Subwoofer



The R - 8 1 6 6 S is a dual-channel, dual-voice coil designwith independent crossover for each channel. It features a 10-inch passive radiator and is constructed with MDF (medium-density fiberboard) using advanced adhesives and mechanical fasteners. This makes it sturdy and durable, with a long service life and significantly enhanced low-frequency performance. When paired with a satellite speaker system, it enhances the ambiance and achieves cinema-level audio effects.

Characteristic

- Dual-channel, dual-voice coil design with independent crossover for each channel;
- Capable of directly connecting to a stereo dual-channel amplifier, equipped with two stereo satellite speakers;
- Constant impedance mode can be selected as either mono or stereo;
- Multi-tap constant voltage outputs of 60W, 30W, and 15W are available for easy construction of distributed audio systems;
- Fully utilizes the infinite baffle effect to provide robust low-frequency output;
- Employs passive radiators to enhance low-frequency output;
- The innovative bracket design ensures secure, reliable, and flexible installation;
- The enclosure can be surface-coated and painted in any color to better match interior decoration.

Specifications

Input Power	15W/30W/60W
Rated Impedance	667Ω/333Ω/167Ω/8Ω/4Ω
SPL(1M,1W)	88±3dB
Frequency Response	35-200Hz
Loudspeaker Unit	8"+10" passive basin
Mounting Hole Size	2*Φ8mm Interval 2*280mm
Mounting Method	Stent Installation
Connection Type	European Terminal
Materials	Cabinet: medium density board; Support: A3 cold plate
Size	375x160x590mm
Weight	9.8kg/1PC
Working Temperature	-25℃ to +55℃
Storage Temperature	-40℃ to +70℃
Relative Humidity	≤95%

Notes:

1.The default wiring at the factory can have the terminal face downward. Depending on the actual usage height, you can choose the orientation of the terminal face. If it is different from the default direction, you can remove the bracket from the box and install it on the other side.

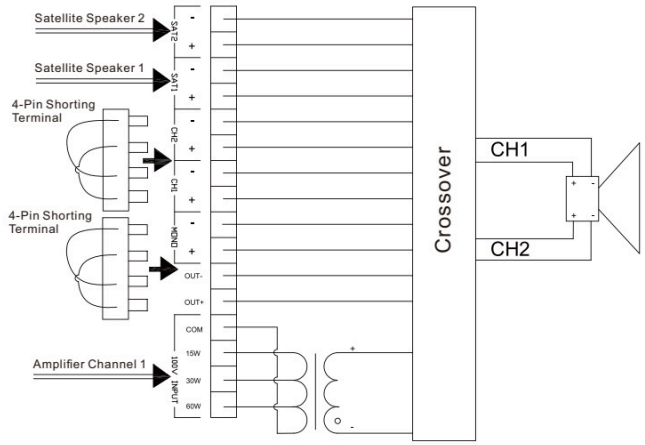
2.You need to provide two M6 or M8 expansion bolts with an effective length of more than 60mm. Drill into the wall according to the bracket hole positions.

3.After the bracket is securely fixed to the wall, install the box according to the installation instructions and secure it with hex screws.

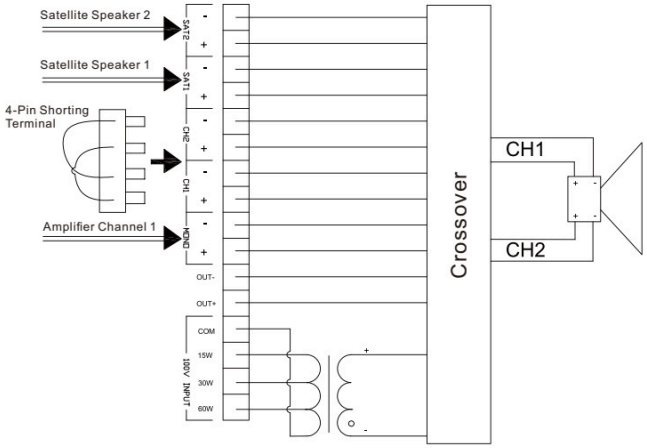
4.Use satellite boxes without transformers.

5.The best performance is achieved with 8-ohm satellite boxes. If multiple satellite boxes need to be used simultaneously, they can be connected in series or parallel to achieve 8 ohms.

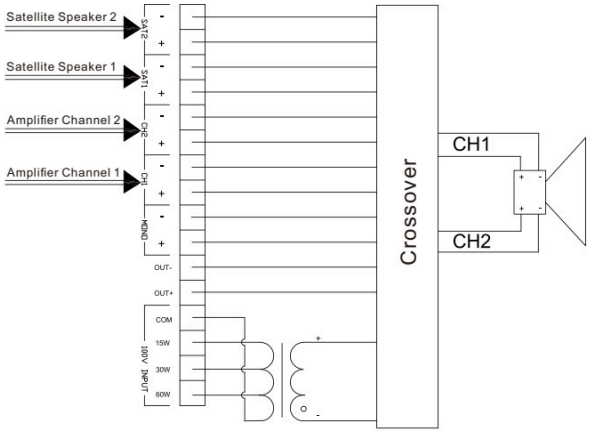
Circuit diagram



60W/30W/15W Constant Voltage Wiring Diagram

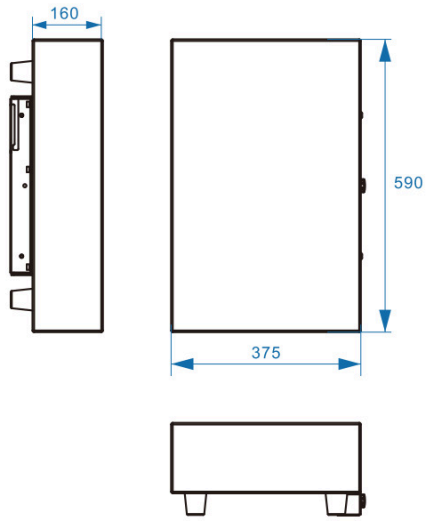


Low-impedance Single-channel Wiring Diagram



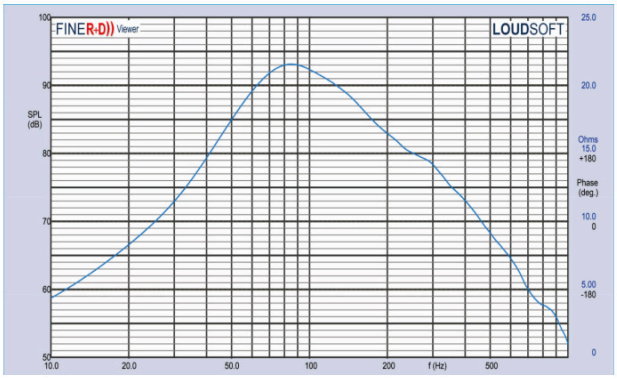
Low-impedance Dual-channel Stereo Wiring Diagram

Three views

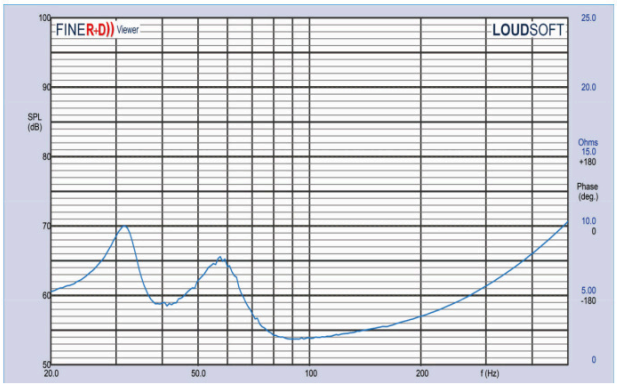


Dimensions in mm

Frequency Response Graph

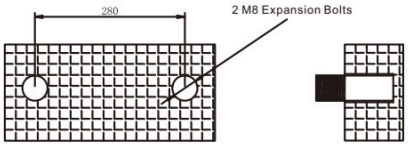


Impedance Graph

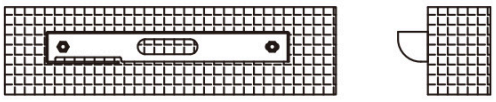


Installation

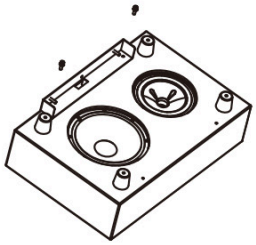
1.Drill holes in the wall and install two M8 expansion bolts with a spacing of 280mm.



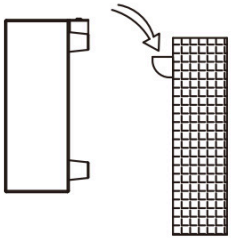
2.Attach the wall bracket to the expansion bolts and secure it to the wall with nuts.



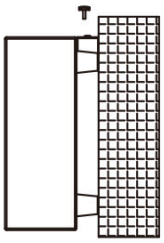
3.Fix the lock box bracket on the box with two M6 screws.



4.Hang the enclosure onto the wall bracket.



5.Hang the enclosure with the assembled bracket onto the wall bracket and secure it with hex screws.



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