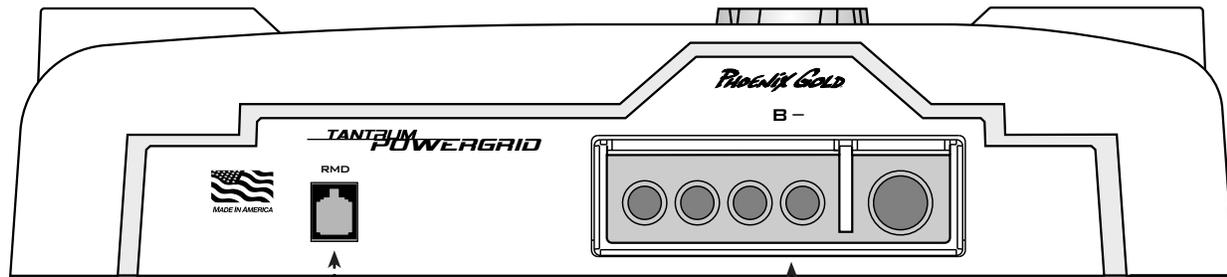


## IMPORTANT: THE POWERGRID MUST BE CHARGED BEFORE ITS INSTALLED

Please read instructions below or on the bottom of the

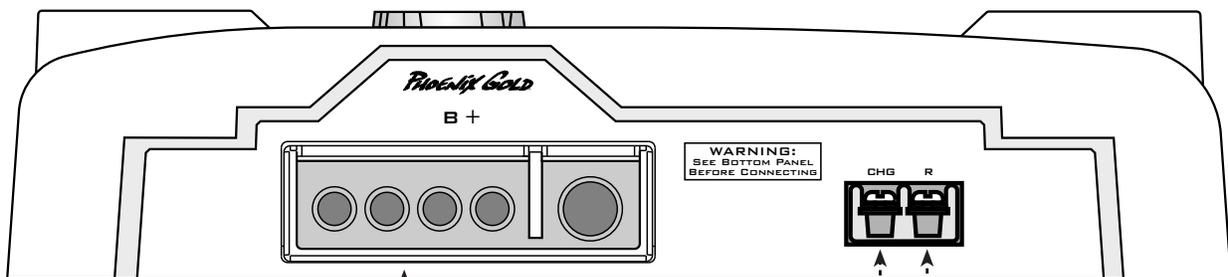


### RMD PORT

Connect to optional RMD voltage display.

### B- TERMINAL (CHASSIS GROUND)

Connect the 1/0 input to a clean, solid chassis ground. Remove all paint and dirt from the chassis connection point. Connect the 4 gauge output(s) to the B- terminal(s) on the amplifier(s).



### B+ TERMINAL (BATTERY POSITIVE)

Connect the 1/0 gauge input directly to the 12 volt source at the positive battery terminal. Remember to properly fuse the 1/0 gauge input cable within 18 inches of the positive battery terminal. Connect the 4 gauge output(s) to the B+ terminal(s) on the amplifier(s).

### CHARGE TERMINAL

Used to charge the Powergrid with a 12 volt battery source. **Warning: Do not connect the remote lead of the head unit to the CHG terminal.** After the unit is charged nothing is wired to this terminal.

### REMOTE TURN-ON TERMINAL

Connect to a switched 12 Vdc source such as the headunit's "remote" or power antenna wire. This terminal turns the RMD and Blue LED on/off.

## Installation Instructions

### Notes Prior to Installation

- The Powergrid must be charged prior to installation. Please read the charging instructions carefully before installing to avoid any unwanted sparks in your life.
- In normal use, the Powergrid does not get more than mildly warm to the touch. If high temperatures are found in operation, it is likely wired incorrect and must be corrected immediately.
- When the Powergrid is activated, DO NOT TOUCH the power connections with any metallic objects such as screwdrivers and other tools. A short from power and ground may result in arcing and possibly a fire.

### 1. Charging the Powergrid:

The Powergrid charges just like a normal 1 Farad cap except the external charge resistor that is wired in series with the + lead of the cap is located inside the Powergrid. Within the Powergrid a 1 ohm resistor is in series with the CHG terminal to slow the installation charge and discharge rate.

**Warning: Do not connect the remote turn on lead of the head unit to the CHG connector!**

**Charging:** Connect chassis ground to B- then connect remote turn-on lead of head unit to R (remote). Connect the positive of the battery to CHG for no less then 1 minute or until 12 volts is reached across the B+ and B- of the Powergrid. (NOTE: The cap voltage can be monitored with a RMD, if the remote line is turned on.) Now remove lead from CHG and connect the B+ input.

**Discharging:** First remove all connections from the Powergrid. Next connect a 16 gauge or larger wire between CHG and B- for no less then 2 minutes then remove wire. Discharging is now complete.

### 2. Installing into the Vehicle:

After the Powergrid is charged. Select an appropriate mounting location leaving room for large power and ground wires. For best performance, make all wiring runs from the Powergrid to the amplifiers as SHORT as possible.

Carefully install the 12 volt source (B+), ground (B-), and remote (R) wires to the appropriate terminals on the Powergrid. The 12 volt source (B+) and ground (B-) terminals each have one 1/0 gauge input and four 4 gauge outputs. The Powergrid was designed to also serve as a power and ground distribution block.



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