

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. Check the operation manual for your vehicle or contact the dealer.

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. Visit our website for multi amp system cable recommendations.

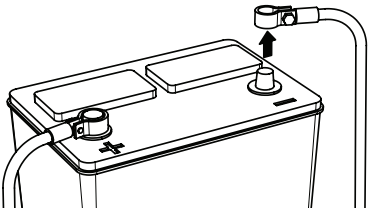
Be sure to use the proper fuse size for each model.

Model	Fuse Size	Cable Size
FA2-400.4	External 40A	4ga
FA2-900.5	External 100A	
FA2-1000.1	External 80A	
FA2-1500.1	External 100A	
FA2-2000.1	External 125A	

Installation

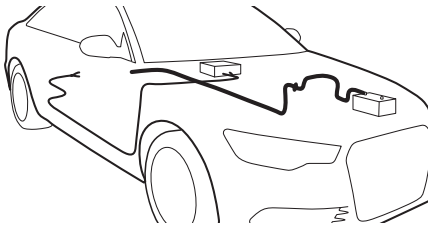
1 Disconnect negative battery terminal

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



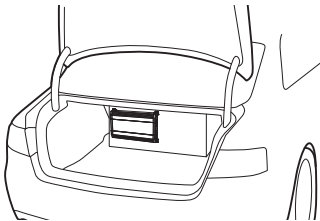
2 Run Cables

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



3 Mount Amplifier

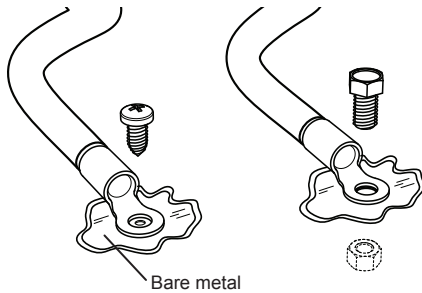
Choose a mounting location that will provide adequate air ventilation. Mount the amplifier to a secure surface. Do not mount the amplifier upside down.



4 Chassis Ground

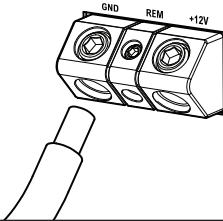


The chassis ground connection is critical to the performance of the amplifier. Choose a location that is close to the amplifier. Completely scrape away the paint and use a nut and bolt if possible.
DO NOT USE AN EXISTING FACTORY BOLT!



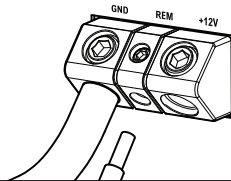
5 Negative Power Connection

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



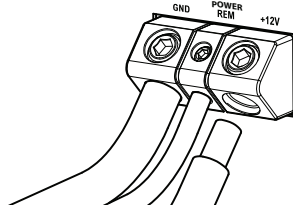
6 Remote Turn-on Connection

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



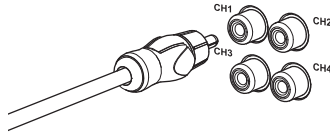
7 Positive Power Connection

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 coordinating RCA input number that will match the speaker outputs number.



9 Turn on Mode

REM turn on (Remote wire turn on) when using High Level Input
- DC turn on
- Signal Sense turn on



NOTE - If the RCA's are plugged into the amplifier and the TURN ON MODE is in the DC ON position, the amplifier will NOT turn on. Please re-read QR document above or hire a professional installer.

Auto-Sense Technical Guide

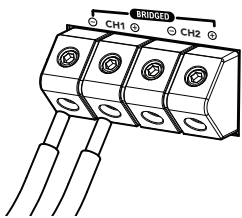


MODE

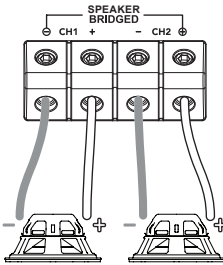


10 Speaker Connections

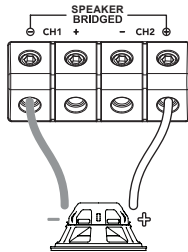
Using spade terminals, connect the speaker cables to the speaker output connectors. Follow the diagram below that best fits your speaker configuration.



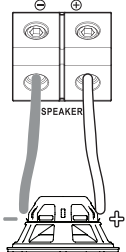
Stereo



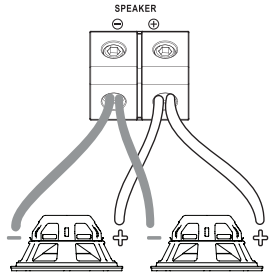
Bridged



Monoblock single woofer

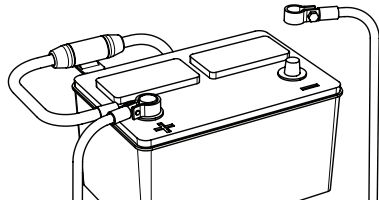


Monoblock multiple woofers



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.

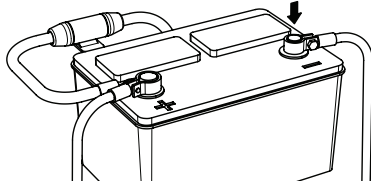


Be prepared to disarm your vehicle's alarm and to enter your radio / source unit code.



12 Re-connect Negative Battery Terminal

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



Setup

A

Input Mode

2CH-Input CH1/CH2
Output CH1/CH2/CH3/CH4 (FA2-400.4)
Output CH1/CH2/CH3/CH4/CH5 (FA2-900.5)

4CH-Input CH1/CH2/CH3/CH4
Output CH1/CH2/CH3/CH4 (FA2-400.4)
Output CH1/CH2/CH3/CH4/CH5 (FA2-900.5)

5CH-Input CH1/CH2/CH3/CH4/CH5
Output CH1/CH2/CH3/CH4/CH5 (FA2-900.5)

INPUT MODE

INPUT MODE

B

Crossover Mode

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

X-OVER

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.

HPF

SUBSONIC

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.

LPF

E

Bass Boost

The Bass Boost 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.

BASS BOOST

F

Remote Level Control

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

MBQ-U-01

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.

LEVEL

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

Mono

SUB SONIC

LOW PASS

10Hz 40Hz

40Hz 300Hz

Diagram of Mono setup showing a single speaker connected to the amplifier.

4ch - Full Range

X-OVER

LPF/HPF

HPF LPF FULL

40Hz 400Hz

X-OVER

LPF/HPF

HPF LPF FULL

40Hz 400Hz

Diagram of 4ch - Full Range setup showing four speakers connected to the amplifier.

4ch - Mixed Mono

X-OVER

LPF/HPF

HPF LPF FULL

40Hz 400Hz

X-OVER

LPF/HPF

HPF LPF FULL

40Hz 400Hz

Diagram of 4ch - Mixed Mono setup showing two speakers connected to the amplifier in a bridged configuration.

5ch

Diagram of 5ch setup showing five speakers connected to the amplifier.

The information contained within this document is intended to offer some basic guidelines for a few of the most common installations. More complex audio systems should be installed by a competent professional. Additional installation information available at www.maxxsonics.com

WARRANTY

Maxxsonics, LLC. warrants this product, to the original consumer purchaser, to be free from defects in material and workmanship for a period of one (1) year from the date of purchase. Maxxsonics, LLC. will, at it's discretion, repair or replace defective products during the warranty period. Components that prove to be defective in materials and workmanship under proper installation and use must be returned to the original authorized Maxxsonics, LLC. retailer from where it was purchased. A photocopy of the original receipt must accompany the product being returned. The costs associated with removal, re-installation and freight are not the responsibility of Maxxsonics, LLC. This warranty is limited to defective parts and specifically excludes any incidental or consequential damages connected therewith. To view the full warranty, please visit the website.

MB Quart products are designed and engineered in the USA by

MAXXSONICS

www.maxxsonics.com

MBQ FA2 QSG 01 - rev1

Quick Start Installation Guide

- FA2-400.4
- FA2-900.5
- FA2-1000.1
- FA2-1500.1
- FA2-2000.1

Congratulations on your choice of a MB Quart amplifier. This “Quick Start Installation” guide is meant to help you “hook up” and play music. For more detailed information, on system setting, speaker and subwoofer configuration and full specifications by model visit the website, <https://mbquart.com/product-manuals/>