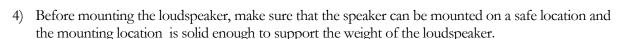PROFESSIONAL AUDIO EQUIPMENT

Design Wall Loudspeaker WS500

Installation Guide

Installation procedure

1) Before mounting the loudspeaker, the front grill should be removed to make the mounting holes accessible. The best method for removing the front grill is to push the lower side of the front grill up with your thumbs. The grill should easily slide up, without performing large forces.

2) When the lower side of the grill is pushed upwards, the attachment tabs on the bottom of the front grill should slide out of the mounting slots. The lower side of the front grill can be popped out. After this, the upper side can also be detached easily and the grill can be removed.

3) After the grill is removed, the two mounting holes are visible. One mounting hole is provided on the upper side, while the second mounting hole is provided on the lower side of the loudspeaker.
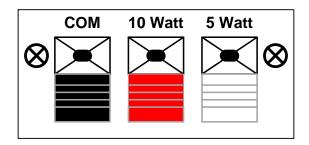
4) Before mounting the loudspeaker, make sure that the speaker can be mounted on a safe location and the mounting location is solid enough to support the weight of the loudspeaker.

5) Connect the terminals of the loudspeaker. More information about the connections can be found in the "Connections" section of this manual.

6) After the connections are made, a screw should be provided on the desired mounting location of the upper mounting hole. Once this screw is provided, the upper mounting hole should glide over the mounting screw. The loudspeaker is now hanging on one single screw.

7) Now the second mounting hole can be drawn. It is located 25.5 cm lower than the first mounting hole.

8) When both mounting points are provided, both screws can be inserted and tightened.

9) When the loudspeaker is suspended with both mounting points and the connections are made, the front grill can be placed again. This can be done by sliding the upper mounting tabs of the front grill into the provided slots, and afterwards sliding the lower mounting tabs into the provided slots.

Connections

To avoid electric shocks during installation, always switch of the amplifier power when connecting loudspeakers.

On the rear side of the loudspeaker three connection terminals are provided.
By means of selecting the appropriate connection terminals, the desired line transformer power tapping can be set, to be used in 100V public address applications.

Those connection terminals should be connected to the amplifier output. The COM connection terminal should always be connected with the COM output terminal of the Amplifier. When the loudspeaker should play at full power, the positive terminal of the amplifier output should be connected to the 10 Watt terminal (Red). When only half the power is needed, the positive terminal of the amplifier output should be connected to the 5 Watt terminal (White)

Connections for 100 Volt use:

COM	Black
10 Watt / 1000 Ohm	Red
5 Watt / 500 Ohm	White

When the loudspeaker is connected to 70.7V facilities, the power indicated in the table above will be reduced to half the power, and when connected to 50V facilities, the power will be reduced to a quarter.

When the desired power tap is selected and connected, the loudspeaker is ready to be used.

Technical Specifications

Max Power	20 Watt	
RMS Power	10 Watt	
Line Transformer Power taps	10 Watt	1000 Ohm
	5 Watt	500 Ohm
Line Voltage	100 V	
Driver impedance	8 Ohm	
Sensitivity 1W / 1m	92 ± 3 dB	
SPL Max W / 1m	102 dB	
Frequency response	150 Hz – 15 kHz	
Material	ABS	
Weight	1.62 Kg	
Speaker	6.5"	
Colour	White	
Material	ABS	