

KS-12B

PAIR OF BLUETOOTH® CEILING LOUDSPEAKERS

PAREJA DE ALTAVOCES DE TECHO BLUETOOTH®

PAIRE DE HAUT-PARLEURS DE PLAFOND BLUETOOTH®

PAR DE COLUNAS DE TETO BLUETOOTH®



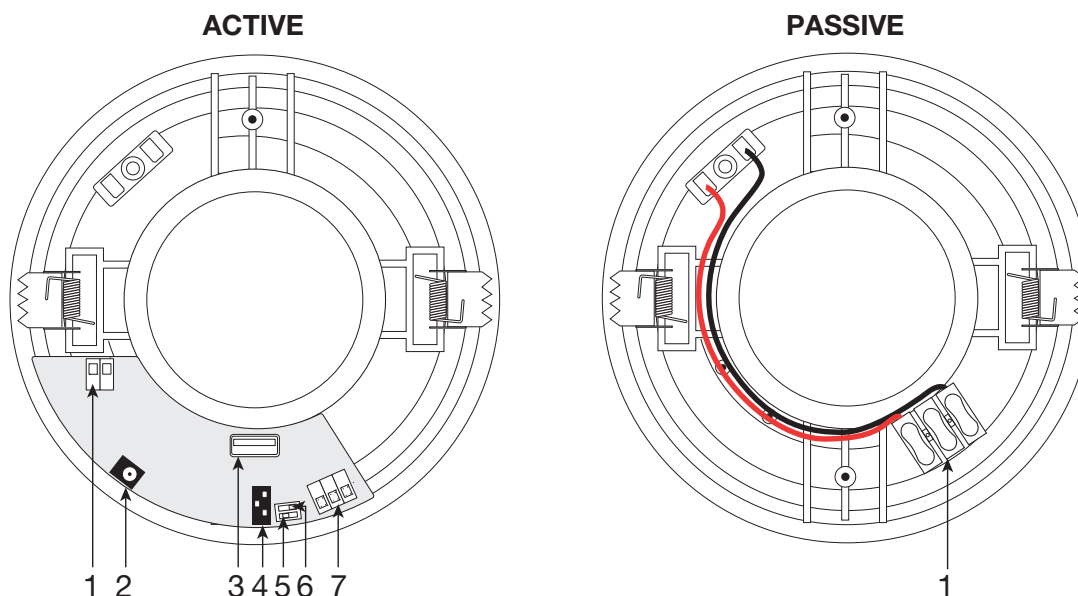
INSTRUCTION MANUAL/MANUAL DE USUARIO/
MODE D'EMPLOI/MANUAL DE INSTRUÇÕES

FONESTAR

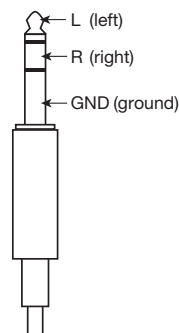
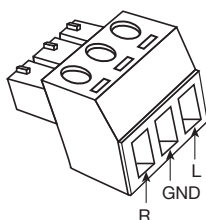
DESCRIPTION

- Ideal sound kit for offices and home, medium sized rooms, kitchens, etc., consisting of an active and a passive speaker, with coaxial 6" speakers and 1" tweeter.
- It has several audio sources: Bluetooth receiver, USB player and auxiliary input; expanding its possibilities and allowing you to enjoy music with a powerful and distortion-free sound.
- With 50% maximum volume limiter, setting a limit to ensure no disturbance. In addition, it has mono/ stereo selector for different configurations.
- Control is done using the included remote control.

CONTROLS AND FUNCTIONS



- 1.- **R SPK:** on the active speaker, speaker output for connection of the passive speaker, euroblock connector. On the passive speaker, audio input.
- 2.- **POWER IN:** power connection for the supplied 24 V DC, 3 A power adapter.
- 3.- **USB:** USB storage device connection USB port.
- 4.- **IR IN:** connection port for the remote control of the IR receiver, 3.5 mm jack connector.
IMPORTANT: the IR remote control receiver must be connected. Otherwise, the speaker will play beeps notifying that it is not connected.
- 5.- **STEREO/MONO:** microswitch 2 for audio operation configuration: mono or stereo.
 - a.- **MONO (ON position):** both speakers will play the same audio by mixing the right (R) and left (L) channels of the audio to be played.
 - b.- **STEREO:** each speaker will play one audio channel. The active speaker, will play audio over the left channel (L). The passive speaker will play audio over the right channel (R).
- 6.- **100%-50%:** microswitch 1 for setting the maximum audio volume (limiter): 50% (ON position) or 100%.
- 7.- **AUDIO IN:** stereo auxiliary audio input, euroblock connector. Connect the right channel to R, the left channel to L and the mesh to GND.

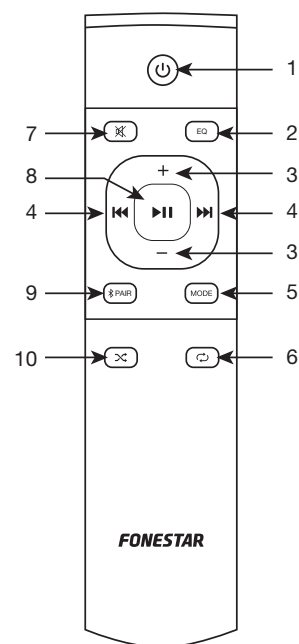


REMOTE CONTROL

- 1.- : on/StandBy amplifier button.

NOTE: the amplifier will switch to StandBy when it detects no signal on its inputs for 10 minutes. To activate it again you need to press the button  on the remote control.

- 2.- **EQ:** allows you to select between the following equalisations: FLAT (no equalisation), ROCK, POP, CLASSIC or JAZZ.
- 3.- **+/-:** amplifier volume controls.
- 4.- **⏮/⏭:** in USB and Bluetooth mode, a short press of these buttons allows you to select the Previous/Next song that is currently playing. Only in USB mode, a long press on these buttons allows you to Rewind/Fast Forward the playback.
- 5.- **MODE:** press this button successively to switch between modes: Bluetooth, AUX and USB. USB mode will also be activated when you insert the device into the USB port.
- 6.- : in USB mode, select the repeat mode:
 - REPEAT ONE: repeats 1 song.
 - REPEAT ALL: repeats everything.
- 7.- : turns the audio output on/off.
- 8.- **▶||:** in USB and Bluetooth mode, allows you to start/pause playback. In AUX mode, turns the audio output on/off.
- 9.- **⌘ PAIR:** button for pairing an audio transmitter device via Bluetooth. If it is already paired with another device, pressing this button will unpair and wait for it to be paired again.
- 10.- : in USB mode, select play mode:
 - RANDOM ON: plays all songs in random order.
 - RANDOM OFF: plays all songs in playback order.



OPERATION

Select the operating mode using the MODE button on the remote control. The speaker will indicate the mode name by means of a voice-over.

NOTE: the equipment will switch to StandBy when it detects no signal on its inputs for 10 minutes. To activate it again you need to press the button  on the remote control.

BLUETOOTH MODE

- Select BLUETOOTH mode on the **KS-12B**. The voice-over will say BLUETOOTH MODE.
- Open the Bluetooth settings screen on your smartphone or tablet to pair the **KS-12B**. Locate and select the KS-12B device and pair with it. The voice-over will say BLUETOOTH CONNECTED.

NOTE: this amplifier stores the last connected device in memory. You do not need to perform the pairing process if the same device is connected.

If it is already paired with another device that remains within bluetooth range and you want to unpair it, press the PAIR button. The **KS-12B** will unpair the device and wait to be paired again. The voice-over will say CONNECTING BLUETOOTH.

- Select the music on your smartphone/tablet and start playback.
- Make sure your smartphone/tablet is loud enough to be heard through the speakers. This allows you to control the volume from the amplifier itself at a later time without having to operate any other equipment.

AUX MODE

- Connect the device via the AUDIO IN (AUX) stereo input and press the MODE button to select AUX mode. The voice-over will say AUX MODE.
- Activate the audio device (player, mixer, PC, smartphone, etc.) connected to the input and start playback.
- Make sure that the signal from your audio device is loud enough to be heard through the speakers. This allows you to control the volume from the amplifier itself at a later time without having to operate any other equipment.

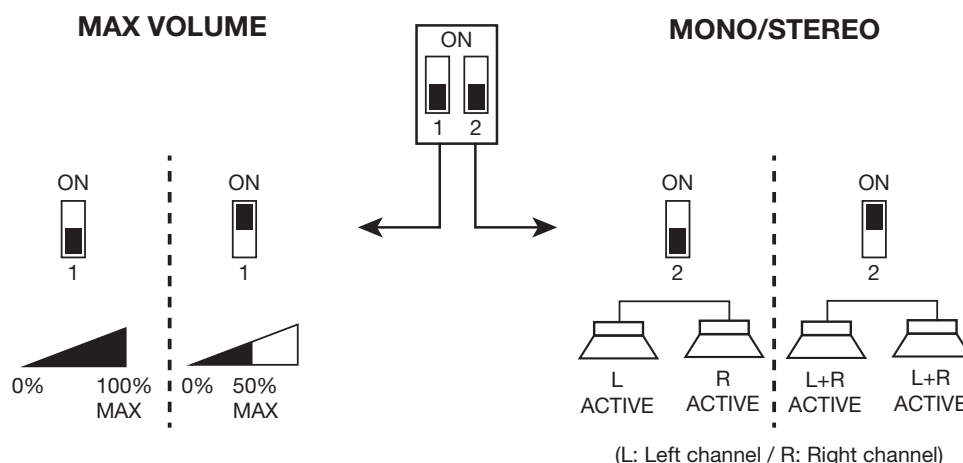
USB MODE

- Connect the USB device and the mode will be activated automatically. If the USB device was already connected press the MODE button to select the USB mode. The voice-over will say USB MODE.
- Playback will start automatically once this mode is activated.

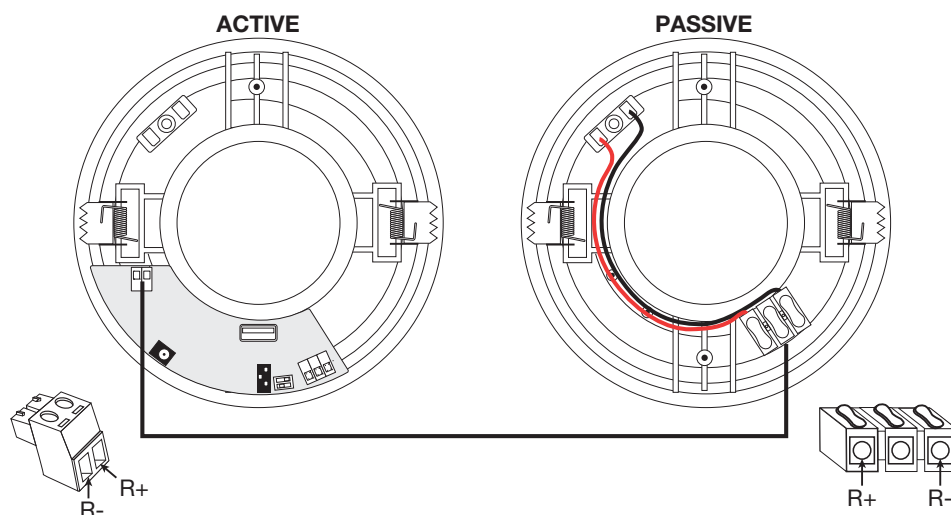
CONNECTION

IMPORTANT: it is important that the active speaker is properly cooled so make sure that the location where it is installed has access to airflow.

- Make connections with all equipment turned off.
- Set the maximum volume (50% or 100%) and the operating mode (mono or stereo). For more information, read the section RECOMMENDATIONS FOR LOUDSPEAKERS PLACEMENT.



- Connect the AUX or USB signal sources to the corresponding input. And connect the remote control IR receiver (mandatory).
- Connect the active speaker's power cable without having the adaptor connected to the mains.
- Install the IR receiver in a visible place and the speaker in the ceiling by connecting both speakers via the R SPK connector. Connect the R- with the passive speaker's black wire and R+ with the red wire.



- Connect the power and turn on the equipment. First the power sources and finally the **KS-12B** sound kit.

IMPORTANT: it is recommended to switch off the device when not in use to save energy and extend the service life of the device.

RECOMMENDATIONS FOR LOUDSPEAKER PLACEMENT

- If the audio setting is stereo:
 - Never place speakers of different channels (R and L) in different rooms.
 - Install the speakers in the proper position, relative to the listener position. The active speaker will play audio over the left channel and the passive speaker will play audio over the right channel.
- For in-ceiling placement of stereo speakers, it is recommended to place the ceiling speakers at the same distance from each wall, along the length of the room and at least 2 metres apart to achieve the best stereo separation effect.
- If the loudspeakers are going to be within 2 metres of each other, consider placing one loudspeaker in that room and the other(s) in another room. In this case, it will be necessary to set the audio to MONO.

TECHNICAL SPECIFICATIONS

	KS-12B
FEATURES	Pair of coaxial ceiling loudspeakers. Active loudspeaker with integrated amplifier and passive loudspeaker output. Bluetooth receiver. USB player. Line input. Automatic standby function after 10 minutes without audio signal. 5 selectable EQs. Frameless protective aluminium grille. Remote control included.
BLUETOOTH	Bluetooth 5.3 Transmission distance 10 m
AMPLIFIER	2 x 20 W RMS
LOUDSPEAKERS	Coaxial: 6" woofer and 1" tweeter (active and passive) @8 Ω ABS casing Frameless round aluminum grille
RESPONSE	60-20,000 Hz
INPUTS	1 stereo aux, euroblock
S/N RATIO	92 dB
CONTROLS	Volume limiter (50% and 100%) Stereo/mono selector 5 Equalizations USB playback mode (random, repeat all, repeat 1)
POWER SUPPLY	24 V DC, 3 A including adapter
DIMENSIONS	Loudspeakers: 185 mm Ø x 75 mm depth Cut-out hole: 170 mm Ø
ACCESSORIES	5 m speaker cable Remote control receiver extension cable 1 m Batteries for the remote control

SIMPLIFIED EU DECLARATION OF CONFORMITY

FONESTAR SISTEMAS S.A. hereby declares that Pair of Bluetooth® ceiling loudspeakers KS-12B comply with the Directive 2014/53/EU.

The complete text of the EU Declaration of Conformity is available at the following internet address:

fonestar.com/KS-12B

www.fonestar.com