

Before you start



CAUTION



Many new and factory radios require a reset code when disconnected from battery power. This is an anti-theft feature. Before unplugging power, you must determine if your radio/source unit requires a reset code.

Power cable size and fusing

It is critical to use the proper power and ground cable. Select the size listed here for your amplifier model. Always use high quality copper cable.

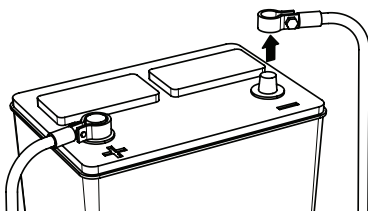
Model	Fuse Size	Cable Size
ZXX-500.2	30A x 1	4ga
ZXX-600.4	25A x 2	
ZXX-1000.4	35A x 2	
ZXX-1200.1D MAXI	70A x 1	
ZXX-1800.1D MAXI	80A x 1	2ga
ZXX-2000.4	35A x 3	
ZXX-2400.1D MAXI	60A x 2	
ZXX-3200.1D	EXTERNAL	

Be sure to use the proper fuse size for each model. Some models require an external fuse.

Installation

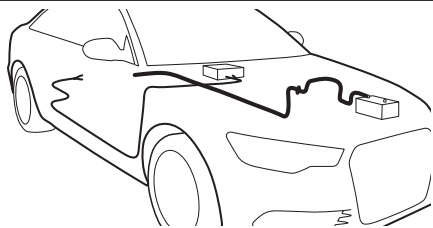
1 Disconnect negative battery terminal

Place terminal in a secure position so that it won't accidentally contact the negative battery post



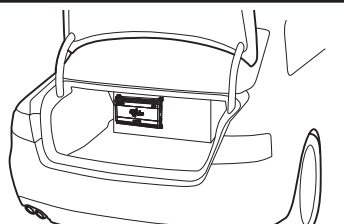
2 Run Cables

Properly route power, speaker and RCA cables through the vehicle.



3 Mount Amplifier

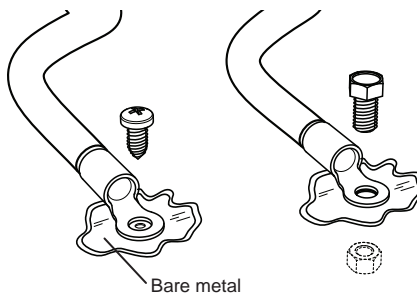
Choose a mounting location that will provide adequate air ventilation. Mount the amplifier to a secure surface. Do not mount the amplifier upside down.



4 Chassis Ground



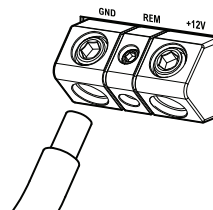
The chassis ground connection is critical to the performance of the amplifier. Choose a location that is close to the amplifier. Completely scrape away the paint and use a nut and bolt if possible. **DO NOT USE AN EXISTING FACTORY BOLT!**



Bare metal

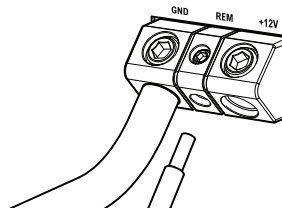
5 Negative Power Connection

Attach the chassis ground cable to the amplifier negative terminal. It is important to make sure this connection is very tight.



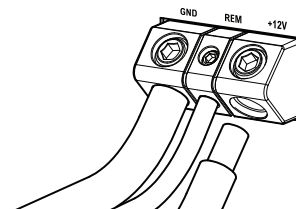
6 Remote Turn-on Connection

Attach the remote turn on wire to the amplifier remote output of the source unit.



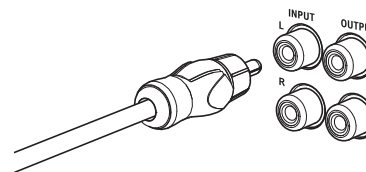
7 Positive Power Connection

Attach the main power cable to the amplifier +12V. The cable must run directly to the battery and be properly fused and be very tight.



8 Signal Input Connection

Connect the RCA cables to the INPUT connectors. The OUTPUT can be used to provide input for a second amplifier.



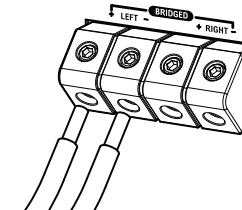
9 Level Control

Turn the LEVEL control completely counter-clockwise to minimum.

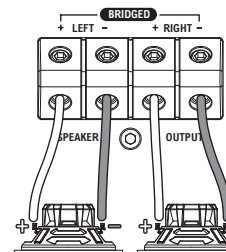


10 Speaker Connections

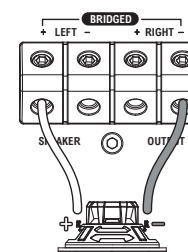
Connect the speaker cables to the speaker output connectors. Follow the diagram below that best fits your speaker configuration.



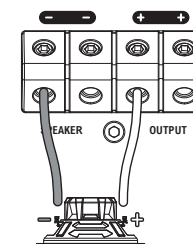
Stereo



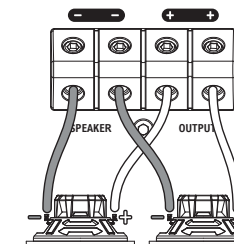
Bridged



Monoblock single woofer

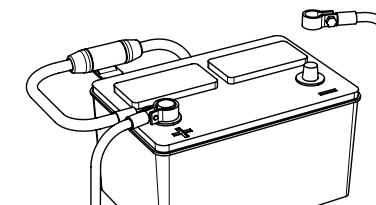


Monoblock multiple woofers



11 Positive Battery Connection

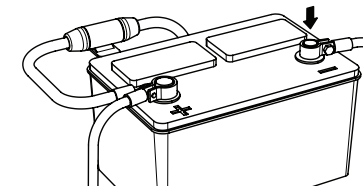
Connect the power cable to the positive battery terminal. The power cable must be fused within 18 inches of the battery terminal.



Be prepared to disarm your vehicle's alarm and to enter your radio / source unit code.

12 Re-connect Negative Battery Terminal

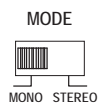
Re-connect the negative battery terminal making sure it is securely tightened.



Setup

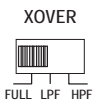
A **Input Mode**

The input MODE switch will "sum" or combine the right and left channel signals in the MONO position to improve bass performance. Select MONO only when the amp is being used for subwoofers.



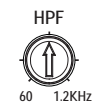
B **Xover Mode**

The XOVER Mode switch sets the type of crossover that will be active. 4 channel models will have two switches, one for each set of channels.



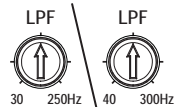
C **High pass Adjustment**

The HPF (high pass filter) control will limit the output below the selected frequency. This is typically used to protect midrange and hi frequency speakers from damage and to allow a smooth transition from a subwoofer.



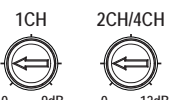
D **Low pass Adjustment**

The LPF (low pass filter) control will limit output above the selected frequency. This is used to allow a smooth transition to the higher frequency speakers.



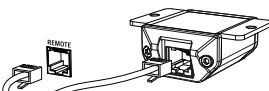
E **Bass Boost**

The Bass EQ control will increase the power output at 45Hz for more pronounced bass. Exercise caution when using this control. Increase the level in small amounts until distortion is noticed, then back off a little.



F **Remote Level Control**


Some models include a bass remote. Avoid adjusting the bass remote while operating vehicle.



G **Level Setting**

This is a critical step to insure your amplifier is properly adjusted to match the signal output level of your source unit.

THIS IS NOT A VOLUME CONTROL!



1. If possible, with the source unit off, confirm that the primary volume control is turned down (counter clockwise).
2. Turn on the source unit (CD, or MP3 player). Re-confirm that the volume is turned down. Make sure the source unit controls; balance, fader, bass and treble are all set to center or "0" adjustment. Make sure that the green LED on the end of the amplifier is illuminated.
3. Play a clean musical selection of which you are very familiar. CD is preferred. Do not use radio signals for level setting. Hit play and start turning the volume of the source unit up.
4. Stop increasing the source unit volume when you reach 3/4 (about 75%) or until you hear speakers begin to slightly start producing distortion.
5. Increase the amplifier level (clockwise) until distortion is heard, then back the level down (counter clockwise) until the distortion is eliminated. Small adjustments may need to be made to balance the levels of multiple amplifiers.

Common System Setup

2ch - Full Range

Diagram showing the XOVER and MODE switches for a 2-channel full range setup. The XOVER switch is set to FULL LPF HPF and the MODE switch is set to MONO STEREO. A wiring diagram shows the speaker and output connections.

4ch - Full Range

Diagram showing the XOVER and MODE switches for a 4-channel full range setup. The XOVER switches are set to FULL LPF HPF and the MODE switch is set to MONO STEREO. A wiring diagram shows the speaker and output connections for two channels.

4ch - Mixed Mono

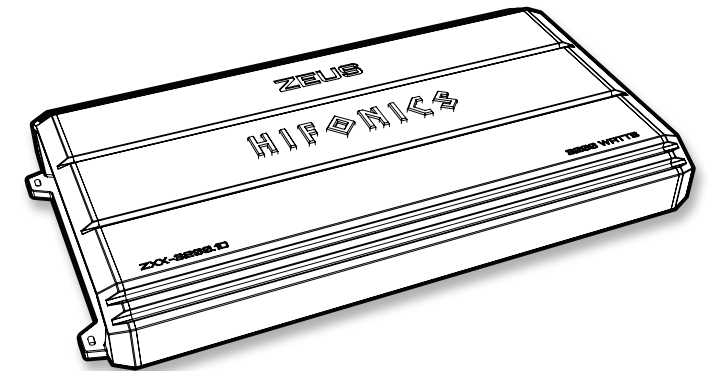
Diagram showing the XOVER and MODE switches for a 4-channel mixed mono setup. The XOVER switches are set to FULL LPF HPF and the MODE switch is set to MONO STEREO. A wiring diagram shows the speaker and output connections for two channels.

Mono

Diagram showing the XOVER and MODE switches for a mono setup. The XOVER switch is set to SUBSONIC LPF and the MODE switch is set to MONO STEREO. A wiring diagram shows the speaker and output connections.

HIFONICS

Quick Start Installation Guide



ZXX-500.2
 ZXX-600.4
 ZXX-1000.4
 ZXX-1200.10
 ZXX-1800.10
 ZXX-2000.4
 ZXX-2400.10
 ZXX-3200.10

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