MTX Commands User Manual

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AUDAC 1

Introduction

Welcome to the command user manual of the AUDAC MTX48 and MTX48 . For more info about the MTX48 and MTX88 see the user manual.

Input list

1   Mic 1
2   Mic 2
3   Line 3
4   Line 4
5   Line 5
6   Line 6
7   WLI/MWX65
8   WMI

Output list

1   Zone 1
2   Zone 2
3   Zone 3
4   Zone 4
5   Zone 5
6   Zone 6
7   Zone 7
8   Zone 8

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Using the commands

The MTX has 3 communication ports which all accept the same commands:
- RS232 port
- RS485 ports
- TCP/IP

The RS232/RS485 ports must be configured with 19200 baud, 8 data bits, 1 stop bit, no parity

The TCP/IP port accepts command's at port 5001. The MTX accepts maximum 1 simultaneous TCP/IP connection.

Command overview

StartsymbolIdestinationIsourceIcommandIargument'sIchecksumIstopsymbol

Example: Set volume zone 1 to −30dB
ASCII   *#IX001IwebISV1I30IUIreturn*

Important:
– The address of the MTX is fixed at X001.
– The checksum is CRC−16 excluding the '#'. You can replace the checksum with
  'U', this is always accepted as checksum.
– return = 0x0d 0x0a
– source address has a maximum length of 4 characters and cannot contain "I" or
  "#"

Command flow
1) The client sends a command to the MTX
2) The MTX acknowledges the command by returning the same command and a '+' as Argument.
3) The MTX updates all client's with the new information

All volume, routing and tone settings will be lost if the device is switched off. To keep the changes you must save them with the "SAVE" command. All device settings that are configured through the configuration page of the website are saved automatically with every change.

SVx

Set output volume of a zone to a level
        Command: SVx, with x the zone where the volume should be changed.
        Arguments: Volume in neg db, 0 is maximum volume, 70 is minimum volume

Example
        Set volume in zone 2 to −40dB
        Command   #|X001|web|SV2|40|U|return
        Answer   #|web|X001|SV2|+|U|return
        Update   #|ALL|X001|V02|40|7378|return

SVU0x

Set volume up with 3dB
        Command: SVU0x, with x the zone where the volume should be changed.
        Arguments: 0 (none)

Example
        Current is Volume −30db, set volume up with 3dB in zone 1
        Command   #|X001|web|SVU01|0|U|return
        Answer   #|web|X001|SVU01|+|U|return
        Update   #|ALL|X001|V01|27|U|return

SVD0x

Set volume down with 3dB
        Command: SVD0x, with x the zone where the volume should be changed.
        Arguments: 0 (none)

Example
        Current volume is −27db, set volume down with 3dB in zone 1
        Command   #|X001|web|SVD01|0|U|return
        Answer   #|web|X001|SVD01|+|U|return
        Update   #|ALL|X001|V01|30|U|return

SRx

Set routing in a zone (select input)
        Command: SRx, with x the zone where the routing should be changed.
        Arguments: input (0−8)

Example
        Select Line 3 as input for zone1
        Command   #|X001|web|SR1|3|U|return
        Answer   #|web|X001|SR1|+|U|return
        Update   #|ALL|X001|R01|3|3dc5|return SRU0x

SRU0x

Set Routing up in a zone
> Command: SRU0x, with x the zone where the routing should be changed.
> Arguments: 0 (none)

Remark
> The inputs that are disabled in the input selection menu on the website will be skipped.

Example
> Increase routing for zone 1
> Command   #|X001|web|SRU01|0|U|return
> Answer   #|web|X001|SRU01|+|U|return
> Update   #|ALL|X001|R01|5|U|return

SRD0x

Set Routing down in a zone
> Command: SRD0x, with x the zone where the routing should be changed.
> Arguments: 0 (none)

Remark
> The inputs that are disable in the input selection menu on the website will be skipped.

Example
> Decrease routing in zone 1
> Command   #|X001|web|SRD01|0|U |return
> Answer   #|web|X001|SRD01|+|U |return
> Update   #|ALL|X001|R01|4|U |return

SB0x

Set bass in a zone
> Command: SB0x, with x the zone where the bass should be changed.
> Arguments: from 0 to 14. (from −14dB to +14dB in 2dB steps with 7 = 0dB)

Example
> Set bass to +2dB in zone 1
> Command   #|X001|web|SB01|8|U|return
> Answer   #|web|X001|SB01|+|U|return
> Update   #|ALL|X001|B01|8|9dc0|return

ST0x

Set treble in a zone
>Command: ST0x, with x the zone where the treble should be changed.
>Arguments: from 0 to 14. (from −14dB to +14dB in 2dB steps with 7 = 0dB)

Example
>Set treble to −4dB in zone 1
>Command   #|X001|web|ST01|5|U|return
>Answer   #|web|X001|ST01|+|U|return
>Update   #|ALL|X001|T01|5|fbc6|return

SM0x

Set mute state in a zone
>Command: SM0x, with x the zone where the mute should be changed.
>Arguments: 0 (disable) or 1 (output muted)

Example
>Enable mute in zone 1
>Command   #|X001|web|SM01|1|U|return
>Answer   #|web|X001|SM01|+|U|return
>Update   #|ALL|X001|M01|1|32c6|return

GVALL

Get volume info for all zones
>Command: GVALL
>Arguments: 0 (none)

Example
>Command   #|X001|web|GVALL|0|U|return
>Answer   #|web|X001|VALL|40^40^20^20^20^20^20^20|U|return

GRALL

Get Routing info for all zones
>Command: GRALL
>Arguments: 0 (none)

Example
>Command   #|X001|web|GVALL|0|U|return
>Answer   #|web|X001| RALL|3^1^1^1^1^1^1^1|U|return

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GMALL

Get Mute info for all zones
  Command: GMALL
  Arguments: 0 (none)

Example
  Command #|X001|web|GMALL|0|U|return
  Answer #|web|X001| MALL|0^0^0^0^0^0^0|U|return

GVOx

Get Volume info for a zone
  Command: GVOx, with x the number of the zone
  Arguments: 0 (none)

Example
  Get routing info for zone 1
  Command #|X001|web| GV01|0|U|return
  Answer #|web|X001| V01|20|U|return

GROx

Get Routing info for a zone
  Command: GROx, with x the number of the zone
  Arguments: 0 (none)

Example
  Get routing info for zone 1
  Command #|X001|web| GR01|0|U|return
  Answer #|web|X001| R01|3|U|return

GMOx

Get Mute info for a zone
  Command: GMOx, with x the number of the zone
  Arguments: 0 (none)

Example
  Get routing info for zone 1
  Command #|X001|web| GM01|0|U|return
  Answer #|web|X001| M01|0|U|return

GBOx

Get bass info for a zone
  Command: GBOx, with x the number of the zone
  Arguments: 0 (none)

Example
  Get bass info for zone 1
  Command #|X001|web| GB01|0|U|return
  Answer #|web|X001| B01|07|U|return

GTOx

Get Treble info for a zone
      Command: GTOx, with x the number of the zone
      Arguments: 0 (none)

Example
      Get treble info for zone 1
      Command   #|X001|web| GTO1|0|U|return
      Answer   #|web|X001| TO1|07|U|return

GZIOx

Get volume, routing, mute, bass, treble info for 1 zone
      Command: GZIOx, with x the number of the zone
      Arguments: 0 (none)

Example
      Get info for zone 1
      Command   #|X001|web| GZI01|0|U|return
      Answer   #|web|X001| ZI01|20^3^0^07^07|U|return

SAVE

Save's the current zone settings (routing, volume, bass, treble)
      Command: SAVE
      Arguments: 0 (none)

Example
      Command   #|X001|web|SAVE|0|U|return
      Answer   #|web|X001|SAVE|+|U|return

DEF

All zone settings and device settings will be reset to factory default.
      Command: DEF
      Arguments: 0 (none)

Example
      Command   #|X001|web|DEF|0|U|return
      Answer   #|web|X001|DEF|+|U|return

GSV

Get the firmware version
      Command: GSV
      Arguments: 0 (none)

Example
      Command   #|X001|web|GSV|0|U|return
      Answer   #|web|X001|SV|V1.1|U|return

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