

# Owner's Manual

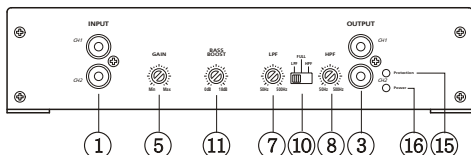


|                 |                  |
|-----------------|------------------|
| <b>RD-852</b>   | <b>RD-1000.1</b> |
| <b>RD-554</b>   | <b>RD-1750.1</b> |
| <b>RD-550.1</b> | <b>RD-3250.1</b> |
| <b>RD-850.1</b> | <b>RD-5750.1</b> |
|                 | <b>RD-7250.1</b> |

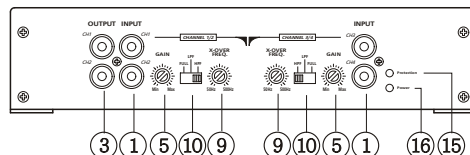
**[www.RDaudio.net](http://www.RDaudio.net)**

## Controls

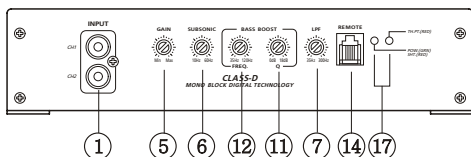
RD-852 Front



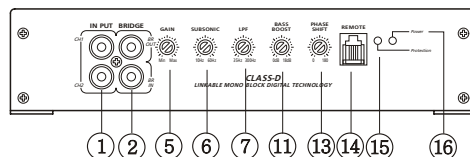
RD-554 Front



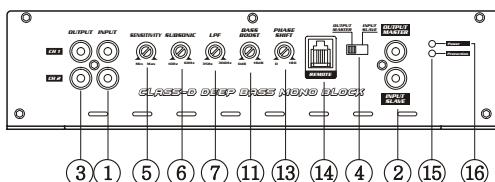
RD-550.1 / 850.1 Front



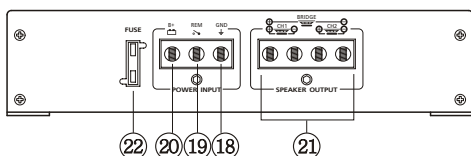
RD-1000.1 / 1750.1 / 3250.1 Front



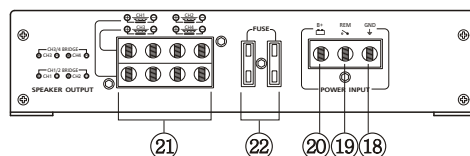
RD-5750.1 / 7250.1 Front



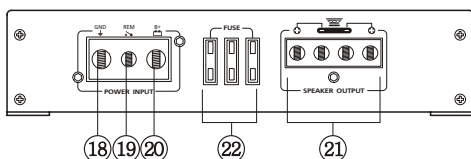
RD-852 Rear



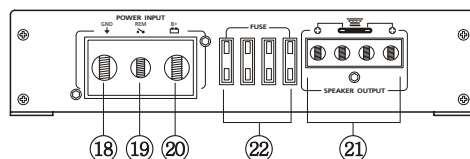
RD-554 Rear



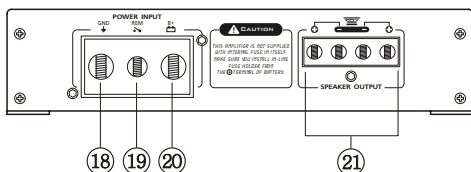
RD-550.1 / 850.1 / 1000.1 Rear



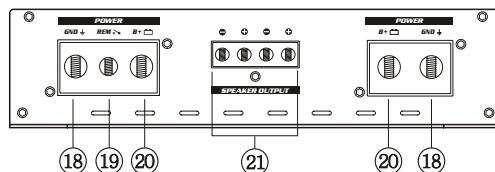
RD-1750.1 Rear



RD-3250.1 Rear



RD-5750.1 / 7250.1 Rear



## ***Controls***

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- 1. LINE INPUT :** It is connected with source's line output
- 2. BRIDGEABLE INPUT & OUTPUT :** It is adopted for bridge mode (master & slave) condition.
- 3. LINE OUTPUT :** Full range output from channel L(CH1) & R(CH2) inputs is provided at line out Jacks.
- 4. SWITCH FOR MASTER / SLAVE OPERATION :** Slide switch to define each amp being either master or slave.
- 5. INPUT (GAIN) SENSITIVITY:** Please note: this is not a volume control.  
The input (gain) control permits matching head unit signal output from 0.2V to 6V.
- 6. SUBSONIC FILTER FREQUENCY CONTROL :** Adjustable from 10 to 60 Hz, 24 dB/oct.
- 7. LOW PASS FILTER FREQUENCY :** Adjustable from 35 to 300Hz (RD-852 : 50 to 500Hz), 24 dB/oct.
- 8. HIGH PASS FILTER FREQUENCY :** Adjustable from 50 to 500Hz, 24 dB/oct.
- 9. CROSSOVER FREQUENCY CONTROL :** Adjustable from 50 to 500Hz, 24 dB/oct.
- 10. CROSSOVER SWITCH :** Use this switch to select the desired crossover setting, Full/High pass/Low pass for the speaker outputs.
- 11. BASS-BOOST CONTROL :** Adjustable from 0 to +18 dB.
- 12. BASS-BOOST FREQUENCY CONTROL :** Adjustable from 35 to 120Hz.
- 13. PAHSE SHIFT CONTROL :** Adjustable from 0° to 180°.
- 14. WIRED REMOTE JACK :** It provides a connection between the wired remote controller and amplifiers. It allows you to tune the subwoofer levels to compensate for the variable bass volumes between different audio sources. Once it is plugged-in, you can control bass volume, or iginated basic adjustment of input level control.
- 15. PROTECTION LED :** It illuminates when the fault condition exists, and the amplifier immediately shuts down. If illuminated, turn the amplifier off, check shorted speaker leads and DC noise from RCA input and attempt to re-power the amplifier.  
When amplifier overheats and thermal protection circuit shuts amplifier down, LED in red shall illuminated.
- 16. POWER LED :** It indicates that the amplifier is on and no fault exists.
- 17. POWER ON AND DIAGNOSTIC LED :** Green light for normal operation mode, red light when faulty condition occurs.  
When this happened, turn off the amplifier immediately and investigate the cause of the problem. Do not power the amplifier if problem was not solved.
- 18. GROUND TERMINAL :** Connect the amplifier to vehicle chassis.
- 19. REMOTE TERMINAL :** Connect to head unit remote output.
- 20. POWER TERMINAL :** Connect to battery +terminal.
- 21. SPEAKER TERMINALS :** It allows the connection of a speaker to the amplifier.
- 22. FUSE:** Protect the amplifier from harmful faulty occurrences.  
**RD-3250.1 / RD-5750.1 / RD-7250.1** - This amplifier is not supplied with internal fuse in itself. Make sure you install in-line fuse holder from the ⊕ terminal of battery.

## ***Installation***

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It is important that you read this manual very carefully and follow it for your installation carefully. Before you start your installation, please consider following concerns.

- 1.** Disconnect the negative (-) battery cable before mounting the amplifier or making any connections. Check the battery and alternator ground (-) connections. Make sure they are properly connected and free of corrosion.
- 2.** Before selecting a mounting location for amplifier, please take some concerns into consideration with cooling efficiency and safety.

RD AUDIO amplifier uses heavy-duty and good heat radiation heatsink design for avoiding excess heatsink from amplifier circuitry. But for better heat radiation performance, it is good to find the mounting location where you can install amplifier vertically with the heatsink fins and better air flow around amplifier. For the safety, you have to find fry and well ventilated location and make sure any wires cables and car equipment are not interfaced with amplifier installation. Be sure the mounting location and drilling of pilot cables for mounting will not present a hazard to any wires, control cables, fuel lines, fuel tanks, hydraulic lines or other vehicle systems or components.

### **3. Power connection**

Before installing amplifier, disconnect the negative(-) wire from battery to protect any accidental damage to your amplifier and system. RD-1750.1 / RD-3250.1 / RD-5750.1 / RD-7250.1 is designed to use 0 AWG POWER and GROUND cables. RD-3250.1 / RD-5750.1 / RD-7250.1 is not equipped with fuse so you have to install the fuse on power cable. Connection one end of fuse holder to the power cable and the other end of fuse holder to positive battery within 20cm of the same cable. Connect the power cable to the amplifier power terminal labeled as +12V. This fuse location will protect the system and the vehicle against the possibility of a short circuit in the power cable. Be sure to use a fuse and fuse holder adequate for the application. No fuse is required before the amplifier power connection.

### **4 Ground connection**

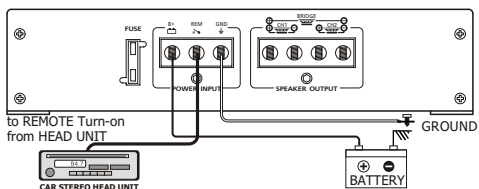
Locate a secure grounding connection as close to the amplifier as possible. Make sure the location is clean and provides a direct electrical connection to the frame of the vehicle. Connect one end of a short piece of the same size cables as the power cable to the grounding point. Run the other end of the cable to the amplifier mounting location. Connect the ground cable to the screw terminal labeled as GND.

### **5. Remote connection**

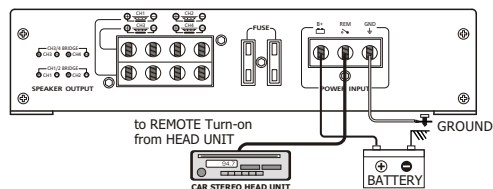
Run a remote turn on cable from the switched +12V source you will be using to turn on the system components. This may be a toggle switch, a relay, or your source unit's remote trigger wire, or power antenna trigger wire. Connect the remote turn on cable to the power terminal labeled as REM. Run this lead to the amplifier mounting location. Using 16AWG wire or larger.

## Installation

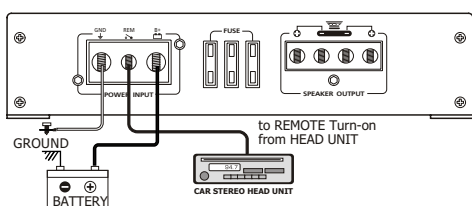
RD-852 Rear



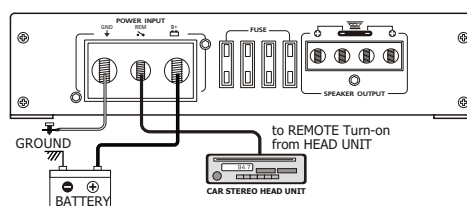
RD-554 Rear



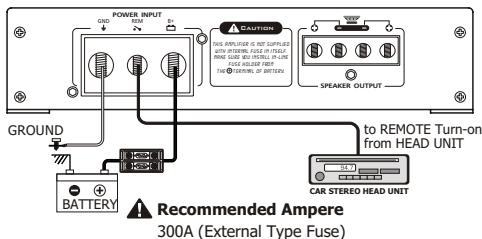
RD-550.1 / 850.1 / 1000.1 Rear



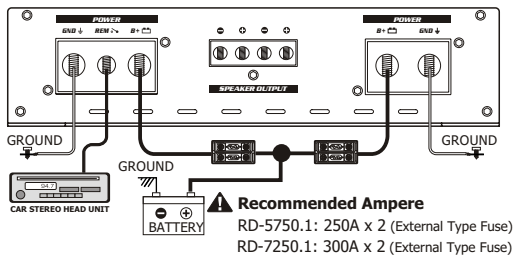
RD-1750.1 Rear



RD-3250.1 Rear



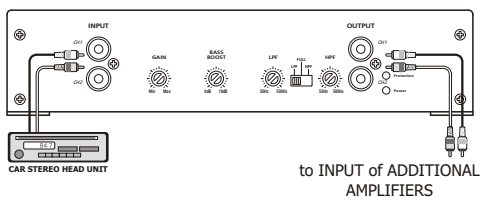
RD-5750.1 / RD-7250.1 Rear



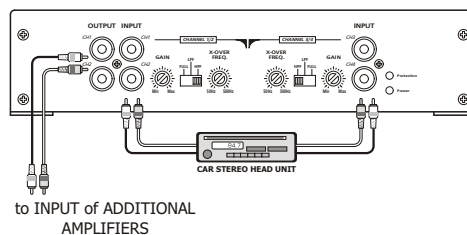
## RCA Connections

RD-852 / RD-554 / RD-550.1 / RD-850.1

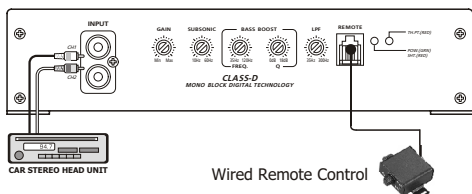
RD-852 Front



RD-554 Front



RD-550.1 / 850.1 Front

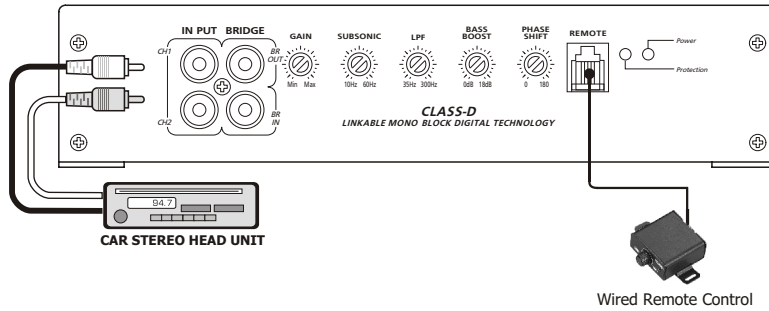


## RCA Connection

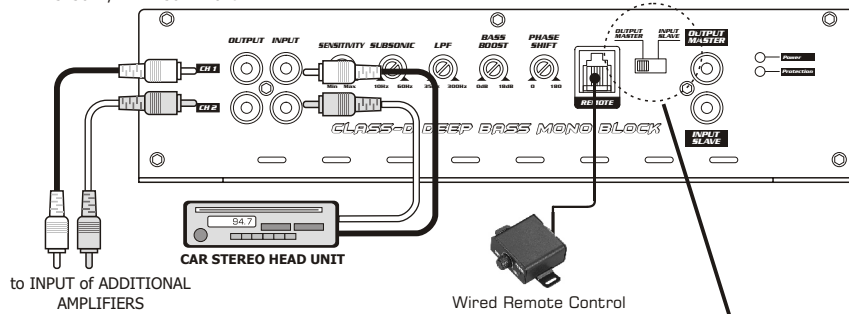
RD-1000.1 / RD-1750.1 / RD-3250.1 / RD-5750.1 / RD-7250.1

### Single Amp Input Connection

RD-1000.1 / 1750.1 / 3250.1 Front

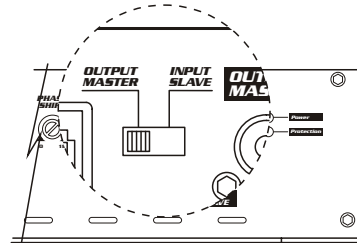


RD-5750.1 / RD-7250.1 Front



to INPUT of ADDITIONAL AMPLIFIERS

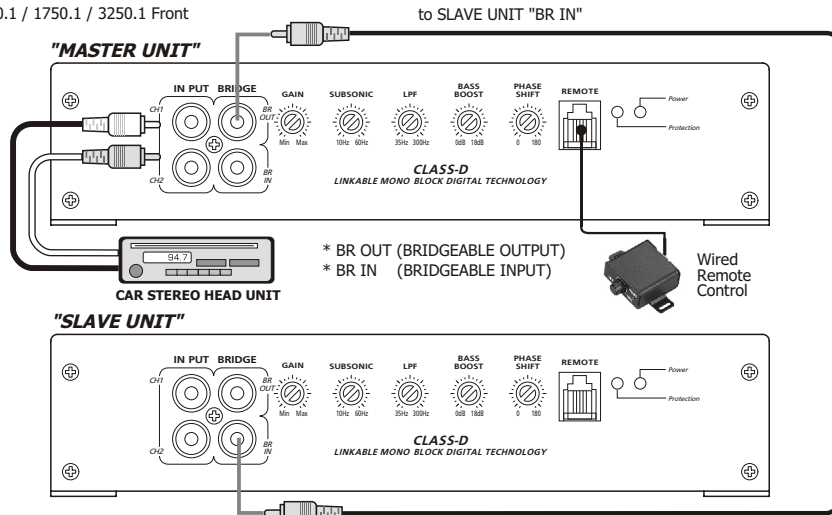
**\* If no sound, please check MASTER/SLAVE switch. The mode switch should be in "OUTPUT MASTER" position (If in "INPUT SLAVE" position, no sound will come out).**



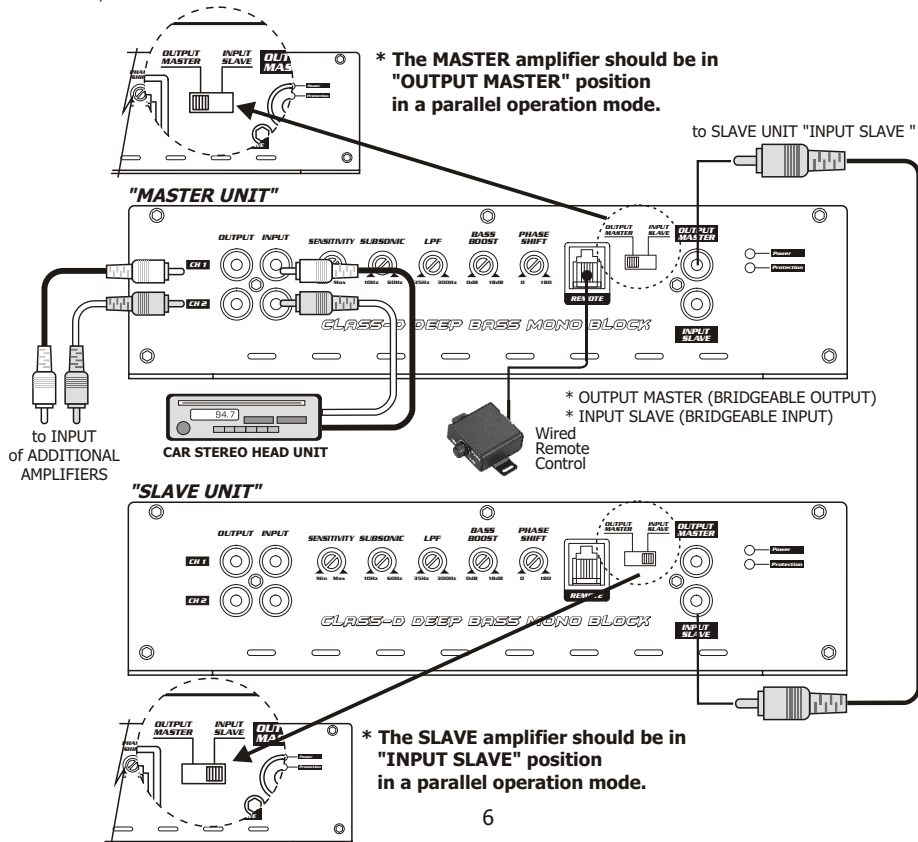
## RCA Connection

RD-1000.1 / RD-1750.1 / RD-3250.1 / RD-5750.1 / RD-7250.1  
Dual Amp Input Connection (MASTER & SLAVE RCA Connection)

RD-1000.1 / 1750.1 / 3250.1 Front



RD-5750.1 / RD-7250.1 Front

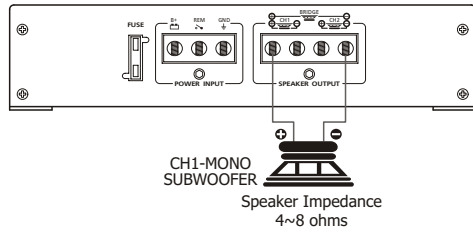


# Speaker Connection

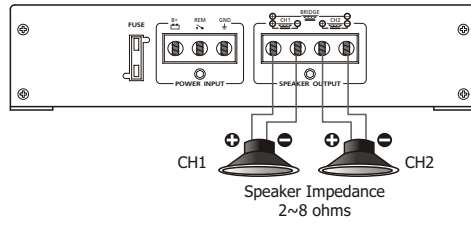
RD-852 / RD-554

RD-852 Rear

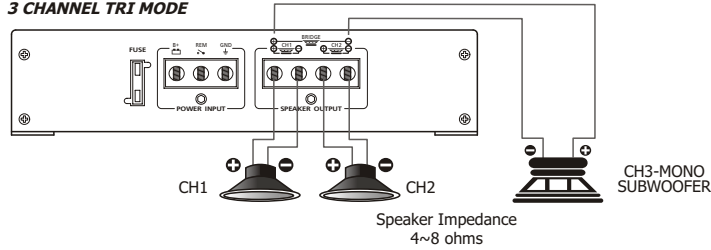
## 1 CHANNEL BRIDGED



## 2 CHANNEL STEREO

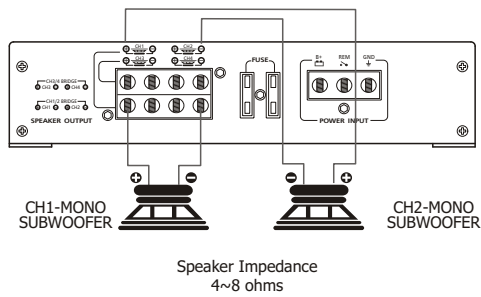


## 3 CHANNEL TRI MODE

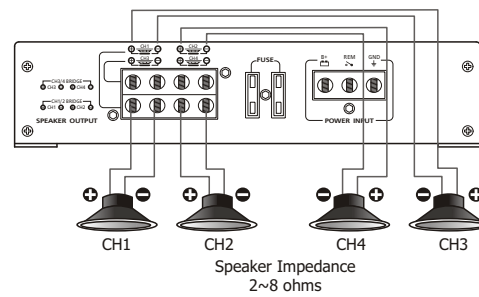


RD-554 Rear

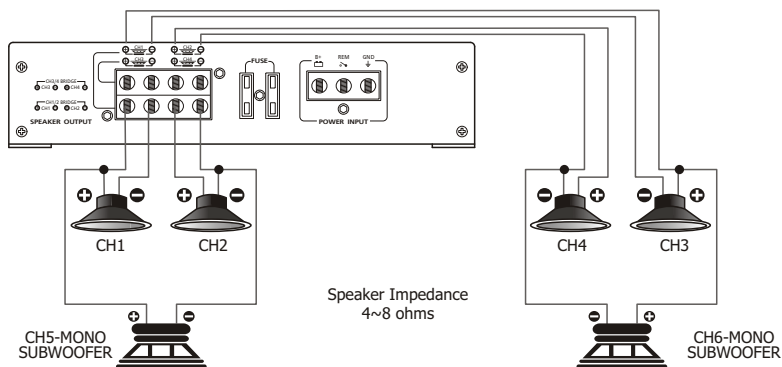
## 2 CHANNEL BRIDGED



## 4 CHANNEL STEREO



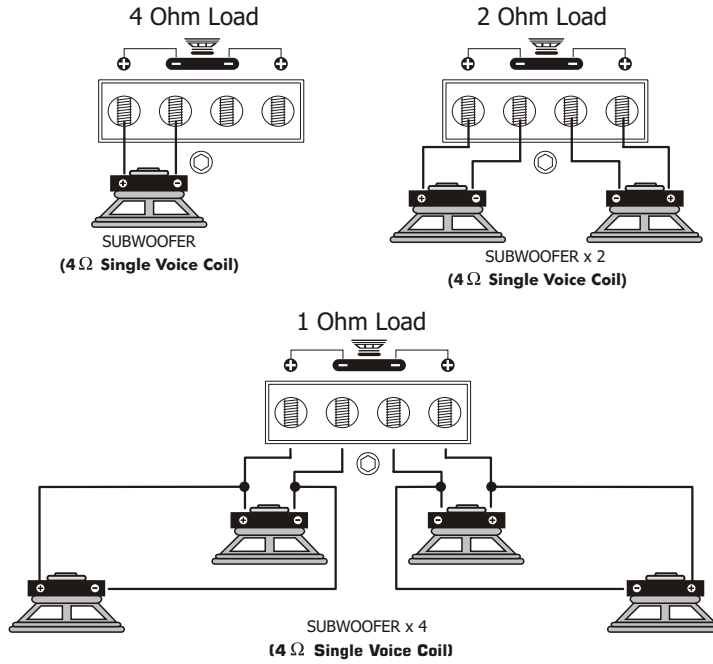
## 6 CHANNEL TRI MODE



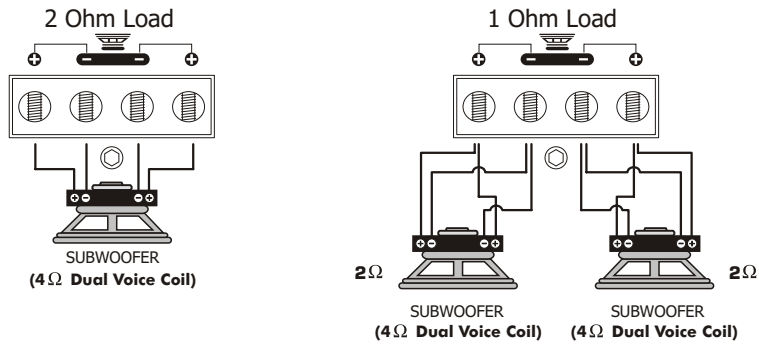
# Speaker Connection

RD-550.1 / RD-850.1

## 1. Single Voice



## 2. Dual Voice



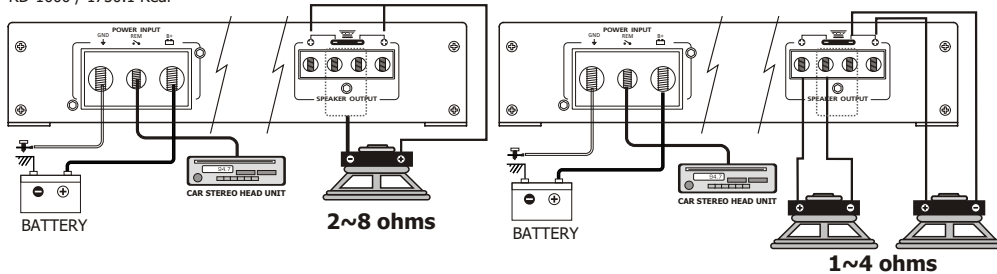
### ⚠ Caution

**This amplifier is not supplied with Bridged Mode. If you use this amplifier in Bridged Mode, great damages may occur. Use the amplifier in MONO mode only in compliance with above shown pictures.**

## Single Amp Power and Speaker Connection

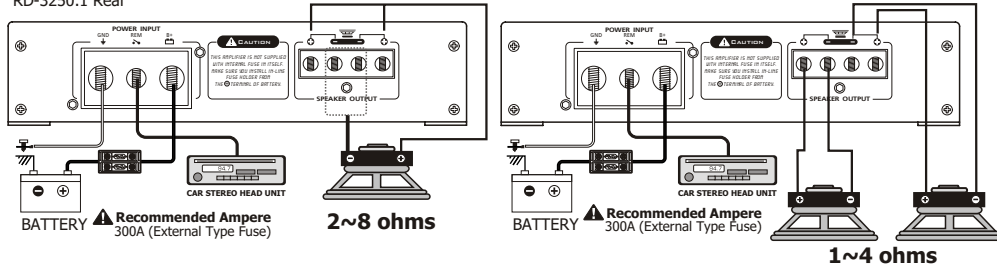
RD-1000.1 / RD-1750.1 / RD-3250.1 / RD-5250.1

RD-1000 / 1750.1 Rear



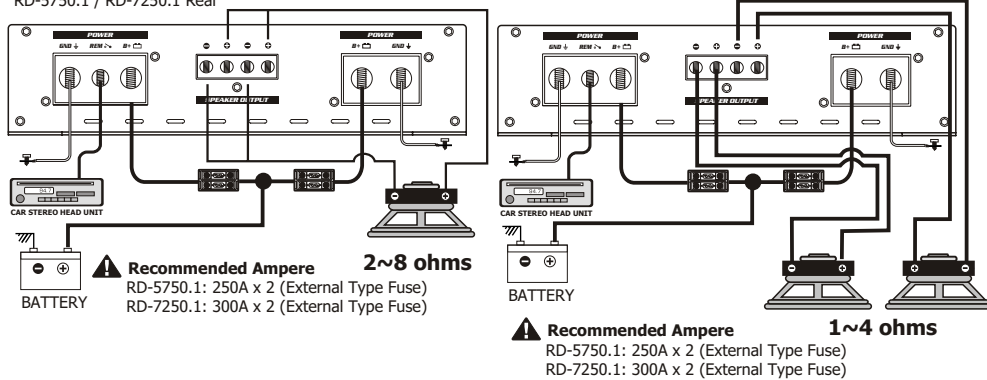
The positive and negative terminal of the subwoofer's voice coil are connected to the positive and negative terminal of the Amplifier.

RD-3250.1 Rear



The positive and negative terminal of the subwoofer's voice coil are connected to the positive and negative terminal of the Amplifier.

RD-5750.1 / RD-7250.1 Rear

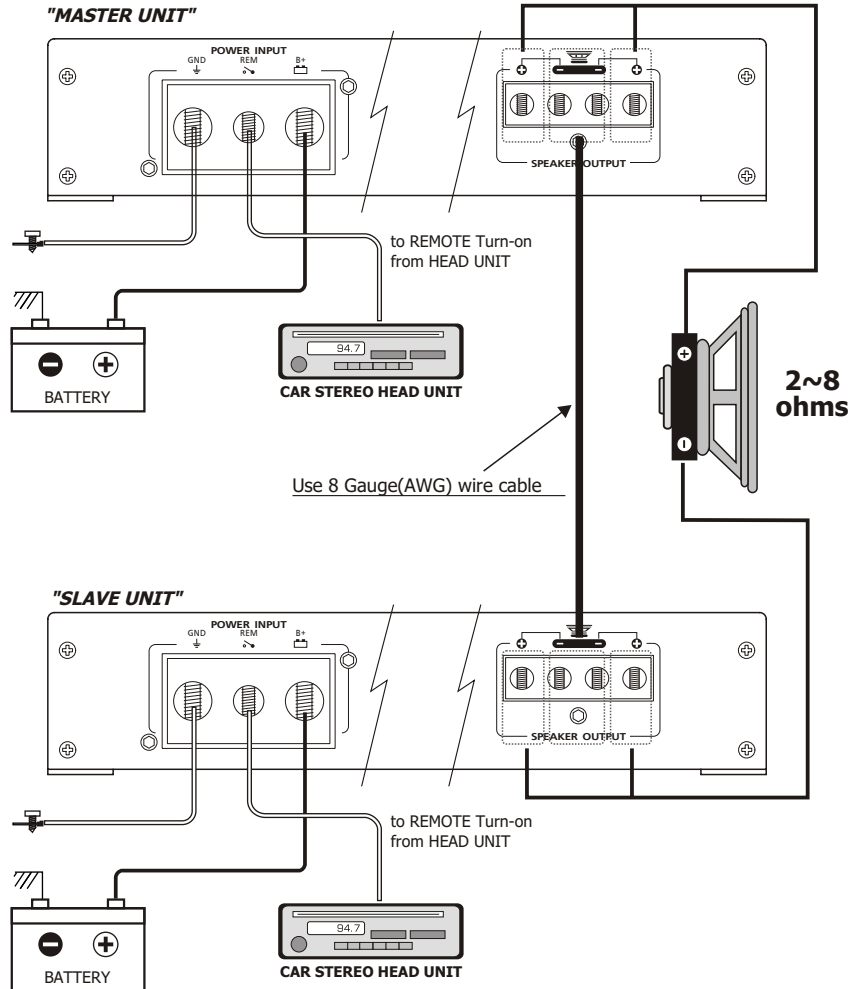


The positive and negative terminal of the subwoofer's voice coil are connected to the positive and negative terminal of the Amplifier.

## Dual Amp Power and Speaker Connection

RD-550.1 / RD-850.1 / RD-1000.1 / RD-1750.1

RD-550.1 / 850.1 / 1000.1 / 1750.1 Rear



Using a dual amplifier configuration, the MASTER amplifier has total control over the SLAVE amplifier. When using dual amplifier to operate subwoofer, the positive terminal of the subwoofer's voice coil must be connected to the positive terminal of the MASTER Amplifier and the negative terminal of the subwoofer's voice coil must be connected to positive terminal of the SLAVE Amplifier. Be advised that the dual amplifier configuration has tremendous output potential, so ensure that your subwoofers can handle such a large amount of power.

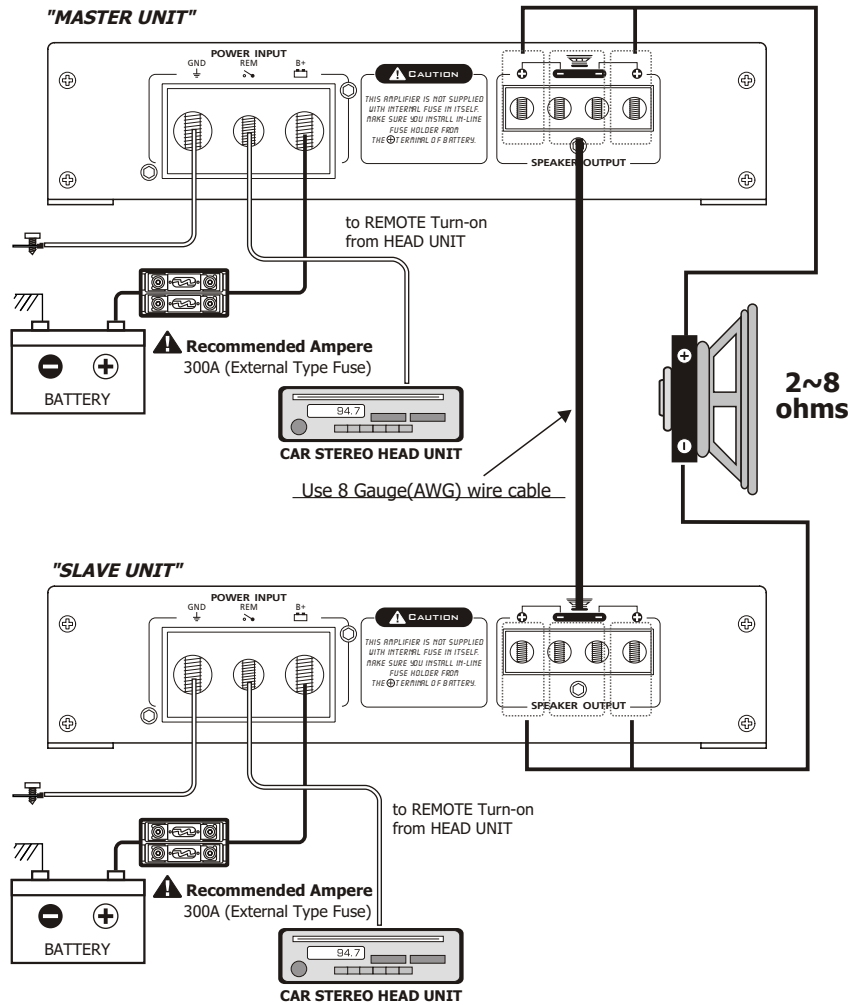
### **⚠ Caution**

When utilizing the dual amplifier configuration it is important to note that the connected speaker load can be no lower than 2 ohms. Connecting a lower impedance load can damage the amplifier and void your warranty

## Dual Amp Power and Speaker Connection

RD-3250.1

RD-3250.1 Rear



Using a dual amplifier configuration, the MASTER amplifier has total control over the SLAVE amplifier. When using dual amplifier to operate subwoofer, the positive terminal of the subwoofer's voice coil must be connected to the positive terminal of the MASTER Amplifier and the negative terminal of the subwoofer's voice coil must be connected to positive terminal of the SLAVE Amplifier. Be advised that the dual amplifier configuration has tremendous output potential, so ensure that your subwoofers can handle such a large amount of power.

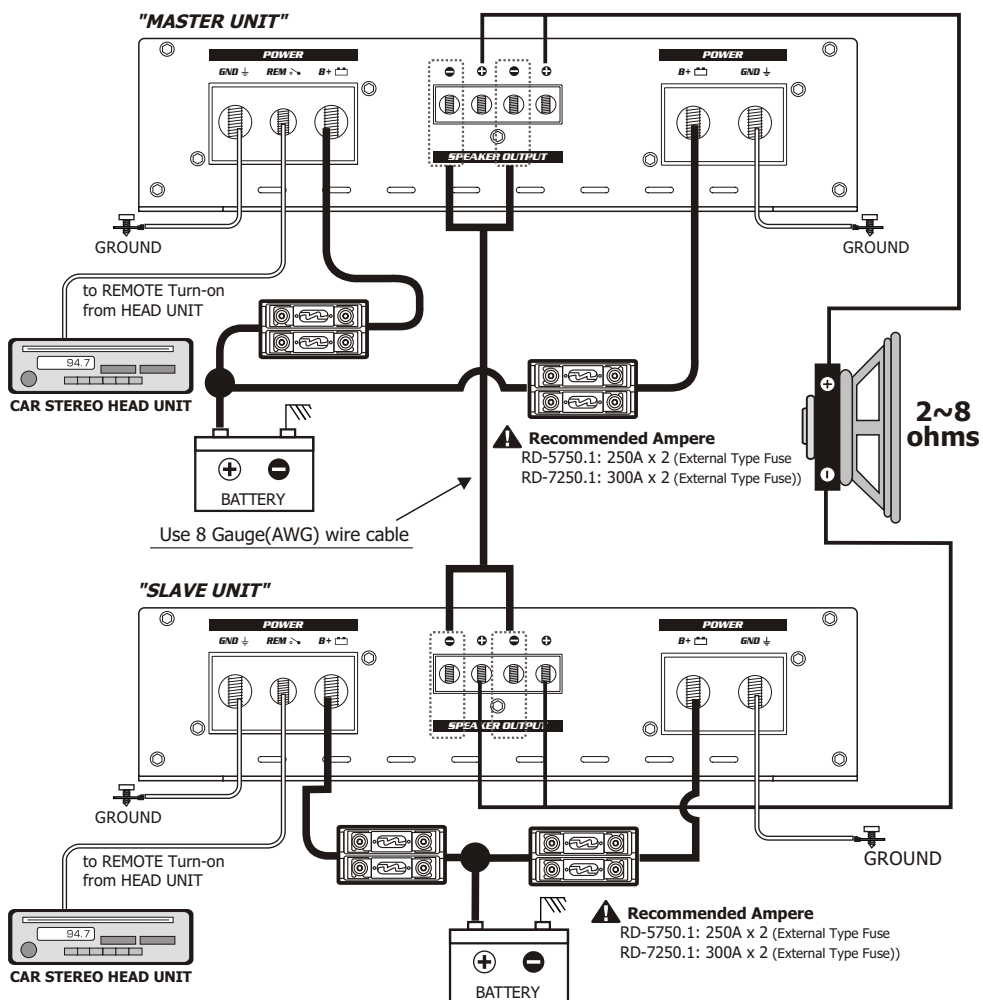
### ⚠ Caution

When utilizing the dual amplifier configuration it is important to note that the connected speaker load can be no lower than 2 ohms. Connecting a lower impedance load can damage the amplifier and void your warranty

## Dual Amp Power and Speaker Connection

RD-5750.1 / RD-7250.1

RD-5750.1 / RD-7250.1 Rear



Using a dual amplifier configuration, the MASTER amplifier has total control over the SLAVE amplifier. When using dual amplifier to operate subwoofer, the positive terminal of the subwoofer's voice coil must be connected to the positive terminal of the MASTER Amplifier and the negative terminal of the subwoofer's voice coil must be connected to positive terminal of the SLAVE Amplifier. Be advised that the dual amplifier configuration has tremendous output potential, so ensure that your subwoofers can handle such a large amount of power.

### ⚠ Caution

When utilizing the dual amplifier configuration it is important to note that the connected speaker load can be no lower than 2 ohms. Connecting a lower impedance load can damage the amplifier and void your warranty

## **Features**

### **RD-852**

- 2/1 channel bridgeable class-AB amplifier
- MOSFET PWM power supply
- 4 ohm bridged or/and 2 ohm stereo
- 18dB octave crossover slope
- 18dB bass boost equalization control variable
- Low pass (LPF) crossover variable
- High pass (HPF) crossover variable
- FULL/LPF/HPF selectable switch
- Multi-way protection circuitry  
(Thermal/over current/speaker short/speaker DC protection)
- RCA line input and output
- Tested voltage & THD: 14.4V & less than 0.05% THD
- Operating voltage : DC10V~15.5V power input

### **RD-554**

- 4/3/2 channel bridgeable class-AB amplifier
- MOSFET PWM power supply
- 4 ohm bridged or/and 2 ohm stereo
- 18dB octave crossover slope
- Variable crossover frequency with FULL/LPF/HPF selectable switch
- Multi-way protection circuitry  
(Thermal/over current/speaker short/speaker DC protection)
- RCA line input and output
- Tested voltage & THD: 14.4V & less than 0.05% THD
- Operating voltage : DC10V~16V power input

### **RD-550.1 / RD-850.1**

- Digital class-D mono block amplifier
- MOSFET PWM power supply
- Daisy-chain through output RCA
- Double sided through hole epoxy PCB
- Stable into 1 ohm load workable
- 24dB/oct, fully variable low pass (LPF) crossover
- 24dB/oct, fully variable subsonic filter
- 18dB/oct, fully variable adjustable bass-boost
- Variable frequency for bass boost
- Efficiency: 86% at 4 ohm, 100 Hz
- Multi-way protection circuitry  
(Thermal / over current / speaker short / speaker DC protection)
- RCA line input
- Tested voltage & THD : 14.4V & less than 1% THD
- Operating voltage : DC 10V~16V power input
- Wired remote controller

### **RD-1000.1 / RD-1750.1 / RD-3250.1**

- Digital class-D linkable mono block amplifier
- MOSFET PWM power supply
- Daisy-chain through output RCA
- Double sided through hole epoxy PCB
- Stable into 1 ohm and 2 ohm parallel amplifier connection availability
- 24dB/oct variable crossover
- Variable subsonic filter
- Variable bass boost
- Variable low pass filter
- Variable phase shift
- Efficiency : 86% @ 4 ohm, at 100Hz
- Multi-way protection circuitry  
(Thermal/over current/speaker short/speaker dc protection)
- RCA line input
- Tested voltage & THD : 14.4V & less than 1% THD
- Operating voltage : DC 10V~16V power input
- Wired remote controller

### **RD-5250.1 / 7250.1**

- Digital class-D linkable mono block amplifier
- Dual MOS-FET PWM power supplies
- Daisy-chain through output RCA
- Heavy duty cooper layer double sided epoxy PCB
- Stable into 1 ohm and 2 ohm parallel amplifier connection availability
- 24 dB low pass (LPF) crossover variable
- 18 dB bass boost equalization control variable
- 180 degree variable adjustable phase shift
- 24 dB subsonic filter variable
- **Selectable Switch for MASTER and SLAVE Operation**
- Speaker short, over current, thermal, and DC protection circuit
- RCA line input and line output
- 2 x 0 guage (AWG) battery input connectors
- Efficiency: 86% at 4 ohm, 100 Hz
- Tested voltage & THD : 14.4V and less than 1% THD at 4 ohm RMS watt
- Operating voltage: DC 10V ~ 18V power input
- Damping factor: better 350 into 1 ohm
- Wired remote controller

## **Specifications**

|                           | <b>RD-852</b>                    | <b>RD-554</b>                    |
|---------------------------|----------------------------------|----------------------------------|
| Rated power output        |                                  |                                  |
| -RMS power, 4 ohm stereo  | <b>85W x 2CH</b>                 | <b>55W x 4CH</b>                 |
| -RMS power, 2 ohm stereo  | <b>120W x 2CH</b>                | <b>75W x 4CH</b>                 |
| -RMS power, 4 ohm bridged | <b>240W x 1CH</b>                | <b>150W x 2CH</b>                |
| Signal to noise ratio     | <b>&gt;90dB</b>                  | <b>&gt;95dB</b>                  |
| Low pass crossover        | <b>50Hz ~ 500Hz</b>              | <b>50Hz ~ 500Hz</b>              |
| High pass crossover       | <b>50Hz ~ 500Hz</b>              | <b>50Hz ~ 500Hz</b>              |
| Bass boost @ 45Hz         | <b>0~18dB</b>                    | <b>—</b>                         |
| Frequency response        | <b>10Hz ~ 30KHz (+/-1dB)</b>     | <b>10Hz ~ 30KHz (+/-1dB)</b>     |
| T.H.D @ 4 ohms            | <b>&lt;0.05%</b>                 | <b>&lt;0.05%</b>                 |
| Channel separation        | <b>75dB</b>                      | <b>75dB</b>                      |
| Fuse rating               | <b>30A x 1</b>                   | <b>25A x 2</b>                   |
| Input sensitivity         | <b>200mV~6V (+/- 5%)</b>         | <b>200mV~6V (+/- 5%)</b>         |
| Dimensions                | <b>222(W) x 52(H) x 230(L)mm</b> | <b>222(W) x 52(H) x 280(L)mm</b> |

|                              | <b>RD-550.1</b>                  | <b>RD-850.1</b>                  |
|------------------------------|----------------------------------|----------------------------------|
| Rated power output           |                                  |                                  |
| -RMS power, 1 ohm mono       | <b>550W x 1CH</b>                | <b>850W x 1CH</b>                |
| -RMS power, 2 ohm mono       | <b>350W x 1CH</b>                | <b>530W x 1CH</b>                |
| -RMS power, 4 ohm mono       | <b>200W x 1CH</b>                | <b>300W x 1CH</b>                |
| Signal to Noise Ratio        | <b>&gt;100dB</b>                 | <b>&gt;100dB</b>                 |
| Low pass frequency crossover | <b>35Hz~300Hz</b>                | <b>35Hz~300Hz</b>                |
| Subsonic filter              | <b>10Hz~60Hz</b>                 | <b>10Hz~60Hz</b>                 |
| Bass boost @ 45Hz            | <b>0~18dB</b>                    | <b>0~18dB</b>                    |
| Bass boost control           | <b>35Hz~120Hz</b>                | <b>35Hz~120Hz</b>                |
| Frequency response           | <b>10Hz~350Hz (+/- 1dB)</b>      | <b>10Hz~350Hz (+/- 1dB)</b>      |
| T.H.D @ 4 ohm                | <b>&lt;0.1%</b>                  | <b>&lt;0.1%</b>                  |
| Efficiency @ 4 ohm           | <b>86%</b>                       | <b>86%</b>                       |
| Fuse rating                  | <b>20A x 3</b>                   | <b>25A x 3</b>                   |
| Input Sensitivity            | <b>200mV to 6V (+/- 5%)</b>      | <b>200mV to 6V (+/- 5%)</b>      |
| Dimensions                   | <b>222(W) x 52(H) x 270(L)mm</b> | <b>222(W) x 52(H) x 290(L)mm</b> |

|                                      | <b>RD-1000.1</b>                 | <b>RD-1750.1</b>                 |
|--------------------------------------|----------------------------------|----------------------------------|
| Rated power output                   |                                  |                                  |
| -RMS power, 2 ohm linkable/dual mono | <b>1800W x 1CH</b>               | <b>2900W x 1CH</b>               |
| -RMS power, 1 ohm mono               | <b>1050W x 1CH</b>               | <b>1750W x 1CH</b>               |
| -RMS power, 2 ohm mono               | <b>600W x 1CH</b>                | <b>860W x 1CH</b>                |
| Signal to Noise Ratio                | <b>&gt;100dB</b>                 | <b>&gt;100dB</b>                 |
| Low pass frequency crossover         | <b>35Hz~300Hz</b>                | <b>35Hz~300Hz</b>                |
| Subsonic filter                      | <b>10Hz~60Hz</b>                 | <b>10Hz~60Hz</b>                 |
| Bass boost @ 45Hz                    | <b>0~18dB</b>                    | <b>0~18dB</b>                    |
| Phase shift control                  | <b>0~180 degree</b>              | <b>0~180 degree</b>              |
| Frequency response                   | <b>10Hz~350Hz (+/- 1dB)</b>      | <b>10Hz~350Hz (+/- 1dB)</b>      |
| T.H.D @ 4 ohm                        | <b>&lt;0.1%</b>                  | <b>&lt;0.1%</b>                  |
| Efficiency @ 4 ohm                   | <b>86%</b>                       | <b>86%</b>                       |
| Fuse rating                          | <b>30A x 3</b>                   | <b>40A x 4</b>                   |
| Input Sensitivity                    | <b>200mV to 6V (+/- 5%)</b>      | <b>200mV to 6V (+/- 5%)</b>      |
| Dimensions                           | <b>222(W) x 52(H) x 290(L)mm</b> | <b>222(W) x 52(H) x 430(L)mm</b> |

|                                      | <b>RD-3250.1</b>                 | <b>RD-5750.1</b>                 | <b>RD-7250.1</b>                 |
|--------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Rated power output                   |                                  |                                  |                                  |
| -RMS power, 2 ohm linkable/dual mono | <b>5600W x 1CH</b>               | <b>9000W x 1CH</b>               | <b>13000W x 1CH</b>              |
| -RMS power, 1 ohm mono               | <b>3500W x 1CH</b>               | <b>5500W x 1CH</b>               | <b>7250W x 1CH</b>               |
| -RMS power, 2 ohm mono               | <b>1600W x 1CH</b>               | <b>3200W x 1CH</b>               | <b>4800W x 1CH</b>               |
| Signal to Noise Ratio                | <b>&gt;100dB</b>                 | <b>&gt;100dB</b>                 | <b>&gt;100dB</b>                 |
| Low pass frequency crossover         | <b>35Hz~300Hz</b>                | <b>35Hz~300Hz</b>                | <b>35Hz~300Hz</b>                |
| Subsonic filter                      | <b>10Hz~60Hz</b>                 | <b>10Hz~60Hz</b>                 | <b>10Hz~60Hz</b>                 |
| Bass boost @ 45Hz                    | <b>0~18dB</b>                    | <b>0~18dB</b>                    | <b>0~18dB</b>                    |
| Phase shift control                  | <b>0~180 degree</b>              | <b>0~180 degree</b>              | <b>0~180 degree</b>              |
| Frequency response                   | <b>10Hz~350Hz (+/- 1dB)</b>      | <b>10Hz~350Hz (+/- 1dB)</b>      | <b>10Hz~350Hz (+/- 1dB)</b>      |
| T.H.D @ 4 ohm                        | <b>&lt;0.1%</b>                  | <b>&lt;0.1%</b>                  | <b>&lt;0.1%</b>                  |
| Efficiency @ 4 ohm                   | <b>86%</b>                       | <b>86%</b>                       | <b>86%</b>                       |
| Fuse rating                          | <b>300A(external type fuse)</b>  | <b>500A(external type fuse)</b>  | <b>600A(external type fuse)</b>  |
| Input Sensitivity                    | <b>200mV to 6V (+/- 5%)</b>      | <b>200mV to 6V (+/- 5%)</b>      | <b>200mV to 6V (+/- 5%)</b>      |
| Dimensions                           | <b>222(W) x 52(H) x 590(L)mm</b> | <b>222(W) x 52(H) x 620(L)mm</b> | <b>222(W) x 52(H) x 870(L)mm</b> |

## ***Trouble Shooting***

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This power amplifier has protection features to prevent any damages from misuse or faulty conditions. If the unit senses excessive heat, short circuited speakers or overload, the protection indicators will light, and the system will be turned off. In order to check the occurred problem, you should turn all levels down and all power off and carefully check the installation for wiring mistakes or short. If the amplifier shuts down due to excessive heat, the protection indicators will not light : simply allow time for the unit to cool. Before removing your amplifier, refer to the list below and follow the suggested procedures. Always test the speakers and their wires first.

### **AMPLIFIER IS NOT POWERED UP**

- Check that there is battery power on the +12V terminal.
- Check that remote terminal has at least 13.8V DC remote connection.
- Check a good ground connection. Check all fuses.
- Check the protection LED is not lit.

### **PROTECTION LED ILLUMINATES WHEN AMPLIFIER IS POWERED UP**

- Check shorts on speaker wires.
- Remove speaker wires and reset the amplifier. If the protection LED still comes on, then the amplifier is faulty.

### **FUSE BLOWING**

- Check that the minimum speaker impedance is correct.
- Check short on power cable and vehicle chassis.

### **OVERHEATING**

- Check that the minimum speaker impedance is correct.
- Check speaker shorts.
- Check that there is a good airflow around the amplifier.

### **SOUND TOO LOW-DISTORTED SOUND**

- Check that the input level control is set to match the output level of the unit.
- Check the head unit volume.
- Check speaker shorts.
- Check that crossover frequencies have been properly set.

### **HIGH HISS-ENGINE NOISE IN SPEAKERS**

- Check a good ground and for speaker shorts.
- Disconnect all RCA inputs from the amplifier. If hiss/noise disappears, check it with a good RCA interconnect. Then check the component driving the amplifier.

