

# MBQUART<sup>®</sup>

MUSIC. DEFINED.

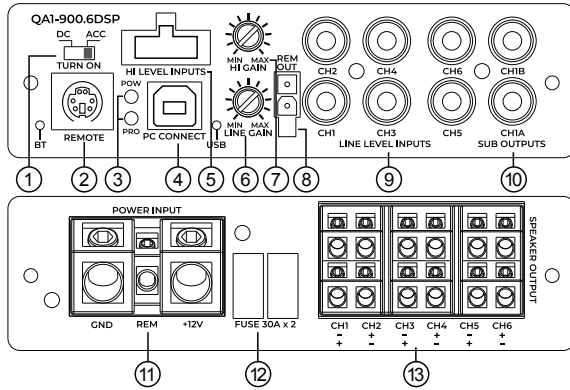
## Quick Start Installation Guide



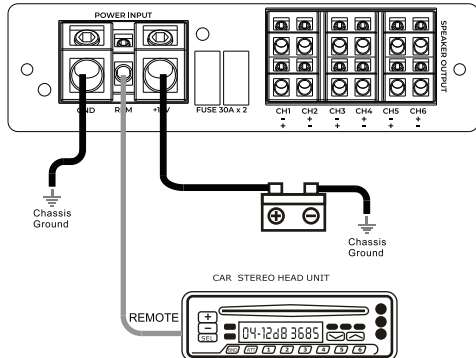
**QA1-900.6DSP**  
**QA1-1500.1D**

# QA1-900.6DSP

## Panel Controls & Features

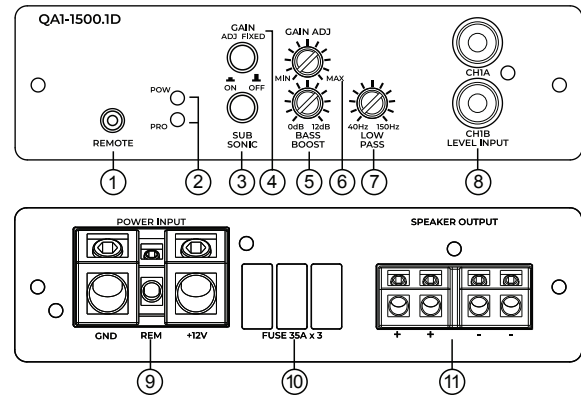


- |                                 |                          |
|---------------------------------|--------------------------|
| 1. Remote Turn on switch DC/ACC | 8. Remote Turn on Output |
| 2. Remote Control Input         | 9. Line Level Inputs     |
| 3. Power/Protect                | 10. Subwoofer Outputs    |
| 4. PC-Connect                   | 11. Power Input          |
| 5. High-Level Input             | 12. Fuse                 |
| 6. Line Level Input Gain        | 13. Speaker Output       |
| 7. High Level Input Gain        |                          |

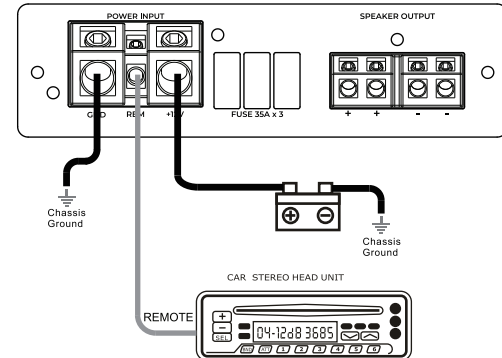


# QA1-1500.1D

## Panel Controls & Features



- |                                   |                     |
|-----------------------------------|---------------------|
| 1. Bass Remote Input              | 7. Low Pass         |
| 2. Power/Protect                  | 8. Line Level Input |
| 3. Subsonic Filter                | 9. Power Input      |
| 4. Gain Mode: Fixed or Adjustable | 10. Fuse            |
| 5. Bass Boost                     | 11. Speaker Output  |
| 6. Gain Adjustment                |                     |





## 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 & 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 OFC wire. Visit our website for multi amp system cable recommendations.

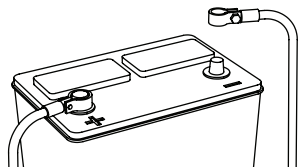
Be sure to use the proper fuse size for each model.

Model	Fuse	Cable
QA1-900.6DSP	30A x 2 External	4ga
QA1-1500.1D	35A x 3 External	

## Installation

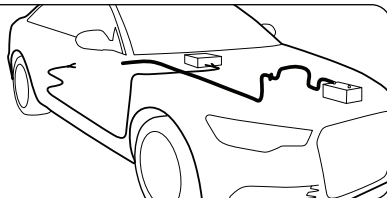
### 1 Disconnect negative battery terminal

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



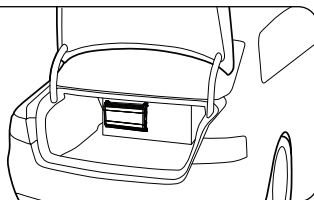
### 2 Run Cables

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



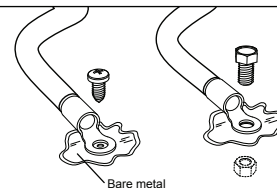
### 3 Mount Amplifier

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



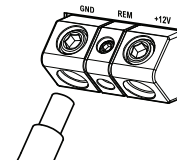
### 4 Chassis Ground

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!**



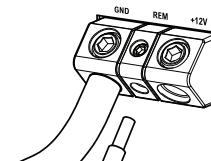
### 5 Negative Power Connection

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



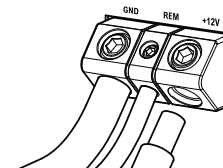
### 6 Remote Turn-On Connection

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 secure.



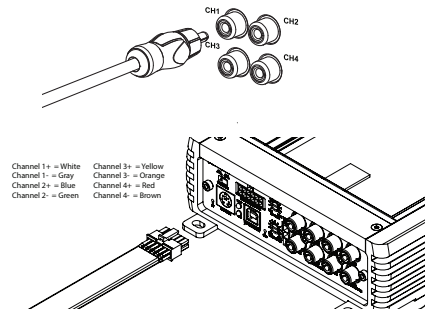
### 8 Signal Input Connection

Connect the RCA cables to the coordinating RCA input number that will match the speaker output number.

or

Connect the high-level input wires to the matching factory speaker wires so each channel corresponds with the correct input to the amplifier.

QA1-900.6DSP Only\*

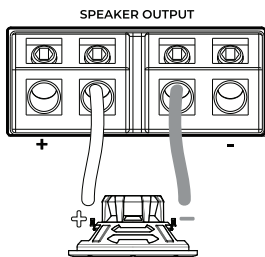


Channel 1+ = White  
Channel 1- = Gray  
Channel 2+ = Blue  
Channel 2- = Green

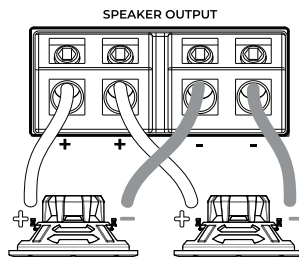
Channel 3+ = Yellow  
Channel 3- = Orange  
Channel 4+ = Red  
Channel 4- = Brown

## 10 Speaker Connection

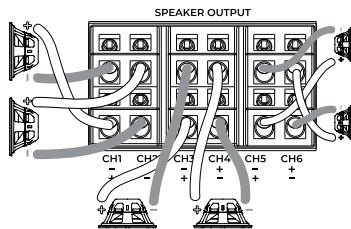
Follow the diagram below that best fits your speaker configuration.



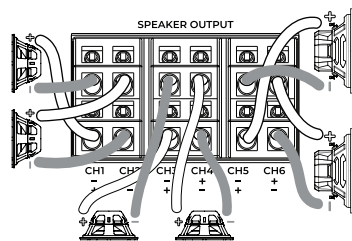
QA1-1500.1D  
**MONOBLOCK** Single Woofer  
4 Ohms



QA1-1500.1D  
**MONOBLOCK** Multiple Woofers  
2 Ohms



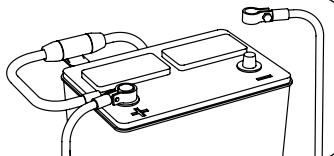
QA1-900.6DSP  
4-Speaker | 2-Tweeters



QA1-900.6DSP  
4-Speaker | 2-Subwoofers

## 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.

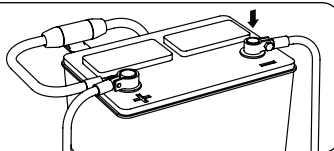


**Be prepared to disarm your vehicle's alarm and to enter your radio / source unit code.**



## 12 Re-Connect Negative Battery Terminal

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

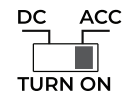


## QA1-900.6DSP Setup

### A Remote Turn on Swith DC/ACC

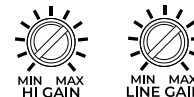
DC - select this for High level input if you dont have a remote turn on from a radio.

ACC - Select this for Low or high level and connect the remote turn on to a Switched 12v source.



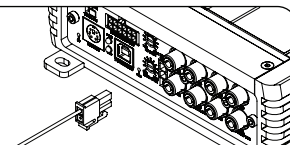
### B Hi Gain/Line Gain

These are your input gain adjustments.



### C Remote Turn-on Output

This output provides a delayed remote turn on output for your QA1-1500.1D.

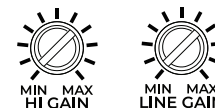


### D Level Settings



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 when you hear the speakers produce distortion, reduce volume slowly until no distortion is heard.
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.

## E Bass Controller

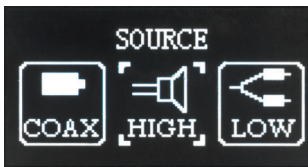
### Functions:

- Controlling audio streaming playback
- Preset selection
- Input source selection
- Control of the main volume
- Subwoofer level control



In the main menu, the main volume can be adjusted using the rotary knob. Controller range = -40 to 6

**NOTE:** After about 5 seconds of inactivity, the display always switches back to the main menu.



In the main menu, briefly press the rotary knob 2x to display the **SOURCE** menu. The desired input source can be selected using the rotary knob and confirmed by pressing the rotary knob.



The playback of the audio streaming can be controlled using the three hardware buttons next to the display.



In the main menu, briefly press the rotary knob 1x to display the **SUB**. The subwoofer level can then be adjusted using the rotary knob. Controller range = -40 to 6



In the main menu, briefly press the rotary knob 3x to display the **MEMORY** menu. The desired preset can then be selected using the rotary knob and confirmed by pressing the rotary knob.

## QA1-1500.1D Setup

### A Subsonic Adjustment

This is a crossover filter @27Hz is designed to protect your subwoofer from ultra low frequency damage.



### B 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



### C 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.



### D Bass Controller

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



### E Level Settings

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!**



- If possible, with the source unit off, confirm that the primary volume control is turned down (counter clockwise).
- 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.
- 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.
- Stop increasing the source unit volume when you reach 3/4 (about 75%) or when you hear the speakers produce distortion, reduce volume slowly until no distortion is heard.
- 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.

# Specifications

Model	QA1-900.6DSP	QA1-1500.1D
1-Ohm	N/A	1 x 1500w
2-Ohms	6 x 150w	1 x 1100w
4-Ohms	6 x 90w	1 x 750w
Mono Bridged @ 4 Ohms	3 x 300w	N/A
Equalizer	31 band parametric EQ	N/A
Signal to Noise Ratio	76dB @ 1 Watt	80dB @ 1 Watt
Signal to Noise Ratio	96dB @ Full Rated Power	108dB @ Full Rated Power
Bass Boost	N/A	12dB @52Hz
Low-Pass Filter	N/A	40Hz-150Hz
Subsonic Filter	N/A	Switched @ 27Hz
High-Pass Frequency	20hZ - 20khZ	N/A
Low-Pass Frequency	20hZ - 20khZ	N/A
Subsonic	15Hz - 50Hz	N/A
Control Center Display	Yes	No
Bass Remote	No	Yes

## Control Center Display Specifications

Bluetooth Version	5.0
Frequency Range	2.400 - 2.484MHz
Max Emitted power	30 dBm

## 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 its 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 there with. To view the full warranty, please visit the website.

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](http://www.maxxsonics.com)

MB Quart products are designed and engineered in the USA by  
**MAXXSONICS**  
[www.maxxsonics.com](http://www.maxxsonics.com)