from the host is shown below.

- When acquiring all

`g_peripheral_info_O_0000_00_NC_↵`

- When acquiring devices with specific unit ID

`g_peripheral_info_O_0000_00_NC_CO,↵`

- When acquiring specified device

`g_peripheral_info_O_0000_00_NC_CO,99999999_↵`

Table 4-201 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_peripheral_info		
2	HandShake Select	Sequence execution system	string	O		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				Can be omitted
	Unit ID	Unit ID	string	00 to FF	Unit ID	See 6.7.
	Serial Number	Serial number	string	0 to 99999999	Serial number	
7	End Character	Message end character	binary	0x0d	CR	

(1)

(2) Answer

Refer to the table below for Answer Command format from the ATDM-1012. When parameter is omitted in the Request, response will be made for the number of corresponding pieces of information.

● When one response is made

g_peripheral_info_0000_00_NC_C0,99999999,"",01.00.00,1,B001,00000000000a,999_↓

● When multiple responses are made

g_peripheral_info_0000_00_CS_80,1,"",01.00.00,1,A001,000000000001,↓

g_peripheral_info_0000_00_CM_81,2,"",01.00.00,1,A002,000000000002,↓

g_peripheral_info_0000_00_CM_C1,1,"ATND1061",01.00.00,1,A003,000000000002,1_↓

...

g_peripheral_info_0000_00_CE_C0,99999999,"",01.00.00,1,B001,00000000000a,999_↓

Table 4-202 Answer Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	g_peripheral_info		
2	Device ID	Individual number	string	0000 to FFFF	See Table 2-7.	
3	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-7.	
4	Continue Select	Divided message system	string	NC/CS/CM/CE	Divided message	
5	Parameter	Parameter				
	Unit ID	Unit ID	string	00 to FF	Unit ID	See 6.7.
	Serial Number	Serial number	string	0 to 99999999	Serial number	
	Device Name	Name	string	" UTF-8	Beginning of character string 10 characters	To contain double quotation marks ("), they are set in

No	item	Description	type	value	value description	remarks
						succession like "".
				"	End of character string	
	version	Version	string	XX.XX.XX	Version	
	Connect Status	Connection status	string	0	Not connected	
				1	Connected	
	Topology Number	Topology number	string	A001 to B999	Connected port and topology number information	
	MAC Address	MAC address	string	XXXXXXXXXXXX	MAC address	
	Device ID	Device ID	string	0 to 999	Device ID of the connected device	
6	End Character	Message end character	binary	0x0d	CR	

4.7.4 Connected Device's Device ID Setting Request

After receiving the Connected Device's Device ID Setting Request, the ATDM-1012 sends the processing results to the host via ACK or NAK.

(1) Set Command

The command format of the Connected Device's Device ID Setting Request from the host is shown below.

s_peripheral_deviceid_S_0000_00_NC_C0,99999999,999,1_↵

Table 4-203 Command Format

No	item	Description	type	value	value description	remarks
1	Command	Command string	string	s_peripheral_deviceid		
2	HandShake Select	Sequence execution system	string	S		
3	Device ID	Individual number	string	0000 to FFFF	See Table 2-3 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Unit ID	Unit ID	string	00 to FF	Unit ID	See 6.7.
	Serial Number	Serial number	string	0 to 99999999	Serial number	
	Device ID	Device ID	string	0 to 999	Device ID	
	Check	Duplicate check	string	0 1	No duplicate check Duplicate check performed	1 if omitted
7	End Character	Message end character	binary	0x0d	CR	

(2) ACK/NAK

See Factory Default Setting Request (2).

5 UDP Communications

The information (status change notification) from the ATDM-1012 is sent via UDP protocol.

5.1 Communication Control

For details on the communication control flow, see Chapter 4.1.

5.1.1 Communication Start

The host registers groups to the multicast address.

Table 5-1 Communication Control Parameters

No	Name	Default Setting	Remarks
1.	IPAddress	225.000.000.100	Multicast address
2.	Port No	17000	

5.1.2 Control Sequence

5.1.2.1 Information

If the ATDM-1012 status changes, a status change notification is sent.

<Example> The sequence of Open Channel State Notice is shown below.

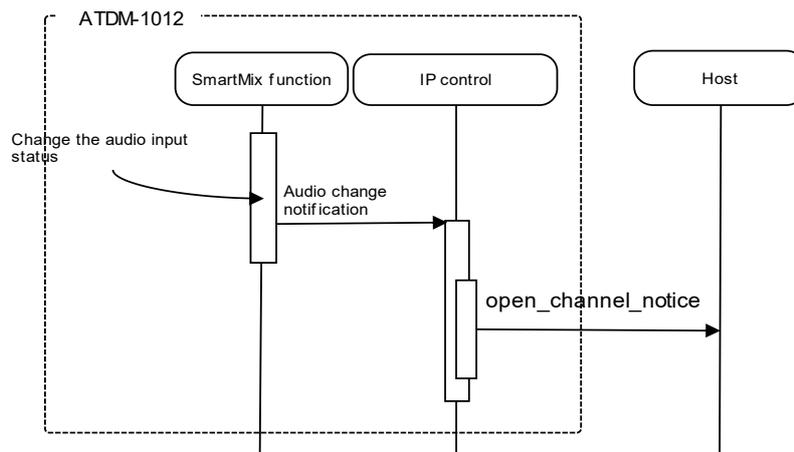


Figure 5-1 Information Command Processing Sequence

5.1.3 Communication Errors

For details on the sequence for transmission errors, see 4.1.3.1.

5.1.4 Communication End

The host can unregister groups at any timing.

No	item	Description	type	value	value description	remarks	
		Level 10	Input ST1	string	0 to 61	Level of Input ST1	
		Level 11	Input ST2	string	0 to 61	Level of Input ST2	
		Level 12	Output 1	string	0 to 61	Level of Output 1	
		Level 13	Output 2	string	0 to 61	Level of Output 2	
		Level 14	Output 3	string	0 to 61	Level of Output 3	
		Level 15	Output 4	string	0 to 61	Level of Output 4	
		Level 16	Output 5	string	0 to 61	Level of Output 5	
		Level 17	Output 6	string	0 to 61	Level of Output 6	
		Level 18	Output 7	string	0 to 61	Level of Output 7	
		Level 19	Output 8	string	0 to 61	Level of Output 8	
		Level 20	Output ST1	string	0 to 61	Level of Output ST1	
		Level 21	Output ST2	string	0 to 61	Level of Output ST2	
AEC(ERL) Meter							
		Level 22	Input 1	string	0 to 60	Level of Input 1	
		Level 23	Input 2	string	0 to 60	Level of Input 2	
		Level 24	Input 3	string	0 to 60	Level of Input 3	
		Level 25	Input 4	string	0 to 60	Level of Input 4	
		Level 26	Input 5	string	0 to 60	Level of Input 5	
		Level 27	Input 6	string	0 to 60	Level of Input 6	
		Level 28	Input 7	string	0 to 60	Level of Input 7	
		Level 29	Input 8	string	0 to 60	Level of Input 8	
		Level 30	Input 9	string	0 to 60	Level of Input 9	
		Level 31	Input 10	string	0 to 60	Level of Input 10	
Gainshare Meter							
		Level 32	Input 1	string	0 to 15	Level of Input 1	
		Level 33	Input 2	string	0 to 15	Level of Input 2	
		Level 34	Input 3	string	0 to 15	Level of Input 3	
		Level 35	Input 4	string	0 to 15	Level of Input 4	
		Level 36	Input 5	string	0 to 15	Level of Input 5	
		Level 37	Input 6	string	0 to 15	Level of Input 6	
		Level 38	Input 7	string	0 to 15	Level of Input 7	
		Level 39	Input 8	string	0 to 15	Level of Input 8	
		Level 40	Input 9	string	0 to 15	Level of Input 9	
		Level 41	Input 10	string	0 to 15	Level of Input 10	

No	item	Description	type	value	value description	remarks
7	End Character	Message end character	binary	0x0d	CR	

5.2.2 Input Gain/Level Setting Notice

Input Gain/Level Setting Notice is sent when the ATDM-1012 changes the gain/level settings of the input channel. It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD_input_gain_level_notice_0000_00_NC_11,40,40,511,1↵

Table 5-3 Command Format

No	item	Description	type	value	value description	remarks	
1	Modify	MD	string	MD			
2	Command	Command string	string	input_gain_level_notice			
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.		
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.		
5	Continue Select	Divided message system	string	NC	No divided message		
6	Parameter	Parameter					
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10		
				10	Input ST1		
				11	Input ST2		
	gain						
	Mic	Mic gain	string	0 to 40	+20 dB to +60 dB	See 6.5 Input Gain Table.	
	Level	Level	string	0 to 511	-120 dB to +10 dB	See 6.1 Fader Table.	
	Mute	Mute	string	0	Disable		
				1	Enable		
7	End Character	Message end character	binary	0x0d	CR		

5.2.3 Output Level Setting Notice

Output Level Setting Notice is sent when the ATDM-1012 changes the level settings of the output channel.

It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD_output_level_notice_0000_00_NC_9,511_↵

Table 5-4 Command Format

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	output_level_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
Level	Level	string	0 to 511	-120 dB to +10 dB	See 6.1 Fader Table.	
7	End Character	Message end character	binary	0x0d	CR	

5.2.4 Output Mute Setting Notice

Output Mute Setting Notice is sent when the ATDM-1012 changes the mute settings of the output channel. It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD_output_mute_notice_0000_00_NC_9,1_↵

Table 5-5 Command Format

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	output_mute_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Output Channel Select	Output channel select	string	0 to 7	Output Channel 1 to 8	
				8	Output ST1	
				9	Output ST2	
	Mute	Mute	string	0	Disable	
1				Enable		
7	End Character	Message end character	binary	0x0d	CR	

5.2.5 Operator Page Channel Setting Notification

Operator Page Channel Setting Notification is sent when the ATDM-1012 changes the level settings of the page for an operator.

It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD_operator_channel_notice_0000_00_NC_8,100,1,8

Table 5-6 Command Format

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	operator_channel_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Fader Channel	Fader channel number	string	1 to 8	Fader 1 to 8	
	Level	Level	string	0 to 100	0 to 100	1.0step
	Mute	Mute	string	0	No Mute	
				1	Mute	
Page	Page number	string	1 to 8	Page 1 to 8		
7	End Character	Message end character	binary	0x0d	CR	

5.2.6 Array Mic Mute Status Notice

Array Mic Mute Status Notice is sent when the ATDM-1012 changes the Mute state of Array Mic. It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD_arraymic_mute_notice_0000_00_NC_1,1_↵

Table 5-7 Command Format

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	arraymic_mute_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Mute	Mute	string	0	No mute	
				1	Mute	
	Virtual Mic	Virtual Mic	string	0	Virtual Mic 1	
				1	Virtual Mic 2	
7	End Character	Message end character	binary	0x0d	CR	

5.2.7 Recording Status Notification

Recording Status Notification is sent when the ATDM-1012 changes the SS-R200 recording state. It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD_rec_status_notice_0000_00_NC_1

Table 5-8 Command Format

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	rec_status_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter Recorder Status	Parameter Recorder status	string	0	Stopped	
				1	Recording	
				2	Recording paused	
				3	Replaying	
				4	Replaying paused	
7	End Character	Message end character	binary	0x0d	CR	

5.2.8 Preset Call Notification

Preset Call Notification is sent when the ATDM-1012 calls preset.

It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD recall_preset_notice_0000_00_NC_1

Table 5-9 Command Format

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	recall_preset_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Bank Number	Bank number	string	1 to 8	Bank 1 to 8	
7	End Character	Message end character	binary	0x0d	CR	

5.2.9 Partial Preset Call Notification

Partial Preset Call Notification is sent when the ATDM-1012 calls partial preset.

It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD recall_partial_preset_notice_0000_00_NC_1↵

Table 5-10 Command Format

No	item	Description	type	value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	recall_partial_preset_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Partial Preset Number	Partial preset number	string	1 to 40	Partial preset number	
7	End Character	Message end character	binary	0x0d	CR	

5.2.10 Open Channel State Notice

When Smart Mix is set to Enable and the Active information is changed from the ATDM-1012, an Open Channel State Notice will be sent. It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD_open_channel_notice_0000_00_NC_9,4,1_↵

Table 5-11 Command Format

No	item	Description	type	Value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	open_channel_notice		
3	Device ID	Individual number	string	0000 to 0999	See <u>Table 2-8</u> .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See <u>Table 2-8</u> .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel Select	Input channel select	string	0 to 9	Input Channel 1 to 10	
	Smart Mix Group	Smart Mix Group	string	1 to 4	SmartMix Group 1 to 4	
	Status	Open state	string	0 1	Close Open	
7	End Character	Message end character	binary	0x0d	CR	

5.2.11 Can Cut Notice

When Smart Mix is set to Gate and the Priority and Can Cut information is changed from the ATDM-1012, a Can Cut Status Notice will be sent. It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD_cancut_notice_0000_00_NC_0,0,0,0,0,0,0,0,0,0,0

Table 5-12 Command Format

No	item	Description	type	Value	value description	remarks
1	Modify	MD	string	MD		
2	Command	Command string	string	cancut_notice		
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8 .	
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8 .	
5	Continue Select	Divided message system	string	NC	No divided message	
6	Parameter	Parameter				
	Input Channel 1	Input 1	string	0	Either Priority or Cancut is OFF	
				1	Both Priority and Cancut are ON	
	Input Channel 2	Input 2				Same as Input Channel 1
	Input Channel 3	Input 3				Same as Input Channel 1
	Input Channel 4	Input 4				Same as Input Channel 1
	Input Channel 5	Input 5				Same as Input Channel 1
	Input Channel 6	Input 6				Same as Input Channel 1
	Input Channel 7	Input 7				Same as Input Channel 1
	Input Channel 8	Input 8				Same as Input Channel 1
	Input Channel 9	Input 9				Same as Input Channel 1
Input Channel 10	Input 10				Same as Input Channel 1	
7	End Character	Message end character	binary	0x0d	CR	

5.2.12 FBS Notice

When howling is detected by FBS from the ATDM-1012, an FBS Notice will be sent. It is not sent when IP Control Setting Notification is 0 (not used) in the network setting.

MD_fbs_notice_0000_00_NC_0,0,0,0,0,0,0,0,0,0,0,0_↓

Table 5-13 Command Format

No	item	Description	type	value	value description	remarks	
1	Modify	MD	string	MD			
2	Command	Command string	string	fbs_notice			
3	Device ID	Individual number	string	0000 to 0999	See Table 2-8 .		
4	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8 .		
5	Continue Select	Divided message system	string	NC	No divided message		
6	Parameter	Parameter					
	Channel Select	Channel select	string	0 to 9	Input Channel 1 to 10		
				12 to 19	Output Channel 1 to 8		
				20	Output ST1		
				21	Output ST2		
	Processing Type	Processing type	string	0	Reset		
				1	All Static		
				2	Copy to EQ	Only Output Channel	
				3	Band Setting		
	Enable	Enable/Disable	string	0	Off		
				1	On		
	Band1						
	Static	Static select	string	0	Off		
				1	On(static)		
	Frequency	Frequency	string	0 to 480	20 Hz to 20 kHz	See 6.2 Frequency Table.	
	Gain	Gain	string	0 to 72	-18 dB to +18 dB	See 6.4 EQ Gain Table.	
	Q Value	Q value	string	0 to 31	0.3 to 60	See 6.3 Q Value Table.	
	Band2						Same as Band 1
	Band3						Same as Band 1
	Band4						Same as Band 1
	Band5						Same as Band 1

No	item	Description	type	value	value description	remarks
	Band6					Same as Band 1
	Band7					Same as Band 1
	Band8					Same as Band 1
7	End Character	Message end character	binary	0x0d	CR	

5.2.13 IP Control Start Notification

IP Control Start Notification is sent when IP Control is enabled after power up.

MD_ip_control_start_notice_0000_00_NC_1

Table 5-14 Command Format

No	Item	Description	type	Value	value description	remarks
1.	Modify	MD	string	MD		
2.	Command	Command string	string	ip_control_start_notice		
3.	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4.	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5.	Continue Select	Divided message system	string	NC	No divided message	
6.	Parameter	Parameter				
	Start	Start flag	string	1	Start flag	
7.	End Character	Message end character	binary	0x0d	CR	

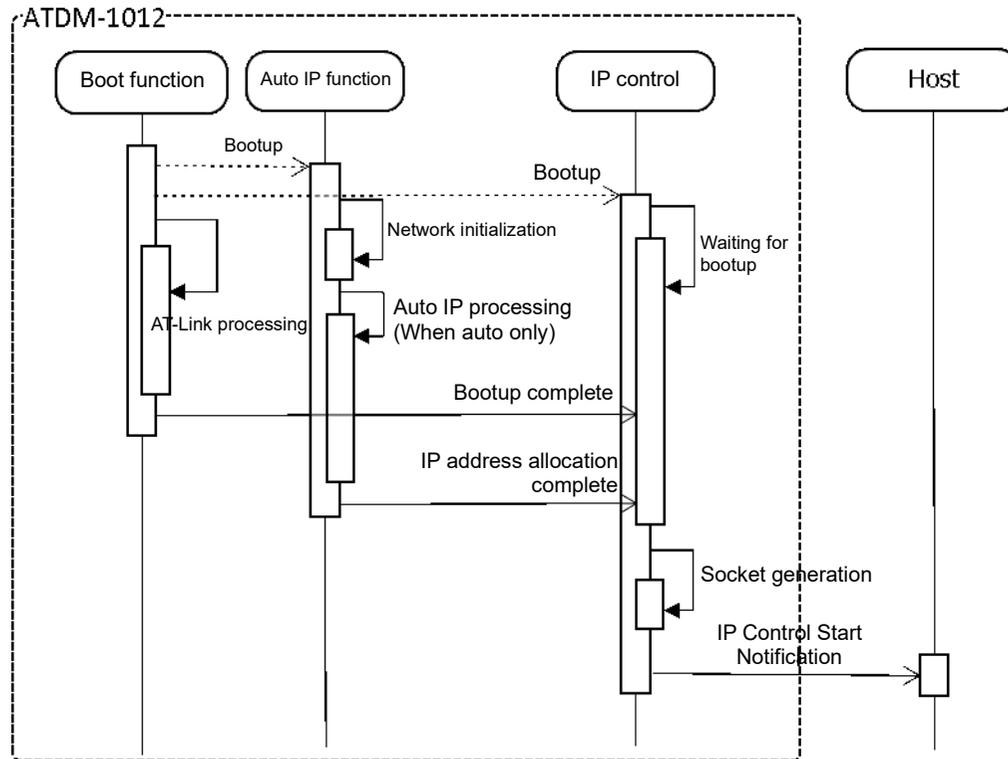


Figure 5-2 IP Control Start Notification Processing Sequence

5.2.14 Connected Device Status Notification

Connected Device Status Notification is sent when there is a change in the connected peripheral device.

MD_peripheral_status_notice_0000_00_NC_4,0,0,0,10,10,0,0,7,7,0,0_↵

Table 5-15 Command Format

No	Item	Description	type	Value	value description	remarks
1.	Modify	MD	string	MD		
2.	Command	Command string	string	peripheral_status_notice		
3.	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4.	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5.	Continue Select	Divided message system	string	NC	No divided message	
6.	Parameter	Parameter				
	ATCP	Number of ATCP units				
	Port A	Number of units connected to Port A	string	0 to 255	Number of connected devices	The number of devices that can be connected varies from device to device.
	Port B	Number of units connected to Port B	string	0 to 255	Number of connected devices	
	Reserved	Reserved	string			Not used
	Reserved	Reserved	string			Not used
	ATND					Same as ATCP
	ESW					Same as ATCP
7.	End Character	Message end character	binary	0x0d	CR	

5.2.15 Connected Device Status Notification 2

Connected Device Status Notification 2 is sent when there is a change in the connected peripheral device.

MD_peripheral_status_notice2_0000_00_NC_C2,11,0,0,0_↵

Table 5-16 Command Format

No	Item	Description	type	Value	value description	remarks
	Modify	MD	string	MD		
	Command	Command string	string	peripheral_status_notice2		
	Device ID	Individual number	string	0000 to FFFF	See Table 2-3.	
	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-3.	
	Continue Select	Divided message system	string	NC	No divided message	
	Parameter	Parameter				
	Unit ID	Unit ID	string	00 to FF	Unit ID	See 6.7.
	Port A	Number of units connected to Port A	string	0 to 255	Number of connected devices	The number of devices that can be connected varies from device to device.
	Port B	Number of units connected to Port B	string	0 to 255	Number of connected devices	
	Port C	Number of units connected to Port C	string	0 to 255	Number of connected devices	
	Port D	Number of units connected to Port D	string	0 to 255	Number of connected devices	
	End Character	Message end character	binary	0x0d	CR	

5.2.16 Connected Device Information Notification

Connected Device Information Notification is sent when there is a change in the connected peripheral device.

**MD peripheral_info_notice_0000_00_NC_C0,99999999,"",01.00.00,1,B001,00
00000000a,999_↵**

Table 5-17 Command Format

No	Item	Description	type	Value	value description	remarks
1.	Modify	MD	string	MD		
2.	Command	Command string	string	peripheral_info_notice		
3.	Device ID	Individual number	string	0000 to 0999	See Table 2-8.	
4.	Unit ID /Category ID	Model number/category number	string	00 to FF	See Table 2-8.	
5.	Continue Select	Divided message system	string	NC	No divided message	
6.	Parameter	Parameter				
	Unit ID	Unit ID	string	00 to FF	Unit ID	See 6.7.
	Serial Number	Serial number	string	0 to 99999999	Serial number	
	Device Name	Name	string	“ UTF-8 “	Beginning of character string 10 characters End of character string	To contain double quotation marks (“), they are set in succession like “““.
	version	Version	string	XX.XX.XX	Version	
	Connect Status	Connection status	string	0 1	Not connected Connected	
	Topology Number	Topology number	string	A001 to B999	Connected port and topology number information	
	MAC Address	MAC address	string	XXXXXXXXYYYYYY	MAC address	
	Device ID	Device ID	string	0 to 999	Device ID of the connected device	
7.	End Character	Message end character	binary	0x0d	CR	

6 Appendix

6.1 Fader Table

Value	Data[dB]	Value	Data[dB]	Value	Data[dB]	Value	Data[dB]	Value	Data[dB]	Value	Data[dB]	Value	Data[dB]	Value	Data[dB]
0	-Infinity	64	-63.5	128	-36.6	192	-23.8	256	-15.5	320	-9.1	384	-2.7	448	3.7
1	-120.0	65	-63.0	129	-36.4	193	-23.6	257	-15.4	321	-9.0	385	-2.6	449	3.8
2	-118.0	66	-62.5	130	-36.2	194	-23.4	258	-15.3	322	-8.9	386	-2.5	450	3.9
3	-116.0	67	-62.0	131	-36.0	195	-23.2	259	-15.2	323	-8.8	387	-2.4	451	4.0
4	-114.0	68	-61.5	132	-35.8	196	-23.0	260	-15.1	324	-8.7	388	-2.3	452	4.1
5	-112.0	69	-61.0	133	-35.6	197	-22.8	261	-15.0	325	-8.6	389	-2.2	453	4.2
6	-110.0	70	-60.5	134	-35.4	198	-22.6	262	-14.9	326	-8.5	390	-2.1	454	4.3
7	-108.0	71	-60.0	135	-35.2	199	-22.4	263	-14.8	327	-8.4	391	-2.0	455	4.4
8	-106.0	72	-59.5	136	-35.0	200	-22.2	264	-14.7	328	-8.3	392	-1.9	456	4.5
9	-104.0	73	-59.0	137	-34.8	201	-22.0	265	-14.6	329	-8.2	393	-1.8	457	4.6
10	-102.0	74	-58.5	138	-34.6	202	-21.8	266	-14.5	330	-8.1	394	-1.7	458	4.7
11	-100.0	75	-58.0	139	-34.4	203	-21.6	267	-14.4	331	-8.0	395	-1.6	459	4.8
12	-99.0	76	-57.5	140	-34.2	204	-21.4	268	-14.3	332	-7.9	396	-1.5	460	4.9
13	-98.0	77	-57.0	141	-34.0	205	-21.2	269	-14.2	333	-7.8	397	-1.4	461	5.0
14	-97.0	78	-56.5	142	-33.8	206	-21.0	270	-14.1	334	-7.7	398	-1.3	462	5.1
15	-96.0	79	-56.0	143	-33.6	207	-20.8	271	-14.0	335	-7.6	399	-1.2	463	5.2
16	-95.0	80	-55.5	144	-33.4	208	-20.6	272	-13.9	336	-7.5	400	-1.1	464	5.3
17	-94.0	81	-55.0	145	-33.2	209	-20.4	273	-13.8	337	-7.4	401	-1.0	465	5.4
18	-93.0	82	-54.5	146	-33.0	210	-20.2	274	-13.7	338	-7.3	402	-0.9	466	5.5
19	-92.0	83	-54.0	147	-32.8	211	-20.0	275	-13.6	339	-7.2	403	-0.8	467	5.6
20	-91.0	84	-53.5	148	-32.6	212	-19.9	276	-13.5	340	-7.1	404	-0.7	468	5.7
21	-90.0	85	-53.0	149	-32.4	213	-19.8	277	-13.4	341	-7.0	405	-0.6	469	5.8
22	-89.0	86	-52.5	150	-32.2	214	-19.7	278	-13.3	342	-6.9	406	-0.5	470	5.9
23	-88.0	87	-52.0	151	-32.0	215	-19.6	279	-13.2	343	-6.8	407	-0.4	471	6.0
24	-87.0	88	-51.5	152	-31.8	216	-19.5	280	-13.1	344	-6.7	408	-0.3	472	6.1
25	-86.0	89	-51.0	153	-31.6	217	-19.4	281	-13.0	345	-6.6	409	-0.2	473	6.2
26	-85.0	90	-50.5	154	-31.4	218	-19.3	282	-12.9	346	-6.5	410	-0.1	474	6.3
27	-84.0	91	-50.0	155	-31.2	219	-19.2	283	-12.8	347	-6.4	411	0.0	475	6.4
28	-83.0	92	-49.5	156	-31.0	220	-19.1	284	-12.7	348	-6.3	412	0.1	476	6.5
29	-82.0	93	-49.0	157	-30.8	221	-19.0	285	-12.6	349	-6.2	413	0.2	477	6.6
30	-81.0	94	-48.5	158	-30.6	222	-18.9	286	-12.5	350	-6.1	414	0.3	478	6.7
31	-80.0	95	-48.0	159	-30.4	223	-18.8	287	-12.4	351	-6.0	415	0.4	479	6.8
32	-79.5	96	-47.5	160	-30.2	224	-18.7	288	-12.3	352	-5.9	416	0.5	480	6.9
33	-79.0	97	-47.0	161	-30.0	225	-18.6	289	-12.2	353	-5.8	417	0.6	481	7.0
34	-78.5	98	-46.5	162	-29.8	226	-18.5	290	-12.1	354	-5.7	418	0.7	482	7.1
35	-78.0	99	-46.0	163	-29.6	227	-18.4	291	-12.0	355	-5.6	419	0.8	483	7.2
36	-77.5	100	-45.5	164	-29.4	228	-18.3	292	-11.9	356	-5.5	420	0.9	484	7.3
37	-77.0	101	-45.0	165	-29.2	229	-18.2	293	-11.8	357	-5.4	421	1.0	485	7.4
38	-76.5	102	-44.5	166	-29.0	230	-18.1	294	-11.7	358	-5.3	422	1.1	486	7.5
39	-76.0	103	-44.0	167	-28.8	231	-18.0	295	-11.6	359	-5.2	423	1.2	487	7.6
40	-75.5	104	-43.5	168	-28.6	232	-17.9	296	-11.5	360	-5.1	424	1.3	488	7.7
41	-75.0	105	-43.0	169	-28.4	233	-17.8	297	-11.4	361	-5.0	425	1.4	489	7.8
42	-74.5	106	-42.5	170	-28.2	234	-17.7	298	-11.3	362	-4.9	426	1.5	490	7.9
43	-74.0	107	-42.0	171	-28.0	235	-17.6	299	-11.2	363	-4.8	427	1.6	491	8.0
44	-73.5	108	-41.5	172	-27.8	236	-17.5	300	-11.1	364	-4.7	428	1.7	492	8.1
45	-73.0	109	-41.0	173	-27.6	237	-17.4	301	-11.0	365	-4.6	429	1.8	493	8.2
46	-72.5	110	-40.5	174	-27.4	238	-17.3	302	-10.9	366	-4.5	430	1.9	494	8.3
47	-72.0	111	-40.0	175	-27.2	239	-17.2	303	-10.8	367	-4.4	431	2.0	495	8.4
48	-71.5	112	-39.8	176	-27.0	240	-17.1	304	-10.7	368	-4.3	432	2.1	496	8.5
49	-71.0	113	-39.6	177	-26.8	241	-17.0	305	-10.6	369	-4.2	433	2.2	497	8.6
50	-70.5	114	-39.4	178	-26.6	242	-16.9	306	-10.5	370	-4.1	434	2.3	498	8.7
51	-70.0	115	-39.2	179	-26.4	243	-16.8	307	-10.4	371	-4.0	435	2.4	499	8.8
52	-69.5	116	-39.0	180	-26.2	244	-16.7	308	-10.3	372	-3.9	436	2.5	500	8.9
53	-69.0	117	-38.8	181	-26.0	245	-16.6	309	-10.2	373	-3.8	437	2.6	501	9.0
54	-68.5	118	-38.6	182	-25.8	246	-16.5	310	-10.1	374	-3.7	438	2.7	502	9.1
55	-68.0	119	-38.4	183	-25.6	247	-16.4	311	-10.0	375	-3.6	439	2.8	503	9.2
56	-67.5	120	-38.2	184	-25.4	248	-16.3	312	-9.9	376	-3.5	440	2.9	504	9.3
57	-67.0	121	-38.0	185	-25.2	249	-16.2	313	-9.8	377	-3.4	441	3.0	505	9.4
58	-66.5	122	-37.8	186	-25.0	250	-16.1	314	-9.7	378	-3.3	442	3.1	506	9.5
59	-66.0	123	-37.6	187	-24.8	251	-16.0	315	-9.6	379	-3.2	443	3.2	507	9.6
60	-65.5	124	-37.4	188	-24.6	252	-15.9	316	-9.5	380	-3.1	444	3.3	508	9.7
61	-65.0	125	-37.2	189	-24.4	253	-15.8	317	-9.4	381	-3.0	445	3.4	509	9.8
62	-64.5	126	-37.0	190	-24.2	254	-15.7	318	-9.3	382	-2.9	446	3.5	510	9.9
63	-64.0	127	-36.8	191	-24.0	255	-15.6	319	-9.2	383	-2.8	447	3.6	511	10.0

6.3 Q Value Table

#	Quality
0	0.3
1	0.35
2	0.41
3	0.47
4	0.55
5	0.64
6	0.75
7	0.87
8	1
9	1.2
10	1.4
11	1.6
12	1.9
13	2.2
14	2.5
15	3
16	3.5
17	4
18	4.5
19	5
20	6
21	7
22	8.4
23	10
24	12
25	14
26	16
27	19
28	22
29	25
30	30
31	60

6.4 EQ Gain Table

#	Gain	#	Gain	#	Gain
0	-18	25	-5.5	50	7
1	-17.5	26	-5	51	7.5
2	-17	27	-4.5	52	8
3	-16.5	28	-4	53	8.5
4	-16	29	-3.5	54	9
5	-15.5	30	-3	55	9.5
6	-15	31	-2.5	56	10
7	-14.5	32	-2	57	10.5
8	-14	33	-1.5	58	11
9	-13.5	34	-1	59	11.5
10	-13	35	-0.5	60	12
11	-12.5	36	0	61	12.5
12	-12	37	0.5	62	13
13	-11.5	38	1	63	13.5
14	-11	39	1.5	64	14
15	-10.5	40	2	65	14.5
16	-10	41	2.5	66	15
17	-9.5	42	3	67	15.5
18	-9	43	3.5	68	16
19	-8.5	44	4	69	16.5
20	-8	45	4.5	70	17
21	-7.5	46	5	71	17.5
22	-7	47	5.5	72	18
23	-6.5	48	6		
24	-6	49	6.5		

6.5 Input Gain Table

Value	Mic [dB]	Line [dB]	Aux [dB]	Value	Mic [dB]	Line [dB]	Aux [dB]
0	20	20	-30	21	41	41	-9
1	21	21	-29	22	42	42	-8
2	22	22	-28	23	43	43	-7
3	23	23	-27	24	44	44	-6
4	24	24	-26	25	45	45	-5
5	25	25	-25	26	46	46	-4
6	26	26	-24	27	47	47	-3
7	27	27	-23	28	48	48	-2
8	28	28	-22	29	49	49	-1
9	29	29	-21	30	50	50	0
10	30	30	-20	31	51	51	1
11	31	31	-19	32	52	52	2
12	32	32	-18	33	53	53	3
13	33	33	-17	34	54	54	4
14	34	34	-16	35	55	55	5
15	35	35	-15	36	56	56	6
16	36	36	-14	37	57	57	7
17	37	37	-13	38	58	58	8
18	38	38	-12	39	59	59	9
19	39	39	-11	40	60	60	10
20	40	40	-10				

6.6 Transfer data type

No	Item	Description	Type	Value	Value Description	Remarks
1	kind	Transfer data type	string	p1 to p8	Preset 1 to 6	
2				i1 to i20	4Band PEQ	Input (4Band PEQ)
3				iall	All 4Band PEQ	
4				o1 to o20	12Band PEQ	Output (12Band PEQ)
5				oall	All 12Band PEQ	
6				l1 to l2	Language file 1 to 2	
7				log	Logging file	

6.7 Unit ID

No	Model Name	Description	Value	Remarks
1	ATCP-W01	Control Panel(Encoder only)	80	
2	ATCP-W02	Control Panel(Button & Encoder)	81	
3	ESW-R4180LK	ES Wireless	C0	
4	ATND1061LK	Ceiling Microphone Array	C1	
5	ATSP-30LK	Network Speaker	C2	

6.8 Operator Fader Table

Value	dB	Value	dB	Value	dB	Value	dB
100.0	10.0	70.0	0.0	40.0	-10.0	10.0	-40.0
99.0	9.8	69.0	-0.6	39.0	-11.0	9.0	-42.0
98.0	9.6	68.0	-1.2	38.0	-12.0	8.0	-44.0
97.0	9.4	67.0	-1.7	37.0	-13.0	7.0	-46.0
96.0	9.2	66.0	-2.2	36.0	-14.0	6.0	-48.0
95.0	9.0	65.0	-2.7	35.0	-15.0	5.0	-50.0
94.0	8.8	64.0	-3.1	34.0	-16.0	4.0	-55.0
93.0	8.5	63.0	-3.6	33.0	-17.0	3.0	-60.0
92.0	8.3	62.0	-4.0	32.0	-18.0	2.0	-65.0
91.0	8.0	61.0	-4.3	31.0	-19.0	1.0	-70.0
90.0	7.8	60.0	-4.7	30.0	-20.0	0.0	$-\infty$
89.0	7.5	59.0	-5.1	29.0	-21.0		
88.0	7.3	58.0	-5.5	28.0	-22.0		
87.0	7.0	57.0	-5.8	27.0	-23.0		
86.0	6.7	56.0	-6.1	26.0	-24.0		
85.0	6.4	55.0	-6.4	25.0	-25.0		
84.0	6.1	54.0	-6.7	24.0	-26.0		
83.0	5.8	53.0	-7.0	23.0	-27.0		
82.0	5.5	52.0	-7.3	22.0	-28.0		
81.0	5.1	51.0	-7.5	21.0	-29.0		
80.0	4.7	50.0	-7.8	20.0	-30.0		
79.0	4.3	49.0	-8.0	19.0	-31.0		
78.0	4.0	48.0	-8.3	18.0	-32.0		
77.0	3.6	47.0	-8.5	17.0	-33.0		
76.0	3.1	46.0	-8.8	16.0	-34.0		
75.0	2.7	45.0	-9.0	15.0	-35.0		
74.0	2.2	44.0	-9.2	14.0	-36.0		
73.0	1.7	43.0	-9.4	13.0	-37.0		
72.0	1.2	42.0	-9.6	12.0	-38.0		
71.0	0.6	41.0	-9.8	11.0	-39.0		

6.9 Version Cross-reference Table

Doc. ver.	ATDM1012 FW version										
	1.0.0	1.1.4	2.0.0	2.0.1	2.0.2	2.0.3	2.1.2	2.2.0	2.2.1	2.2.2	2.3.0
1.0	○	○	○	○	○	○	○	○	○	○	○
1.1	×	×	×	○	○	○	○	○	○	○	○
1.3	×	×	×	×	×	○	○	○	○	○	○
1.4	×	×	×	×	×	×	○	○	○	○	○
1.5	×	×	×	×	×	×	×	○	○	○	○
1.6	×	×	×	×	×	×	×	×	×	×	○