

## INTRODUCTION

Congratulations on your purchase of a BOSS Audio Systems Electronic Crossover. This product has been designed and built to deliver excellent sound quality and long lasting high performance. We are sure you'll enjoy listening to your favorite music with this BOSS component in your car audio system. For best results please consult a professional car stereo installer for application advice or troubleshooting. To guarantee top performance we recommend using The BOSS Link installation accessories such as RCA interconnects, power cable, and speaker wire. Thank you for choosing BOSS Audio Systems products for your autosound system. We can't change the world, but we can make it sound better.

## FEATURES

Three Way Electronic Crossover  
Gold Pleated RCA and Power Connectors  
Remote On/ Off Power Control  
LED Power Indicator  
Switching Power Supply  
Low-Noise High Slew Rate Audio Grade Op Amps  
Fully Adjustable Low and High Pass Output Levels  
Phase Reverse Volume on Low Pass  
Infinitely Variable Low Pass Crossover  
Infinitely Variable High Pass Crossover  
Frequency Multiplier Switch on Front High Pass Crossover  
Low Pass Stereo Channel Selector for mixed or Direct Low Pass Inputs  
Bass Boost Volume with Variable Frequency Volume.

## SPECIFICATIONS

Input Impedance	Front & Rear: 39K-Ohm, Low Pass: 10K-Ohm
Maximum Input Level	4.5V RMS
Maximum Output Level	9V RMS
High Pass Crossover, 12dB/octave	Front: 50Hz-5KHz; Rear: 45Hz -1.6KHz
Low Pass Crossover, 12dB/octave	40Hz-250Hz
Low Boost	0 to +18dB
Gain Structure	Variable, 0 to +6dB
Frequency Response, Low Pass	5Hz - 500Hz, -3dB
Frequency Response, High Pass	F: 50Hz-50KHz, -3dB; R: 45Hz-50KHz, -3dB
Signal-to-Noise Ratio	>95dB
THD	<0.01%
Dimensions	8 3/4"(W) x 7 1/2"(L) x 1 1/4"(H)

Features and specifications subject to change without notice.

## TROUBLE SHOOTING

Symptom                      Possible remedy:

**Signal Processor does not turn on.**      Check:  
\*Remote Turn-On wire has (+) 12V  
\*(+) 12V wire has (+) 12V  
\*Ground wire is properly connected:

**Level of sound is low.**              Check:  
\*Wiring is not loose or cables misconnected/disconnected  
\*RCA cables are not faulty

**Background noise is too high.**      Check:  
\*Wiring is not loose or cables misconnected/disconnected - ground is important  
\*RCA cables are not faulty

## PRECAUTIONS

**Enjoy your system, but use it wisely and safely!**

\*Never drive with the volume raised so high you cannot hear what is occurring in traffic around you.

\* Be ware that repeated exposure to excessive volume levels can permanently damage your hearing!

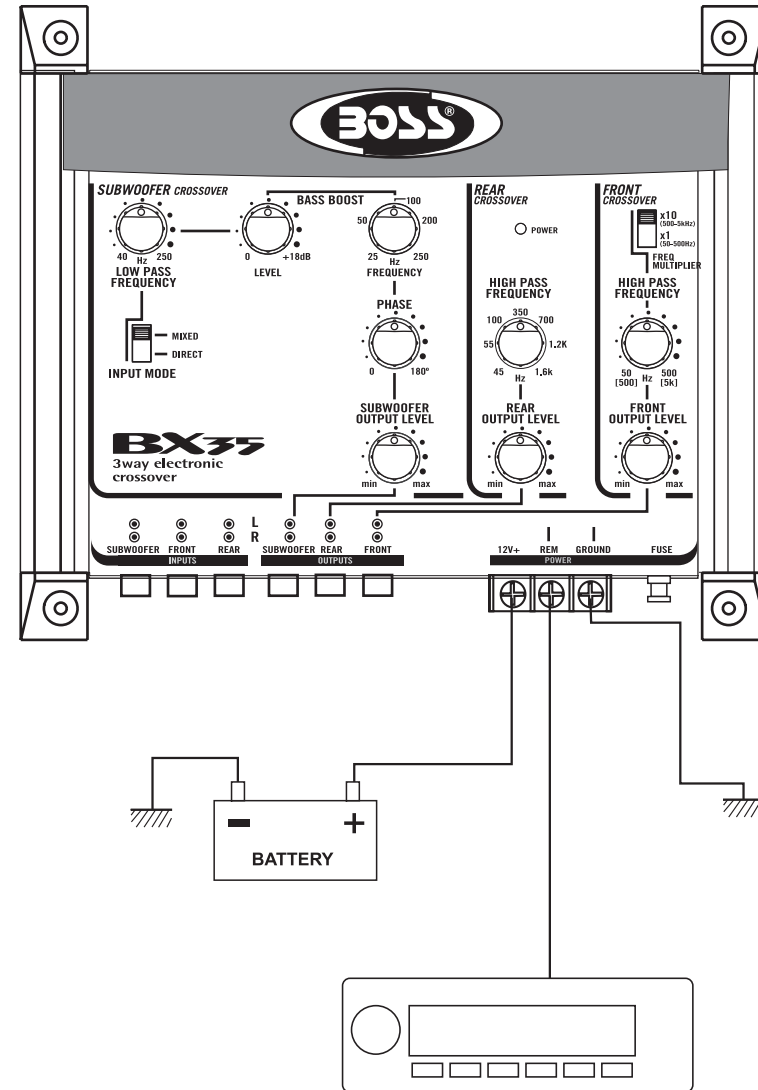
\* Keep all electronics away from moisture, dust, extreme heat or extreme vibrations.

1. Power Terminal (+12V).
2. Remote Turn-On Terminal (REM).
3. Ground Terminal (GND).
4. Subwoofer Low Pass Frequency Control.
5. Bass Boost Level Control (TO +18dB)
6. Bass Boost Frequency Control
7. Low Pass Mode Switch: Allows Low Pass Channel to receive signal from either the mix of Front and Rear inputs or from Low Pass Inputs directly (when head unit has appropriate 5th / 6th outputs).
8. Variable Phase Selector Control: Use this control to select output phase for the subwoofer channel to provide best time alignment and stereo imaging.
9. Subwoofer (Low Pass) Output Level Control
10. LED Power On Indicator
11. Rear Channel High Pass Frequency Control
12. Rear Channel Output Level Control
13. Frequency Multiplier Switch, Front High Pass Crossover
14. Front High Pass Frequency Control
15. Front High Pass Output Level Control
16. Subwoofer Low Pass Channel Inputs
17. Front Channel Inputs
18. Rear Channel Inputs
19. Subwoofer Low Pass Channel Output Terminals.
20. Rear Channel Output Terminals.
21. Front Channel Output Terminals.
22. Fuse

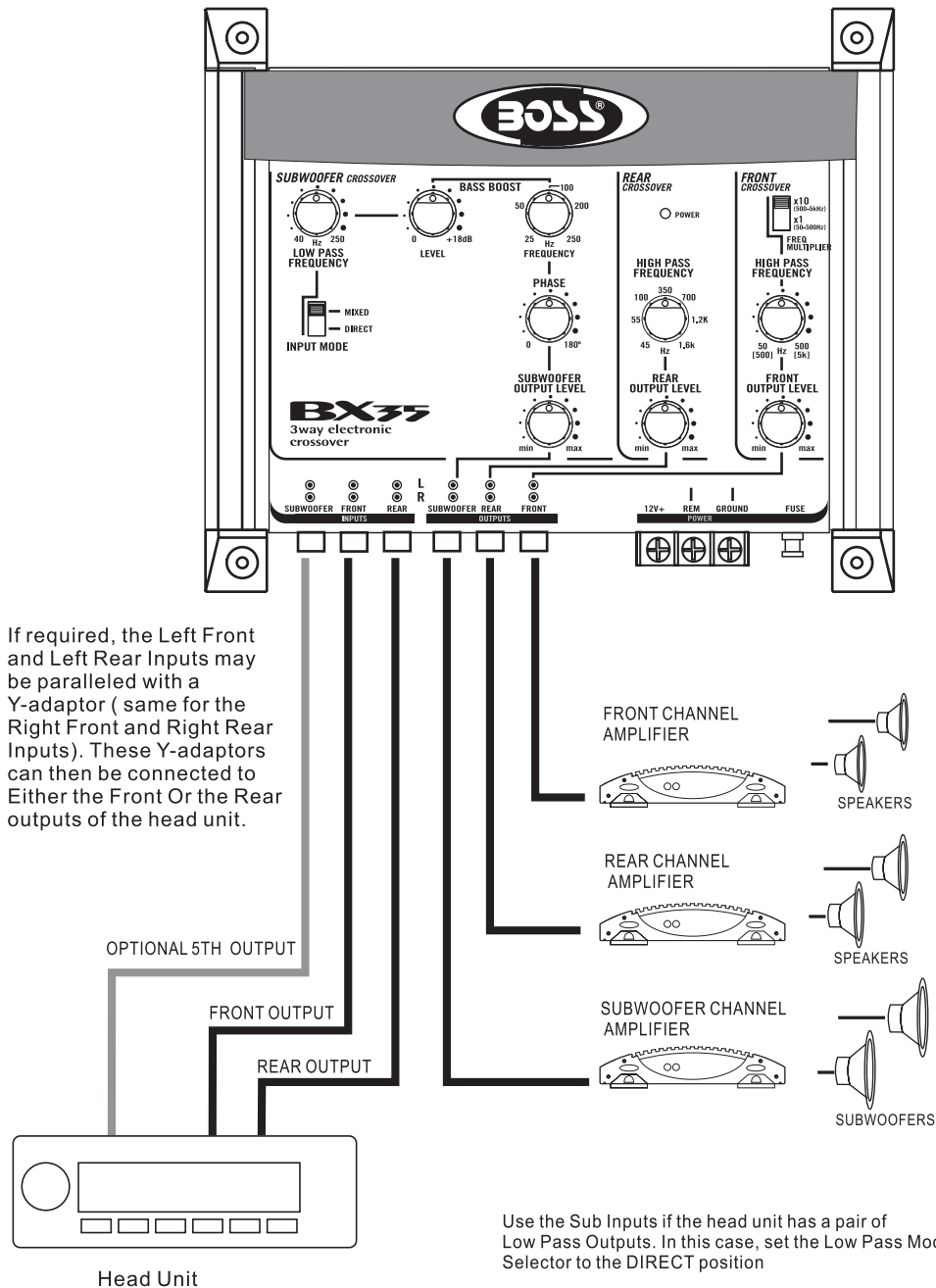
## WIRING DIAGRAM : Power Connection

### Power connection

- **B+(12V)** : Connect a red wire to the car battery or other power source.
- **REMOTE**: Connect an orange wire to remote activating (12V DC) wire of car stereo or equalizer.
- **GND** : Connect a black wire to the car chassis for ground connection.



## WIRING DIAGRAM: Two Way (BIAMP) Operation

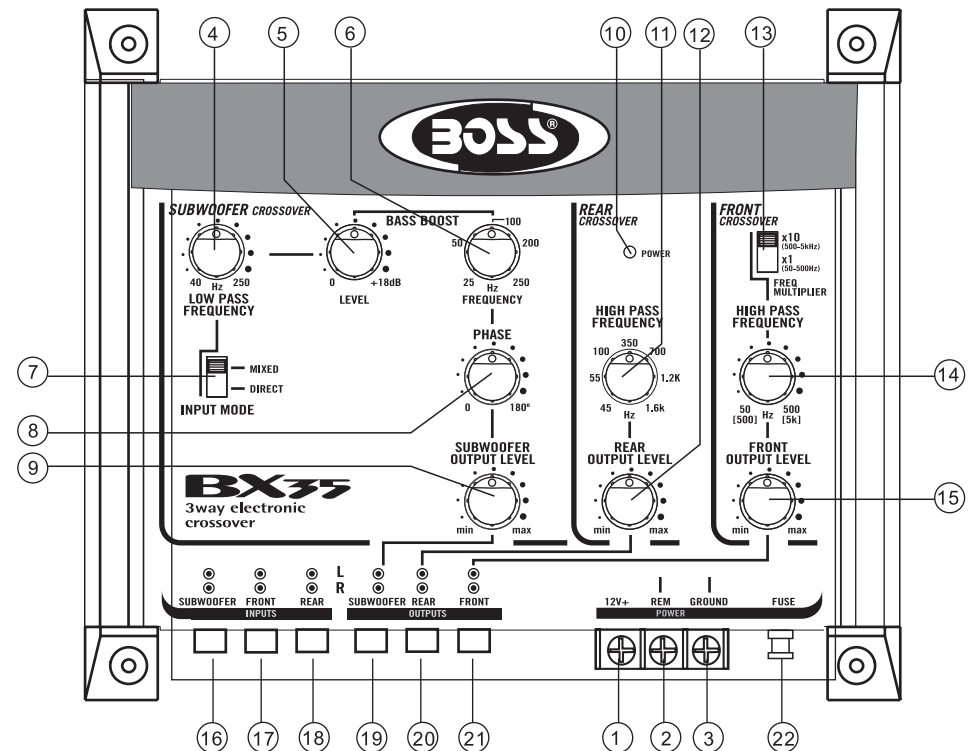


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## INSTALLATION

1. Find a suitable location in the vehicle to mount the crossover.
2. Bolt the crossover to the mounting surface.
3. Using the screw terminals provided, connect minimum 16 gauge wire from the power, Ground and remote terminals. Connect the shortest possible wire to a chassis ground point. The (+) 12V connection should be made directly to the car battery, and the remote should be connected to the Remote Turn On Lead of your head unit. When connecting directly to the battery, install a 3A Fuse within 18 inches of the battery terminal.
4. Connect all line inputs and outputs using high-quality RCA cables.
5. Recheck all connections before powering up.
6. Set all level controls to their minimum positions and set all crossover controls, switches, etc. To the desired frequency or 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 tuning of the various controls may be necessary to obtain the desired results.
9. When unsure about installation or system tuning, please consult an authorized BOSS AUDIO dealer.

## CONTROLS AND OPERATION



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