



MX-3



Manual

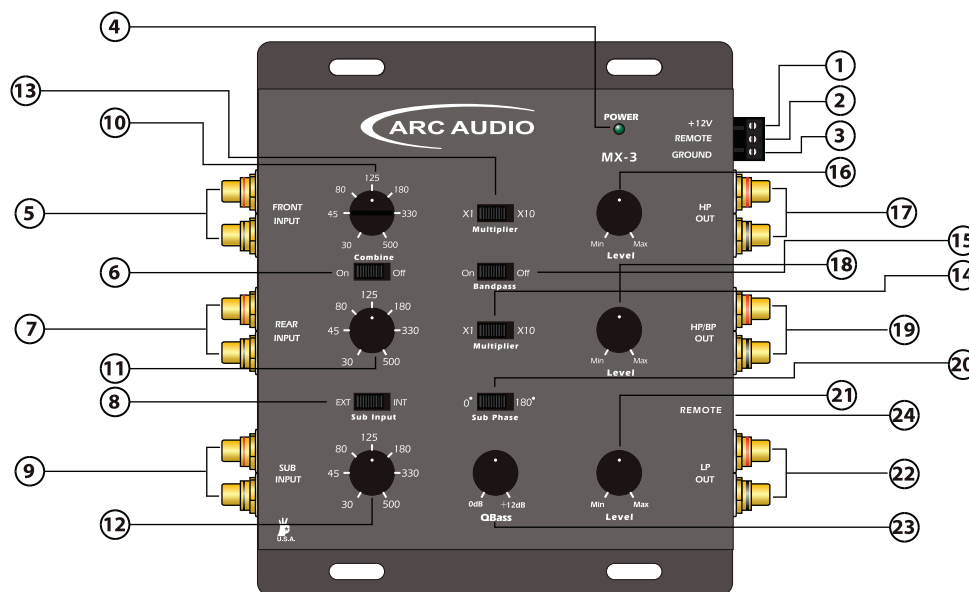


Features

- 2/3-Way Active Crossover with x 10 Frequency multiplier Switch
- Remote Subwoofer channel Level Control
- 0-180 Degree Subwoofer Phase Switch
- Active Band pass Switch
- Butterworth 12 db/octave Slopes
- Detented Frequency selection Controls
- Gold Plated RCA Input and Output Connectors
- Power Lock Power, Ground and Remote Connectors
- PWM Power Supply
- Led Power Indicator
- Q Bass Boost

Specifications

- Signal-to-Noise Ratio : >102 db
- Total Harmonic Distortion @ 1 kHz-1 V rms: 0.01%
- Crossover Slopes : 12 db/octave Butterworth
- Crossover Frequencies
 - Front High pass : 50 Hz - 8 kHz
 - Rear High pass/Band pass : 50 Hz - 8 kHz
 - Subwoofer : 5 Hz - 800 Hz
- Input Voltage : 150 mV - 2.5 V RMS
- Maximum Output @ 10 k Load : 4 V RMS
- Supply Voltage : 9 - 15 VDC
- Dimensions (W x L x H) : 6 3/16" x 6 7/8" x 1 1/4"



1. Power Input Terminal (12 V.)

To be connected to the positive terminal of vehicle battery or other constant + 12 V source.

2. Remote Turn-On Input Terminal

To be connected to the remote control wire or antenna lead of the head unit for turn ON/OFF.

3. Ground Input Terminal

To be wired to the vehicle's chassis (ground)

4. Power Indicator

This indicator lights up when the internal power supply is activated and the unit will operational.

5. Left/Right Front Channel, Signal Input

To be connected to the front channel output of the head unit

6. Combine Signal Input Switch

" On " Plug in the signal from head unit and the signal will split and directed to the front and rear channels of this crossover network simultaneously. (This feature is to be engage where the head unit has no separate Front/Rear Outputs and the fader control from head unit will not be unable to control for fading the signal level from front to rear channels)

" Off " If the head unit has independent front and rear channel outputs, set this switch to " Off " and the fader control on the head unit can control for fading the signal level from front to rear channels.

7. Left/Right Rear Channel Signal Inputs

To be connected to the rear channel outputs of the head unit

* Please make sure that the " Combine " switch is at " Off " position.

8. Subwoofer Input Switch

If your head unit have no subwoofer output(s) this switch should be at the " INT " position to allow the signal from rear channels supply to the subwoofer input section of the crossover.

9. Subwoofer Signal Input

To be connected to the subwoofer channel output(s) of the head unit (if applicable)

* Please make sure that the " Sub Input " is at " EXT " position.

10. Front Channel High-Pass Frequency Selector

For the selection of front channel high-pass crossover frequency between 30 Hz and 500 Hz (300 Hz and 5 kHz) When the " Multiplier " switch is at " x 10 " position.

11. Rear Channel High-Pass Frequency Selector

The same as 10 but for rear channel only.

12. Subwoofer Channel Selector

For the selection of low-pass crossover frequency for the subwoofer channel from 30 Hz and 500 Hz.

13./14. Front/Rear High Pass Frequency Multiplier

Positioning this switch at the " x 10 " range allow the seletable crossover frequency change for the front/rear channel high-pass from 30 Hz - 500 Hz to 300 Hz - 5 kHz.

15. Bandpass Selector

To allow the front channel signal from head unit to run as active 3-way crossover. It will send the lowpass crossover frequency signal to rear channel input selection of the crossover and there fore you may select the high pass frequency to run an active bandpass from HP/BP outputs.

16. Front Channel Output Level Control

For adjusting the front channel outputs signal level.

17. Left/Right Channel Output Terminals

To be connected to the front channel left/right amplifier inputs

18. Rear Channel/Band-Pass Level Control

For adjusting the rear channel/band-pass signal level considered to the " Band pass " switch.

19. Left/Right Channel/Band-Pass Output Terminals

To be connected to the rear channel left/right or the band pass amplifier inputs considered to the " Band pass " switch.

20. Phase Inverter

Positioning the switch to the " 0° " the subwoofer output signal in phase with the front/rear output signals, to the " 180° " will be out-of-phase relative to the front/rear output signals depending on the sound from your system in the vehicle.

21. Subwoofer Level Control

For adjusting the subwoofer channel output signal level.

22. Subwoofer Output Terminals

To be connected to the subwoofer amplifier inputs.

23. Q Bass Boost Control

For adjusting the level of amplifier on the signal at 40 Hz up to 12 db to the subwoofer signal outputs.

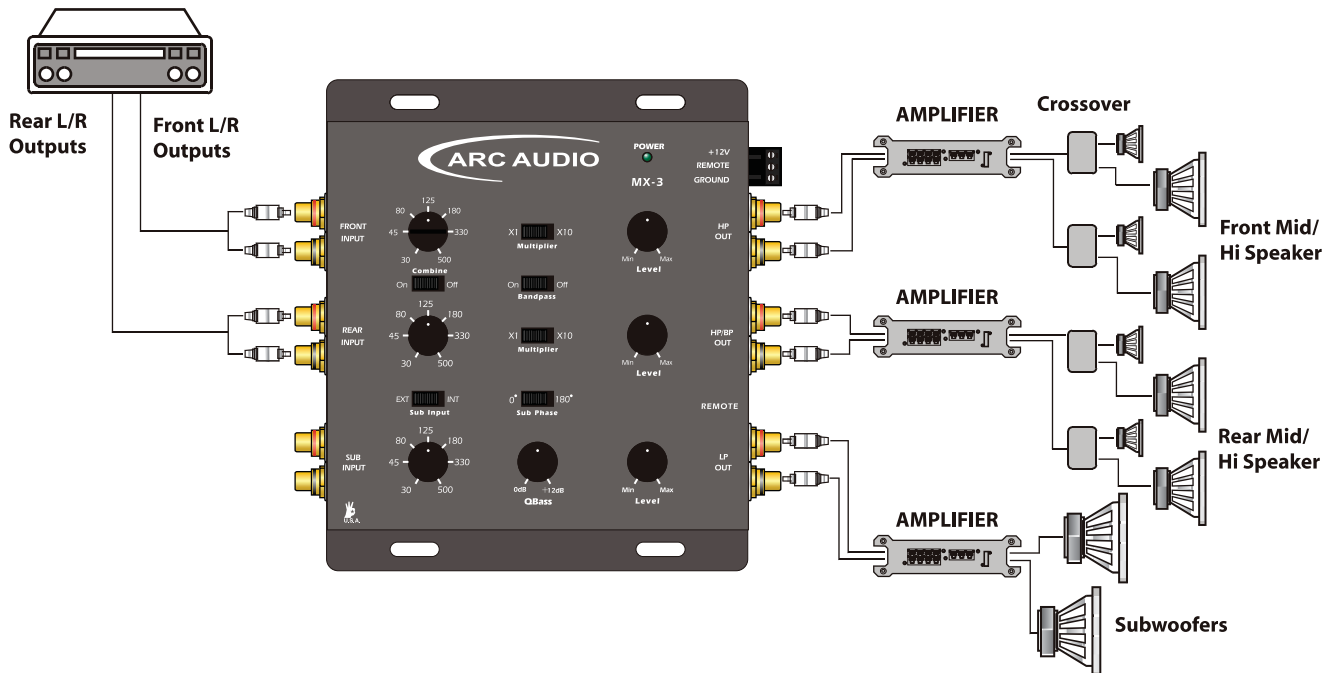
24. Remote Subwoofer Level Controller Terminal

To plug in for the " Remote Controller " for the outboard control to a position in the passenger area to allow the control of the subwoofer level signal outputs.

Installation

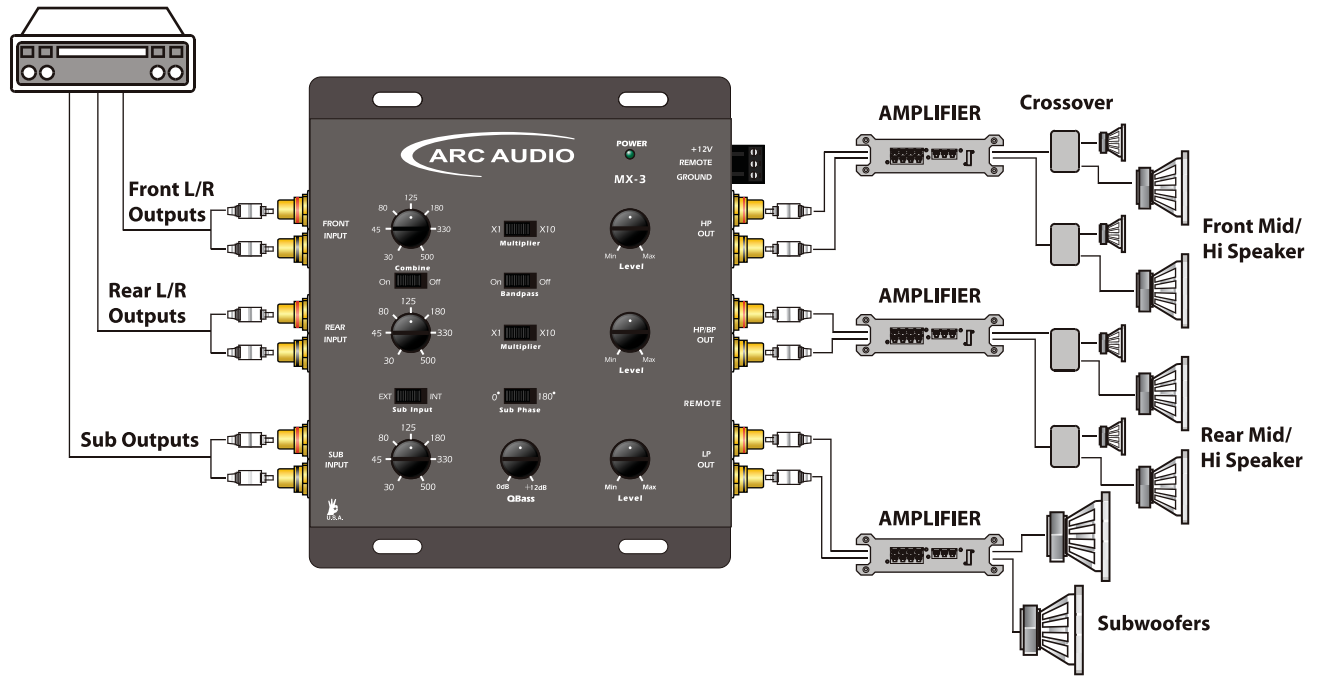
1. Find a suitable location in the vehicle to mount the crossover, do not mount it directly to the chassis or any metal part.
2. Bolt the crossover to the mounting surface and make sure that the mounting screws not touch to any metal part or vehicle's chassis.
3. Using power connector provided, connect minimum 16 gauge wire for power, ground and remote. Connect the shortest possible wire for ground to chassis ground point. The (+) 12V power should be made directly to the car battery or power distributor and the remote should be connected to the Remote Turn on connector of your head unit.
4. Connect all line inputs and outputs using high quality RCA plugs and cables.
5. Recheck all connections before powering up.
6. Set all level controls to their minimum positions and set all crossover controls, switches to the desired frequency and position.
7. Once the system is powered up, set the volume control on the head unit to a moderate level where your normal speaking voice can be heard while the music is playing.
8. Further fine turning of the various controls may be necessary to obtain the desired result.

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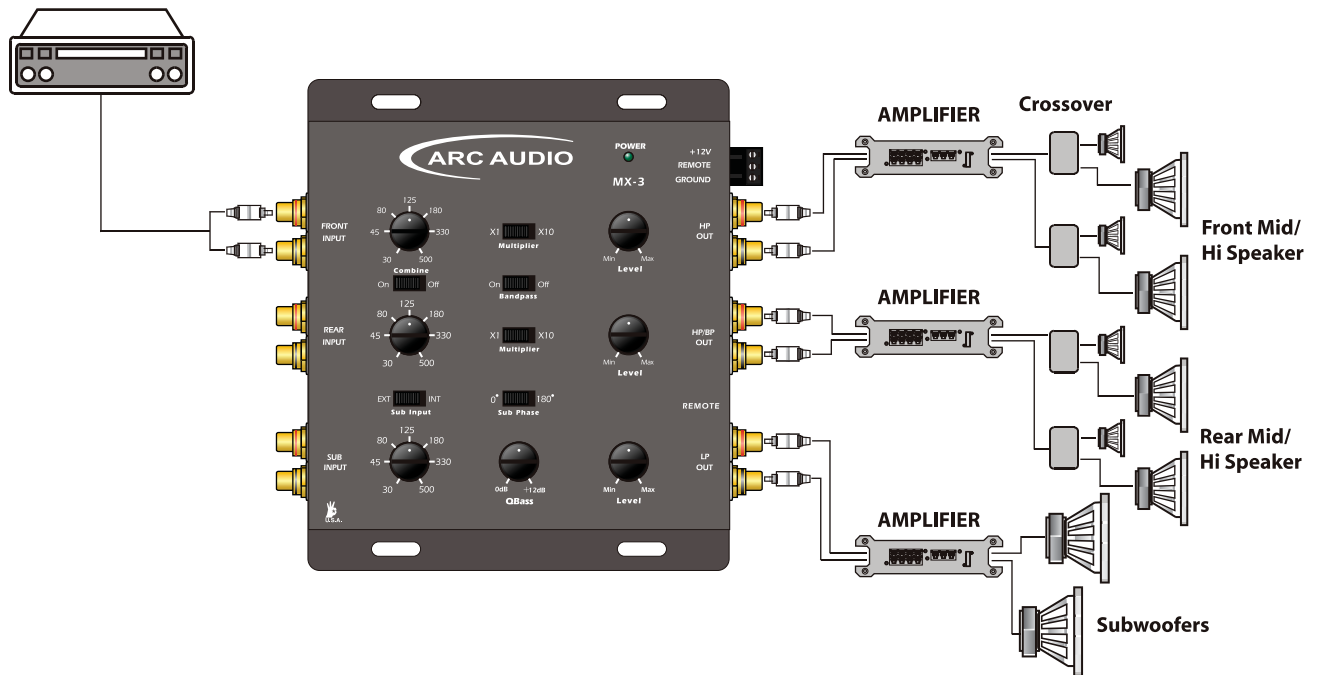
SYSTEM # 1
4 Channel Stereo Front/Rear System

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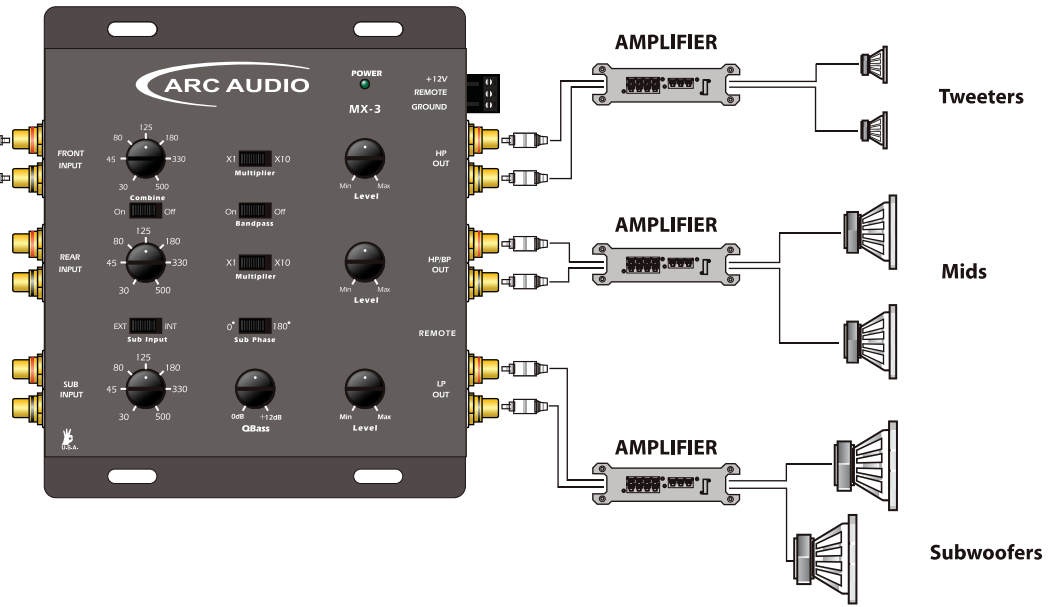
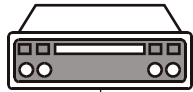
SYSTEM # 2
4 Channel Stereo/Subwoofer System

Front (Rear) L/R Outputs



SYSTEM # 3
2 Channel Stereo Front/Rear System

Front (Rear) L/R Outputs



SYSTEM # 4

2 Channel 3-Way System



HIGH PERFORMANCE AMPLIFIERS

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