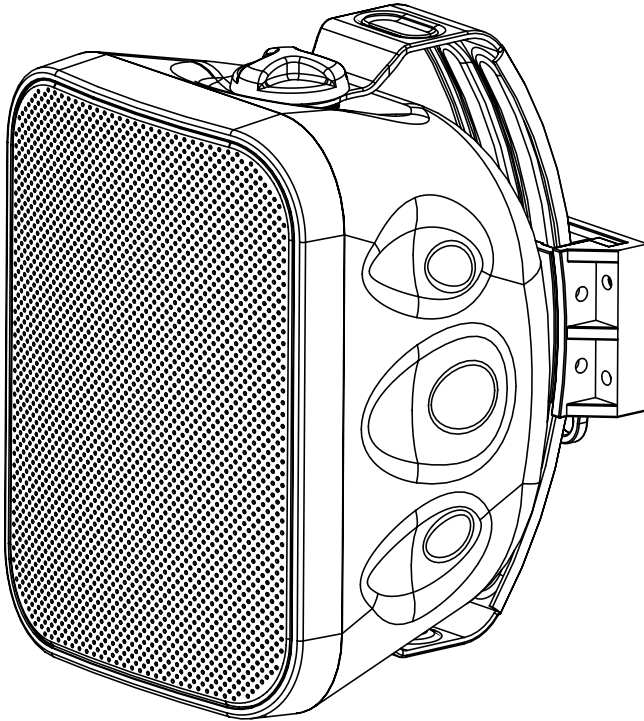


WSP60

Indoor/Outdoor Music Speaker

Operation Manual



Introduction

Thank you for buying the WSP60 wall-mount music speaker. Please read and have a thorough understanding of the entire manual before installation and use. Keep the manual for maintenance.

IMPORTANT

CLB Audio Visual has made every effort to provide accurate and detailed instruction for this product's assembly and installation. Should you have any doubts, consult a qualified professional audio installer. CLB Audio Visual recognizes no liability for any difficulty or problem derived from the interpretation of these instructions. All brackets, accessories and all supplied parts must only be used for the installation of this product as described in this information sheet. CLB, its commercial distributors and retailers are not, directly or indirectly, responsible for any damage to persons and or properties derived from the use of this product in an unsafe or different way for which it has been designed and constructed.

Several parts of this product are small pieces of hardware, therefore extreme care should be taken to keep them away from children.

Read these instructions carefully before using the product

- 1** Where speakers are installed on walls, check that the wall structure provides a reliable fixing point and that the speaker is firmly attached. The user should be responsible for a safe and correct installation.
- 2** Do not install the speakers on fine wood or soft wall material, screws can become loose which may result in the speaker coming away from the wall and possibly cause personal injury.
- 3** Do not use nails, adhesives or other unauthorized fixing methods. Long-term use and vibrations may cause non-approved fixing methods to fall easily.
- 4** Do not place the speakers on a turntable or movable support.
- 5** Do not touch or bump the woofer and tweeter. If these are damaged, the sound will be distorted.
- 6** Do not listen to sound at a very high level when you are changing the input source (for example, to tune FM /CD) Installation or removal of cables - make sure that the power amp / amplifier device is turned off.
- 7** Do not attempt to clean the speakers with chemical solvents as this may damage the paint surface. Clean with a dry cloth.

Users have full responsibility to place or install this product safely.

The speakers that are placed in the mounting bracket can be either wall or ceiling mounted. Screws are recommended to be used to fix the mounting bracket in position.

- 1.** Use the mounting bracket as a template to mark the locations of the hole slots.
- 2.** Then use the appropriate hardware and tools (not supplied) to properly fix the bracket to the wall/ceiling.
- 3.** Place the speakers on the bracket using the screws and washers provided.

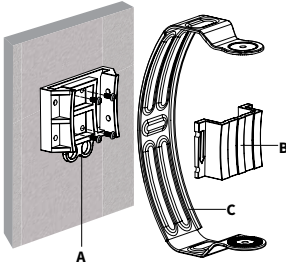
Connection

Connect the speaker terminals with appropriate cable to the output of the amplifier.

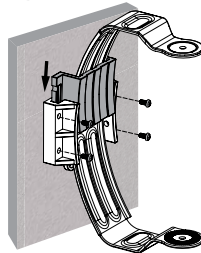
The speaker wire is normally marked positive (red) and negative (black). Ensure the positive output from the amplifier is connected to the positive input on the speaker, ensure the negative output of the amplifier is connected to the negative input on the speaker.

If the polarity of the speakers is reversed, the sound will be unnatural and could cause damage to the product.

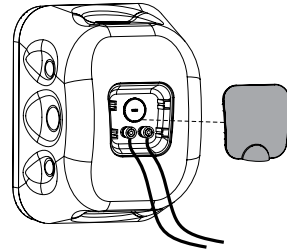
1 Fasten **A** to wall with 4 screws



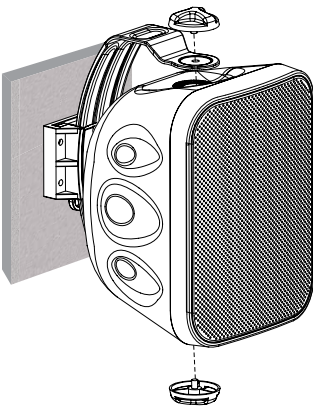
2 Attach **C** to **A** and lock **B** to **A**, with fasten screws



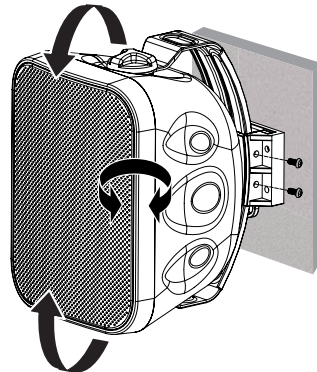
3 Wire the cable and cover with the waterproof rubber



4 Screw the two knobs

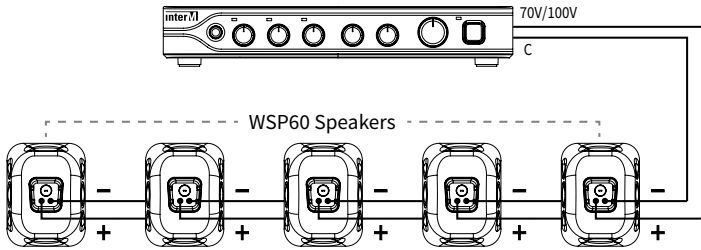


5 Fasten the screws after vertical and horizontal rotation



- Loudspeaker damage can be caused by amplifiers with too little power (wattage).
- An overdriven amplifier clips the waveforms and sends distortion to the speakers.
- Clipping is usually audible; it may vary from a harsh sound to a fuzzy or unclear sound.
- If you hear this condition at loud volume levels, turn down the volume until the distortion is no longer present.
- Damage caused by operating the speakers at distorted volume levels is not covered by the warranty.

Example 70/100v System Configuration

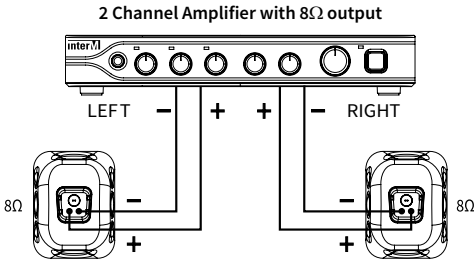


5 SPEAKERS CONNECTED IN PARALLEL USING 16W TAPS

NOTE: The total number of speakers multiplied by the tap value cannot exceed the output power (in watts) of the 70/100v amplifier. The above example shows 5 total speakers. Using the 16W taps, you will need an amplifier with at least $(5) \times (16) = 80W$. A good rule of thumb is to select an amplifier with 20% greater power; in this case, an amplifier that delivers about 100W.

Underpowering vs Overpowering

Observe correct Polarity for maximum Bass performance



2 SPEAKERS PER CHANNEL CONNECTED IN PARALLEL

Specifications

Frequency Response (-10dB)	60Hz ~ 20KHz
Sensitivity (1W/1M)	90dB
Impedance	8Ω
RMS power	60W
Peak power	120W
Transformer taps	70v: 32-16-8-4-2-1W & 8Ω 100v: 32-16-8-4-2W & 8Ω
IP protection rating	IP56
Dimensions (mm)	190(W) x 256(H) x 225(D)
Weight (Net)	2.5kg