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#WELIKEITLOUD



XM3 3WAY ACTIVE CROSSOVER

OWNER'S MANUAL

HIGH
PERFORMANCE



BASS SHAPER

2/3WAY MOBILE ELECTRONIC CROSSOVER

#WELIKEITLOUD



FEATURES

- 3-Way Active Crossover w/ x20 Frequency Multiplier Switch
- Remote Sub-level Control
- 0-180 Degree Subwoofer Phase Switch
- Butterworth 12dB/octave Slopes
- Detented Frequency Selection Controls
- Gold RCA Input and Output connectors
- Power, Ground and Remote connector
- PWM Power Supply
- Led Power Indicator
- Bass Boost

SPECIFICATION

Signal-to-Noise Ratio	>102dB
Total Harmonic Distortion (1KHz, 1VRMS)	0.01%
Crossover Slopes:	12 dB/octave Butterworth
Crossover Frequencies:	
Front HighPass	32 Hz to 400Hz /640 Hz - 8KHz
Rear HighPass	32 Hz to 400Hz
Subwoofer	32 Hz to 400Hz
Remote Sub Level	+18 dB boost
Low Level Input Voltage	4 VRMS
Maximum Output (10 KΩ Load)	9 VRMS
Supply Voltage	9-15 VDS
Dimensions	125mm W x 170mm L x 47mm H

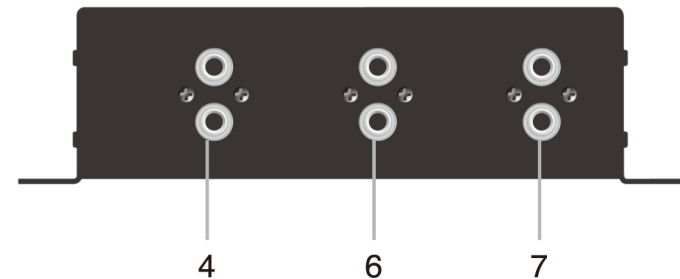
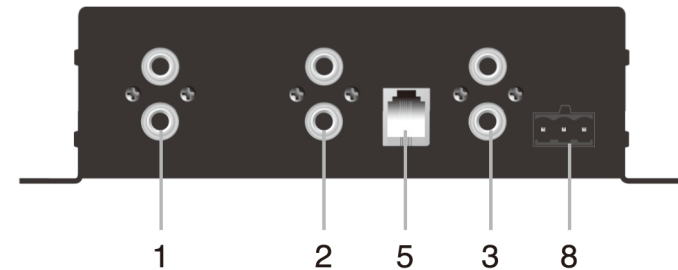
FUNCTIONS



FUNCTIONS

- 1. Power LED:** Red light indicates power on.
- 2. Front Channel Highpass Frequency Control:** This detented knob controls the frequency of the front Highpass output from 32 Hz to 8kHz
- 3. Multiplier:** This switch multiplies the Front Channel Highpass Frequency Control from either 32-400Hz (x 1) to 600-8kHz(x20). Switch to the left to multiply (x 1) and to the right to multiply (x20).
- 4. Parallel Input:** This switch combines the Front and Rear inputs if only one RCA pair is available for signal input. Switch to the left to PARALLEL INPUT inputs and to the right to use separate inputs.
- 5. Rear Channel Highpass Frequency Control:** This detented knob controls the frequency of the Rear Highpass output from 32-400Hz
- 6. Phase:** This switch allows you to invert the subwoofer phase from 0 to 180°.
- 7. Sub Frequency Control:** This detented knob controls the frequency of the Subwoofer output from 32-400Hz.
- 8. Bass Boost:** This knob allows for a boost at 40Hz up to 12dB.
- 9. Level:** Allows you to control level up to 18dB.
- 10. MODE:** Change the Subwoofer output from stereo to mono

FUNCTIONS

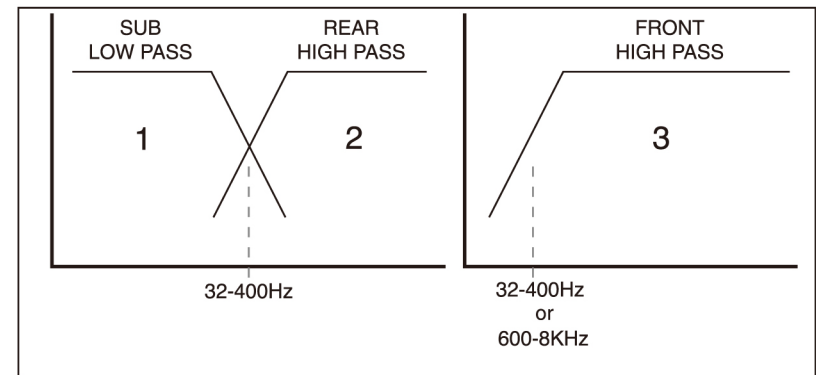
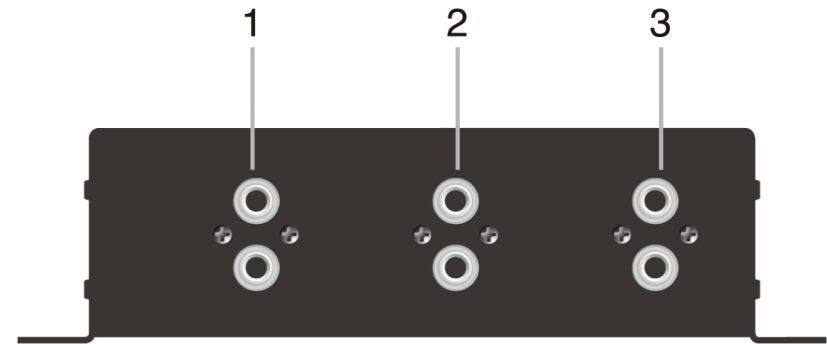


FUNCTIONS

- 1. Front Input:** Gold plated RCA inputs. Plug in the RCA cables from the front channel of your radio here.
- 2. Rear Input:** Gold plated RCA inputs. Plug in the RCA cables from the Rear channel of your radio here.
- 3. Mixed Output:** Gold plated RCA inputs. Plug in the RCA cables here to get mixed in or out signal from the front input. You can use this to feed another crossover using same signal from radio.
- 4. Sub LowPass:** Gold plated RCA outputs. Run the RCA cable to the Subwoofer amplifier RCA input.
- 5. Remote Sub Level:** Plug the remote sub level control into this jack. Run the remote sub level control to a position in the passenger area to allow control of the sub level.
- 6. Rear HighPass:** Gold plated RCA outputs. Run the RCA cable to the Rear Speaker or midrange speaker amplifier RCA input.
- 7. Front HighPass:** Gold plated RCA outputs. Run the RCA cable to the Front speaker or tweeter amplifier RCA input.
- 8. Power:** After connecting the Power, Ground and Remote wires to the Powerlock connector, plug the connector in here.



FUNCTIONS



3 way system
with front and rear fader

MOUNTING

To prevent damage to the crossover while driving, mount it in a secure place. Choosing the appropriate location will depend upon your vehicle and the complexity of your system design. Typical mounting locations for your new crossover include the trunk or passenger compartment (floor or under seat). Never mount the component in a location that would subject it to immersion or exposure to water.

Once a location has been chosen, securely mount the crossover with four mounting screws. Be Careful! Inspect the area underneath to be sure you are not drilling into wires, etc. that could be damaged by the drill bit or screws.

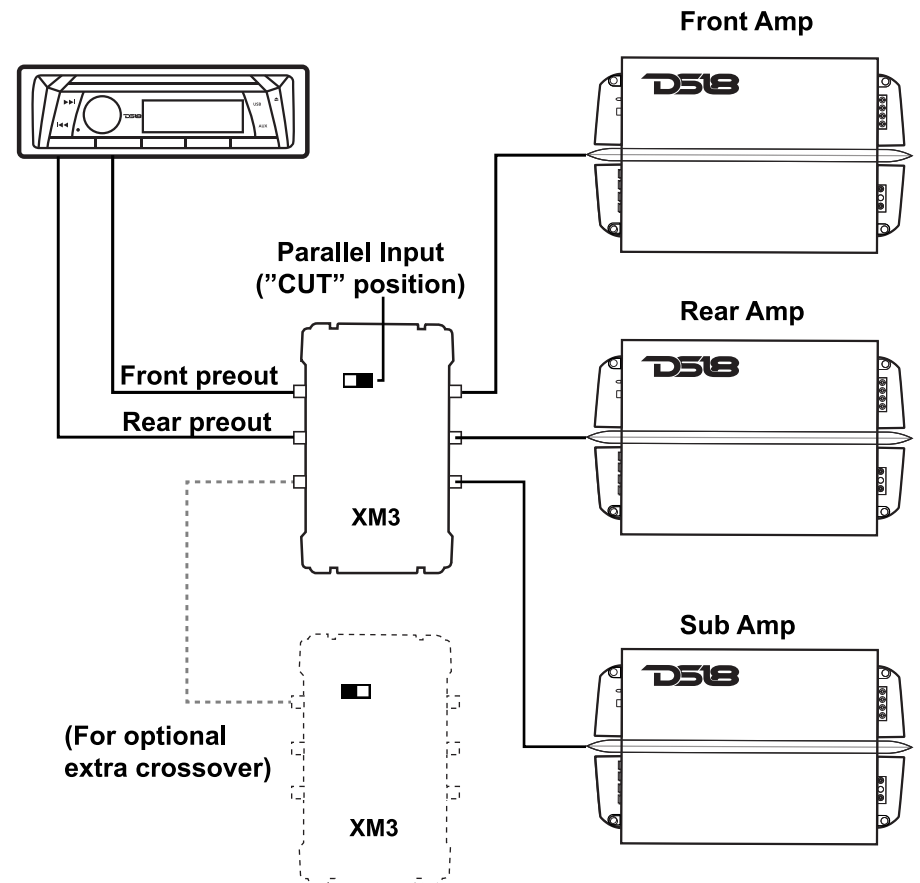
Locations for mounting screws.



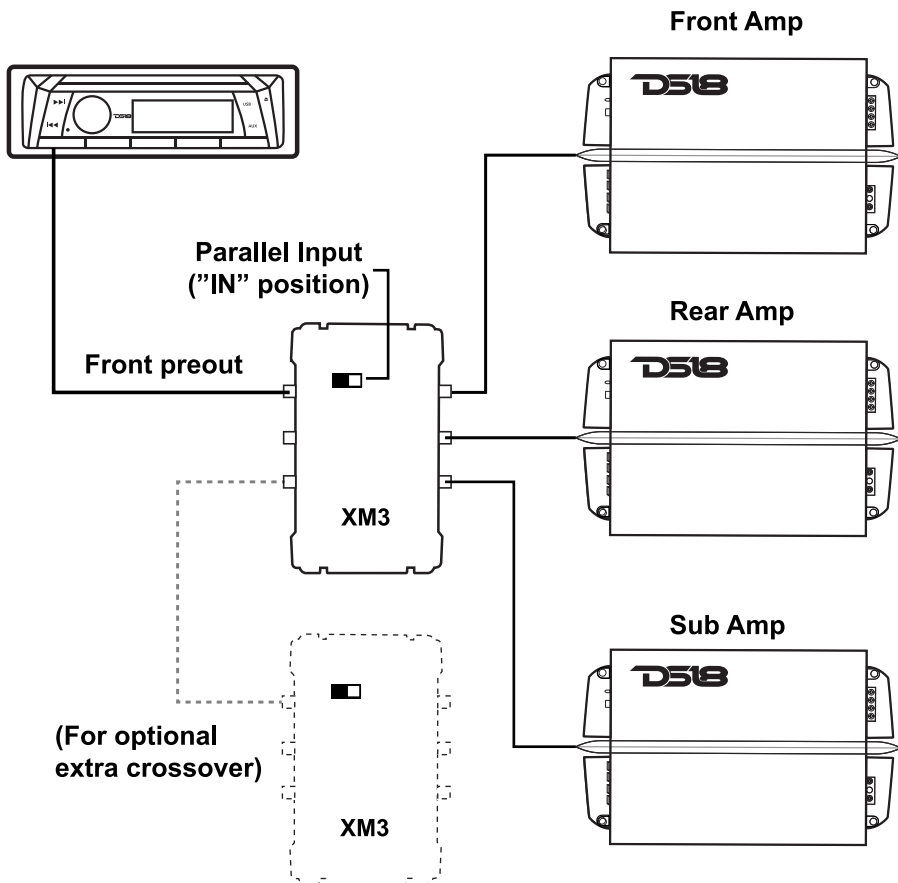
INSTALLATION



MODE 1:



MODE 2:



TROUBLESHOOTING

NO SOUND

Is the LED lit?

YES

NO

Check input cables for signal by connecting them straight to the subwoofer amplifier.

Check power and remote turn-on wire for voltage. Make sure ground wire is secure.

ANY SOUND NOW?

Check for open fuse

YES

NO

Problem is in the crossover. See your local authorized dealer.

Problem is elsewhere in the system. Check the head unit and amplifiers.

SOUND IN ONE CHANNEL ONLY

Reverse left and right RCA outputs for one band (i.e. subwoofers).

SOUND IS NOW IN?

OPPOSITE CHANNEL

SAME CHANNEL

Reverse RCA inputs.

Problem is in the amplifier, speakers or associated wiring of the silent channel.

SOUND IS NOW IN?

OPPOSITE CHANNEL

SAME CHANNEL

Reverse RCAs at head unit (Check balance control).

Problem is in the crossover. See your local authorized dealer.

SOUND IS NOW IN?

OPPOSITE CHANNEL

SAME CHANNEL

Problem is in the head unit.

Problem is in the RCA cables.

LOW OUTPUT FROM ONE BAND

Check crossover frequencies for low pass points set higher than high pass points and check gain control on the affected amplifier(s). If low output is still a problem contact your local authorized dealer.