

---

# SOUNDSTREAM

T E C H N O L O G I E S

## Owner's Manual and Installation Guide

# RUBICON

RUB1.1000D

RUB1.1600D

RUB1.2500D

---

## CONGRATULATIONS!

You now own a Limited Edition RUBICON Amplifier, the product of an uncompromising design and engineering philosophy.

To maximize the performance of your system, we recommend that you thoroughly acquaint yourself with its capabilities and features. Please retain this manual and your sales receipt for future reference.

Soundstream amplifiers are the result of American innovation and the highest quality control standards. When properly installed, they will provide you with many years of listening pleasure. Should your amplifier ever need service or replacement due to theft, please record the following information which will help protect your investment.

**Serial #** \_\_\_\_\_

**Dealer's Name** \_\_\_\_\_

**Date of Purchase** \_\_\_\_\_

**Installation Shop** \_\_\_\_\_

**Installation Date** \_\_\_\_\_

### **CAUTION!**

Prolonged listening at extremely high levels may result in hearing loss. Even though your new Soundstream **RUBICON Amplifier**, sounds better than anything you've heard, exercise caution to prevent hearing damage.

---

## **FEATURES**

- ▶ Total Harmonic Distortion:0.5%
- ▶ Frequency Response: 15-150Hz
- ▶ Signal to Noise Ratio: 105dB
- ▶ Damping Factor: >250
- ▶ Input Sensitivity 100mV - 8V
- ▶ 50-150Hz, 12dB Low Pass Filter
- ▶ 45Hz, 0-18dB Bass Boost
- ▶ 10-40Hz, 12dB Subsonic Filter
- ▶ 180° Phase Switch
- ▶ Midnight Blue Finish w/ Brushed Accents
- ▶ Remote Gain Control
- ▶ Master/Slave Operation
- ▶ Pre-amp Outputs

## SPECIFICATIONS

Signal/Noise Ratio	>105dB
Frequency Response	15Hz-150Hz
THD	0.50%
LPF	50Hz -150Hz,12dB
Input Voltage Range	11-16 Volts DC
High Impedance RCA/LINE Level Input Impedance	30K Ohms

## POWER RATINGS & FUSE

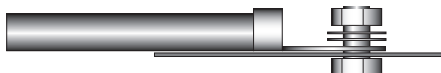
<b>MODEL</b>	<b>4 ohm</b>	<b>2 ohm</b>	<b>1 ohm</b>	<b>FUSE</b>
RUB1.1000D	600W	800W	1000W	35A X 3
RUB1.1600D	700W	1100W	1600W	40A X 4
RUB1.2500D	1000W	1700W	2500W	250A

## DIMENSIONS

<b>MODEL</b>	<b>Length</b>	<b>Width</b>	<b>Height</b>
RUB1.1000D	390mm	205mm	60mm
RUB1.1600D	450mm	205mm	60mm
RUB1.2500D	580mm	205mm	60mm

---

## TOOLS/PARTS FOR INSTALLATION



### NOTE: TOOLS ARE NOT SUPPLIED

Small flat blade screwdriver  
Phillips screwdriver (#2 or medium sized),  
Wire cutters, Wire strippers, - #6 round head screws, and 1 - #8 sheet metal screw (or nut, bolt flat washer, start washer) (see detail)  
2 Ring connectors (large enough to accommodate your method of grounding)  
In-line fuse or Grommets (Sized to work with the power wire you plan to use in your installation)  
Tube of silicone seal.

## Protection Circuitry

The amplifier protection circuitry will disable the amplifier if the inputs are overloaded, short-circuited or extremely high temperature conditions are detected. When the protection mode is in operation, the LED indicator on the front panel will be illuminated, indicating the amplifier has gone into a self-preservation mode.

If you observe that the protection LED is lit, please check the system carefully to determine what has caused the protection circuit to engage. The amplifier can be reset by turning the remote power off and then on again. If the amplifier shuts down due to a thermal overload condition, please allow it to cool down before powering up. If the amplifier shuts down because of an input overload or short circuit, be sure to repair these conditions before attempting to power up the amplifier again.

## Electrical Wiring

All **RUBICON Amplifiers** are equipped with easy top access screw terminals . These terminals are nickel-plated in order to ensure excellent electrical contact and to resist corrosion.

When making electrical connections to the amplifier, please observe the following :

- Use at least 4 gauge or heavier wire for power and ground connections.
- Wire the amplifier directly to the car battery. Make sure there is circuit protection (Such as a fuse) on the positive power lead, within 18 inches of the battery.
- For the ground connection, use the shortest possible wire to a good chassis ground point.
- Wire the Remote connection to the remote turn-on lead of your equalizer or head unit. In some cases this may be the power antenna lead of the head unit.

## Remote Subwoofer Level Control

The **RUBICON Amplifiers** are equipped with a dashboard mount remote subwoofer level control. Run the supplied dashboard remote control from the front panel of your amplifier. By turning the level knob clockwise, you will increase the output of low frequencies.

## Fuses

Fuses protect both the amplifier and the electrical system of your vehicle from faulty conditions . If you must replace the fuse in your **RUBICON Amplifier**, use a fuse of exactly the same type and rating. A different type or rating may result in damage or cause a fire.

## Mounting the Amplifier

Mark the location for the mounting screw holes by positioning the amplifier where you wish to install it and use a scribe (or one of the mounting screws) inserted in each mounting hole to mark the mounting surface. If the mounting surface is carpeted, measure the hole centers and mark with a felt tip pen.

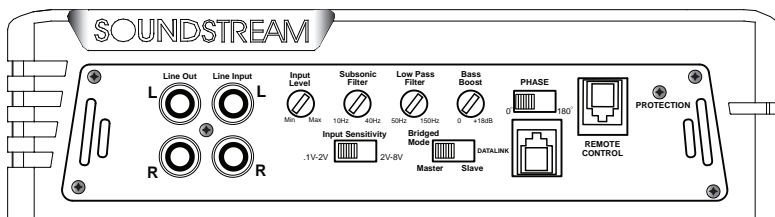
Drill pilot holes in the mounting surface for the mounting screws and insert the mounting screws into these holes. Tighten them securely.

**Note:** Before beginning your installation, be sure to take note of any wires, lines or other devices in your vehicle which may be located behind any mounting surface.

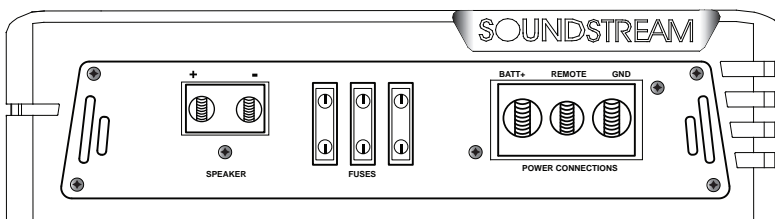
## PANEL LAYOUT

### RUB1.1000D

LEFT VIEW

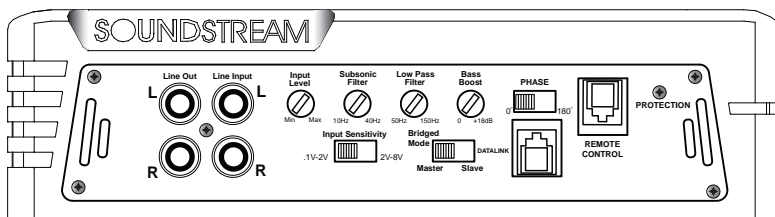


RIGHT VIEW

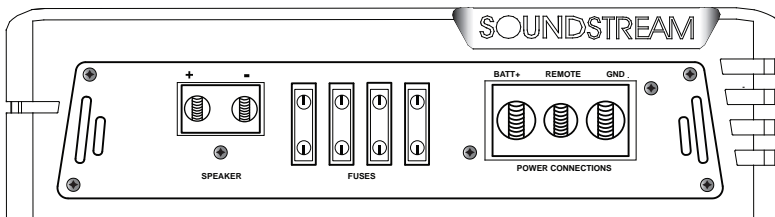


### RUB1.1600D

LEFT VIEW



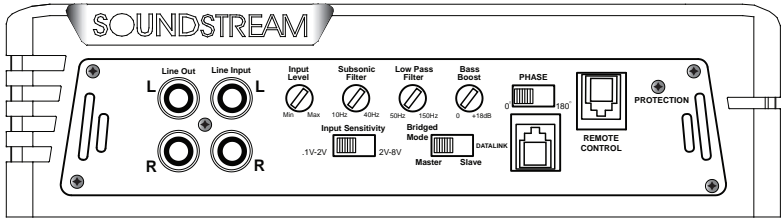
RIGHT VIEW



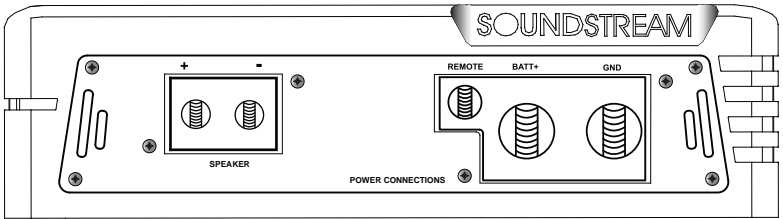
# PANEL LAYOUT

## RUB1.2500D

### LEFT VIEW



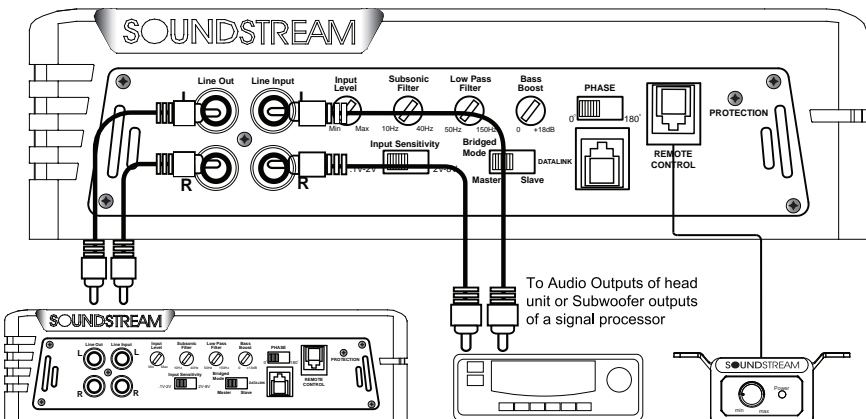
### RIGHT VIEW



## Class D Monoblock Amplifier Installation Wiring

### RUB1.1000D/RUB1.1600D/RUB1.2500D

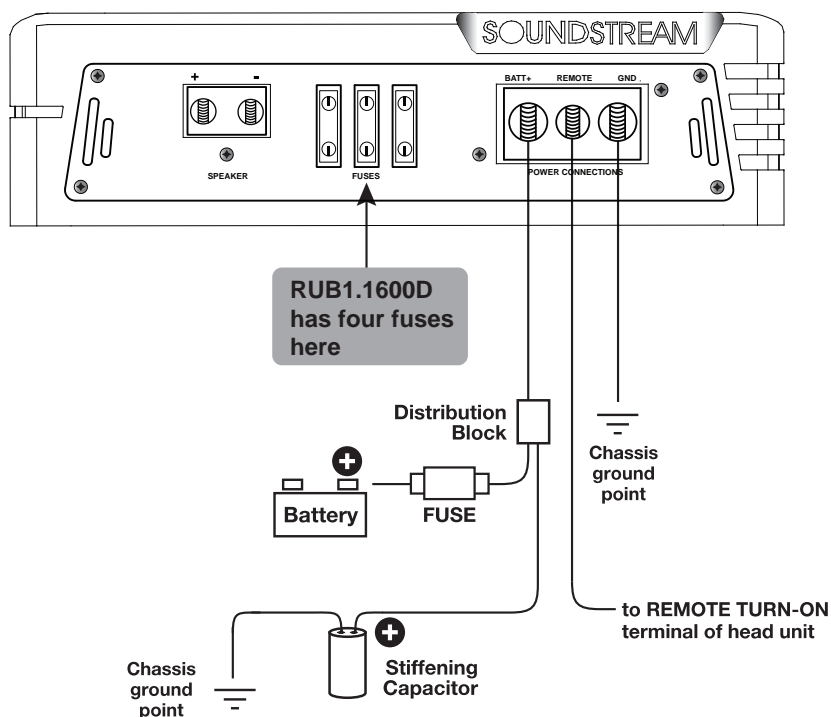
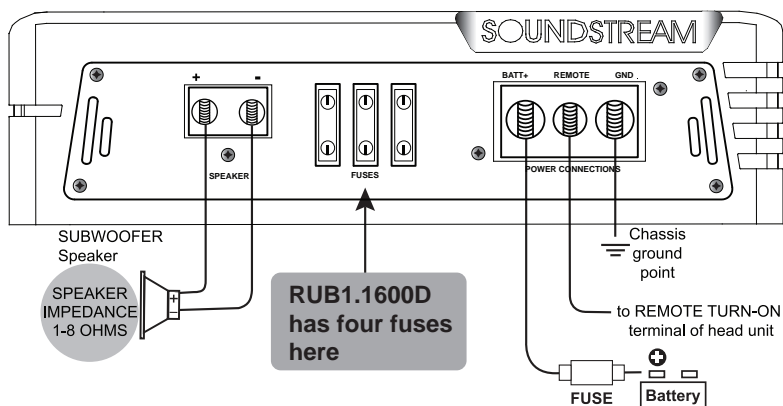
#### Low Level Inputs





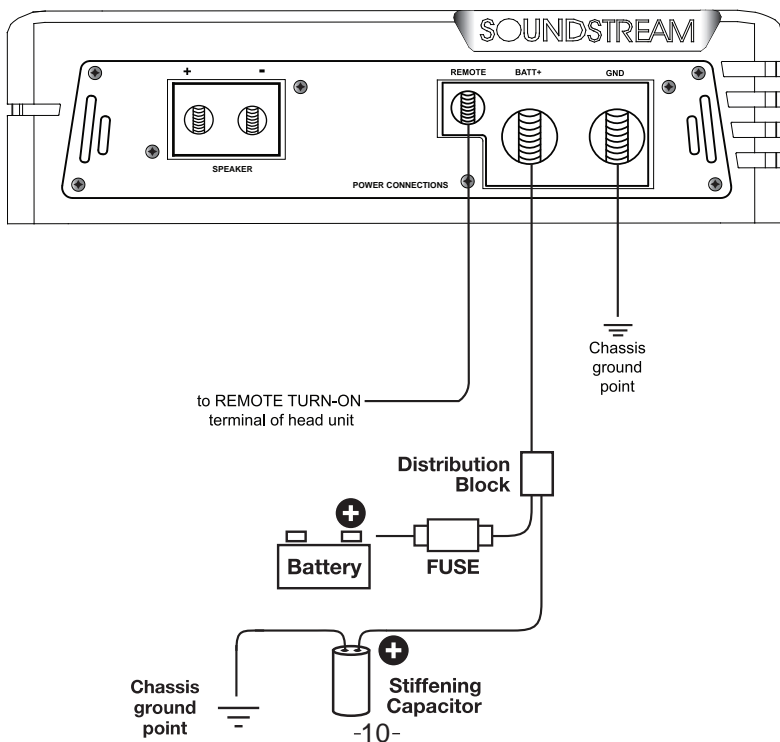
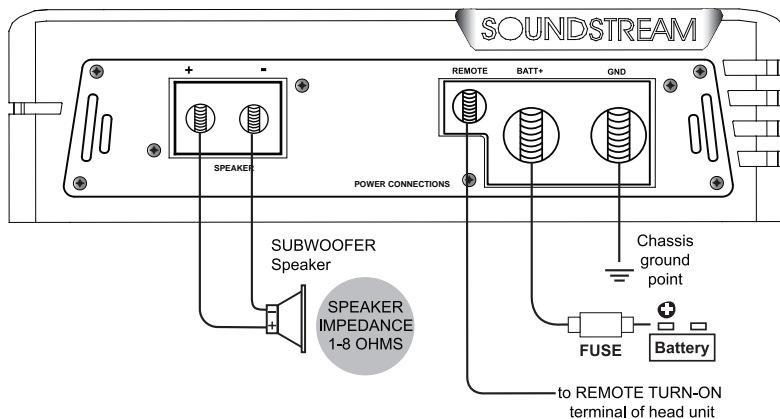
## Class D Monoblock Amplifier Installation Wiring

### **RUB1.1000D/RUB1.1600D**



## Class D Monoblock Amplifier Installation Wiring

### **RUB1.2500D**

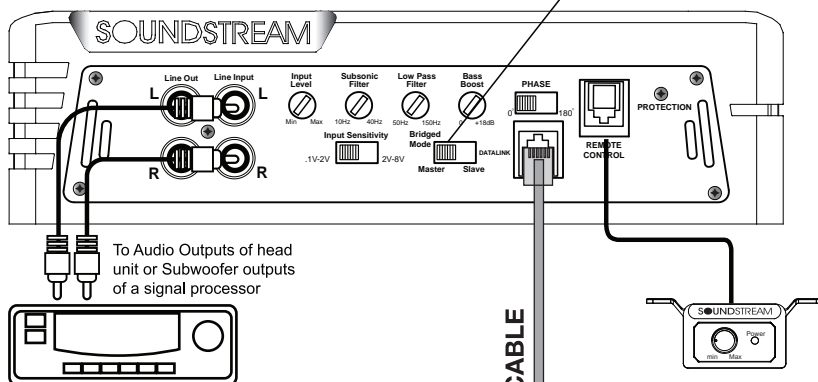


# Bridging Two RUB1.1000D/RUB1.1600D/RUB1.2500D Amplifiers

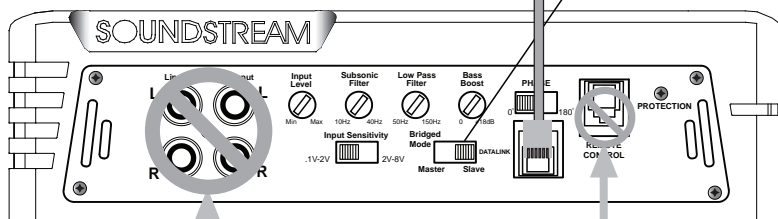
## INPUT AND DATALINK CONNECTIONS

(SEE NEXT PAGE FOR POWER AND SPEAKER CONNECTIONS)

### MASTER AMPLIFIER Front Panel



### SLAVE AMPLIFIER Front Panel



**PLEASE NOTE:**  
In this MASTER AMP/SLAVE AMP configuration, the Slave amp receives its audio signal from the Master Amp. Therefore, **DO NOT USE THE INPUTS ON THE SLAVE AMP!**

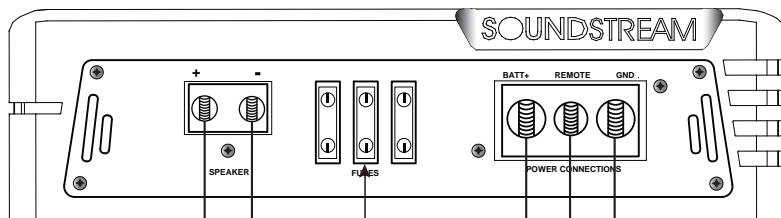
**PLEASE NOTE:**  
In this MASTER AMP/SLAVE AMP configuration, the Slave amp receives its audio signal from the Master Amp. Therefore, **DO NOT USE THE SUBWOOFER LEVEL CONTROL ON THE SLAVE AMP!**

## Bridging Two RUB1.1000D/RUB1.1600D Amplifiers

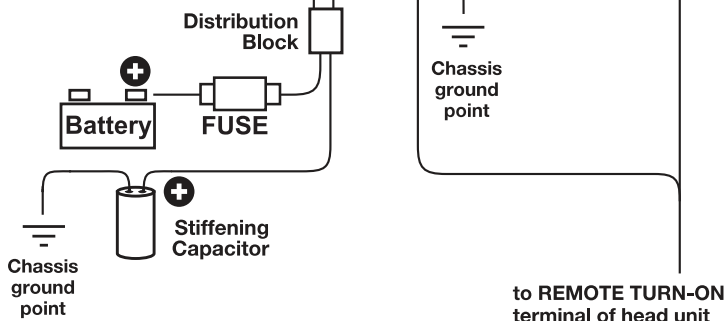
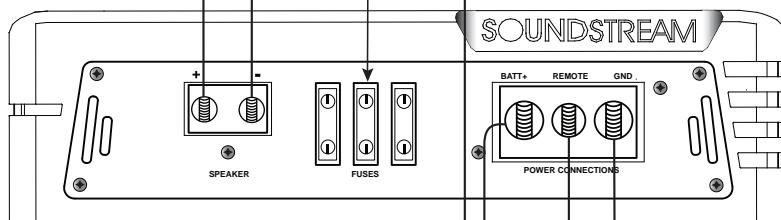
### POWER AND SPEAKER CONNECTIONS

(SEE PREVIOUS PAGE FOR INPUT AND DATALINK CONNECTIONS)

#### MASTER AMPLIFIER Rear panel



#### SLAVE AMPLIFIER Rear Panel

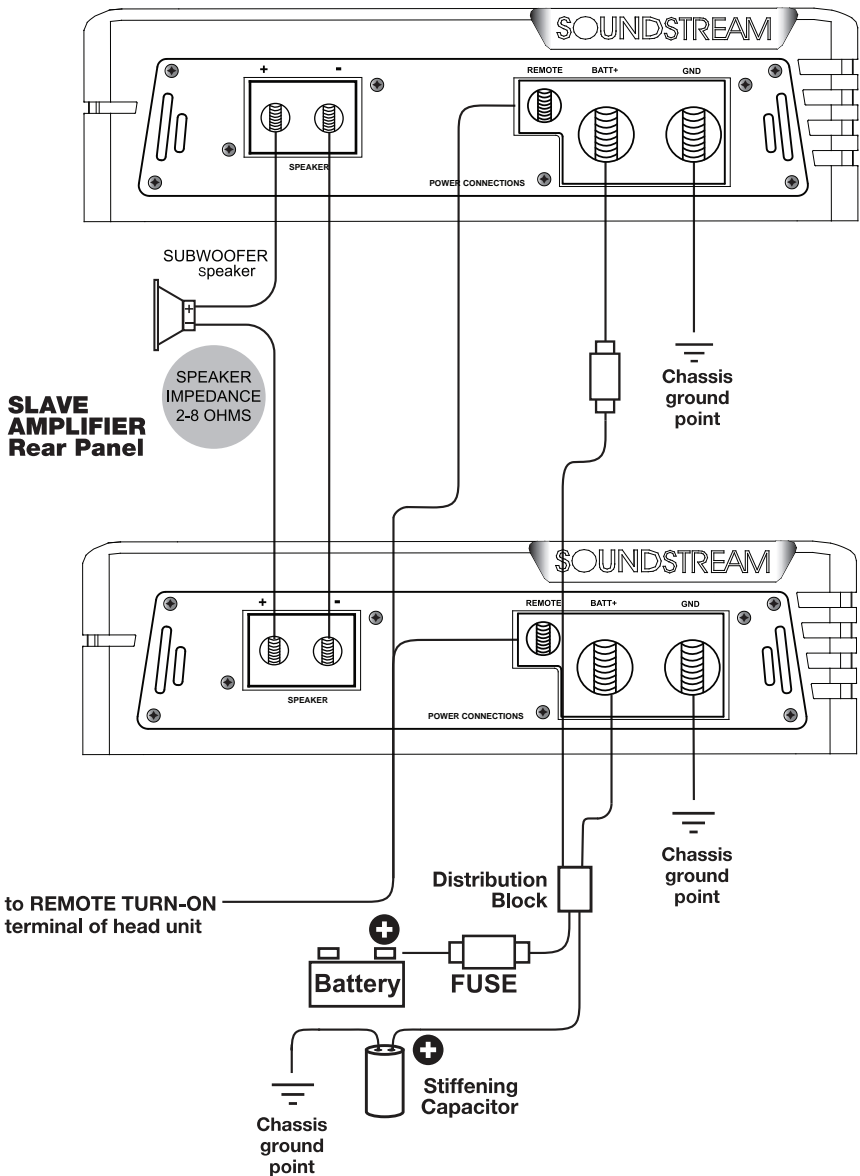


# Bridging Two RUB1.2500D Amplifiers

## POWER AND SPEAKER CONNECTIONS

(SEE PREVIOUS PAGE FOR INPUT AND DATALINK CONNECTIONS)

### MASTER AMPLIFIER Rear panel



## TROUBLE SHOOTING

NO SOUND

Is the LED lit?

**YES**

**NO**

Check Power and Remote turn-on wire for voltage. Make sure Ground wire is secure.

STILL NO SOUND

See your Authorize Sound Stream Dealer.

### SOUND IN ONE CHANNEL ONLY

Reverse left and right speakers by unplugging the speaker connector. turning it over and plugging it back in.

#### SOUND IS NOW IN

##### **OPPOSITE CHANNEL**

Reverse RCA inputs

##### **SAME CHANNEL**

Problem is in the speaker of speaker wire of the silent channel

#### SOUND IS NOW IN

##### **OPPOSITE CHANNEL**

Reverse RCAs at head unit

##### **SAME CHANNEL**

Problem is in the Amplifier, See your local Authorized Dealer

#### SOUND IS NOW IN

##### **OPPOSITE CHANNEL**

Problem is in the head unit or before the amplifier

##### **SAME CHANNEL**

Problem is in the RCA cables

## RPOTECTION CIRCUIT

**Short Circuit Protection engaged:** The amplifier will turn off and try to come back on immediately. The amplifier will cycle like this indefinitely, with “blips” of sound each time. If this is the case, check your speakers and wiring for low impedance and short circuits.

**Thermal Protection engaged:** The amplifier will turn off and several minutes later will come back on. In this case, ensure that there is nothing blocking the normal convective airflow of the amplifier. No obstruction n should be within 2.4” of the amplifier on all sides.

**NOTE: Low battery voltage will cause the amplifier to run warmer and possibly damage the amplifier.**

# Caution:

Please do not plug in or unplug RCA Plugs to the amplifier inputs while the amplifier is turned on. Doing so is potentially harmful to the amplifier by allowing RF(radio frequencies) into the amplifier, causing instability, during the brief period while the RCA shield is not connected, and the hot is connected. Only plug in or unplug RCA plugs with the amplifier off as Standard practice with all audio equipment.