

OWNER'S MANUAL

**GODFATHER
SERIES**



PRODUCTS THAT ARE SETTING WORLD RECORDS

GODFATHER CAR AMPLIFIERS

GF-30001FR

HIGH PERFORMANCE CAR AMPLIFIER

INSTALLATION

Before You begin installation

Before you begin , you will need tools, supplies and adapters. It is best to make sure you have everything you need before you start.

Amplifier Location

Allow air circulation around the amplifier.

The amplifier's compact design allows greater flexibility in mounting. it can be mounted under the seat and in the trunk.

When selecting a location, remember that amplifiers generate heat. Select a location where air can circulate around the amplifier.

Do not cover the amplifier with carpets or enclose it behind interior trim panels.

Every installation will be a bit different based upon vehicle design, check all locations and placements carefully before making any cuts or connections.

Disconnect Battery

Before you begin, always disconnect the battery negative terminal.

! Important:

If wiring connections are made incorrectly the unit will not operate properly and could be damaged. Follow the installation instructions carefully or have the amplifier installed by an authorized dealer.

Things to remember when installing your **GODFATHER** SERIES car amplifiers.

The design philosophy of **GODFATHER** SERIES car amplifiers and mode of regulation requires that proper installation and load impedance instructions be adhered to at all times.

Minimum impedance recommended for **GF-30001FR** is 1ohm.

GF-30001FR car amplifier is not equipped with fuses.

Pls use external fuses for **GF-30001FR** car amplifier.

External fuse rating is 300A for **GF-30001FR**.

These fuse ratings should be sufficient under normal working conditions. However, if the amplifier is overloaded (see minimum impedance above) fuses may blow.

Therefore, please try to avoid operating the amplifiers under these conditions.

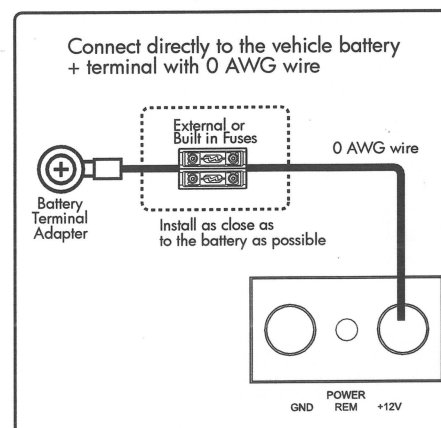
1. Mount the amplifiers where air flow is the best.
2. Mount the amplifiers to a solid surface away from vibration, as these amplifiers are heavy and the vibration can damage the amplifiers.
3. Take extreme caution when mounting the amplifiers, so as not to damage the chassis with a drill or screwdriver.
4. Run 0AWG wire from the battery, using fuses with 12" of the positive battery terminal. The fuse is to protect the car and your car audio system from the fire that could be caused by a short circuit.
5. Run 0AWG ground wire as short as possible, to the closest chassis ground point. Be sure to remove the paint around the chassis ground point to provide a more solid electrical connection.

INSTALLATION

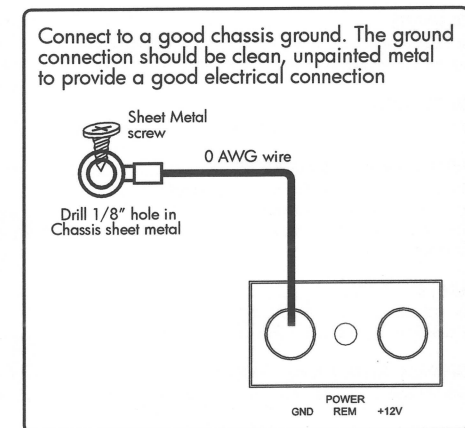
6. Run a 16 AWG (or larger) wire to the remote turn-on lead of the headunit.
7. Connect the speakers as per wiring diagrams in the manual. 12AWG or larger speaker wire is recommended.
8. Mount remote level control in the car where it can be easily reached from the driver's seat, if desired.
9. Using RCA interconnect cables, connect all line inputs per the wiring diagrams which follow. If possible, keep rca cables away from the 12V power and ground wire.
10. Set the controls as described on following pages.

Power, Remote, Ground Connection.

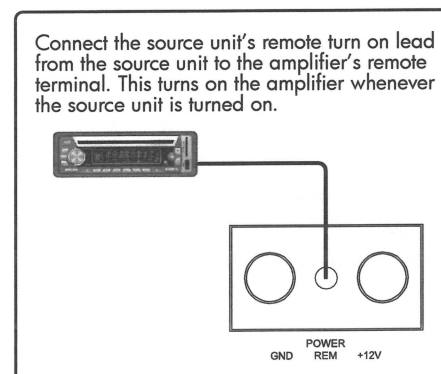
Power Terminal (+12V)



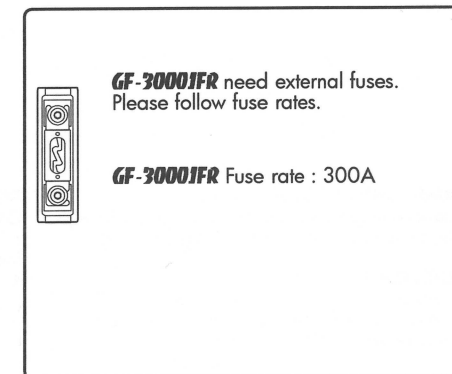
Ground Terminal (GND)



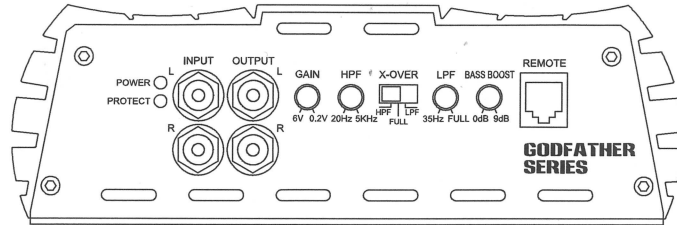
Remote / Turn on Terminal



Fuses



DIGITAL MONOBLOCK INPUT & OUTPUT CONNECTION



RCA INPUTS

The RCA inputs ensure the highest quality contacts and the lowest noise in your audio system.

RCA OUTPUTS

Connect to RCA INPUT of additional DC audio amplifiers

POWER & PROTECT INDICATORS -

When the unit is powered on and operating correctly the power LED illuminates.

When the unit is malfunctional or protected, then protect LED is turned on.

GAIN (6V - 0.2V)

This adjusts the normal operating level of the amplifier by matching the level from the headunit.

HIGH PASS FILTER (20Hz - 5KHz)

Control High pass filter frequency for the speaker output.

LOW PASS FILTER (35Hz - FULL)

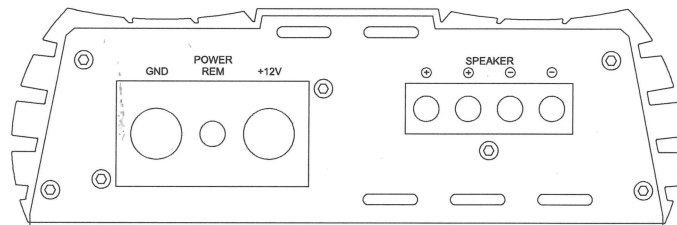
This allows you to tune the response of the amplifier at higher bass frequencies to roll off for a seamless integration into your midbass.

BASS BOOST (0 - 9dB)

This allows you to tune amplifier response with up to 9dB of boost centered at 45Hz

REMOTE CONTROL

Use this to control level of the amplifier from your driver's seat.



GROUND (GND) & POWER (+12V)

The power and ground will accommodate 0 AWG wire. Use high quality pure copper wire only.

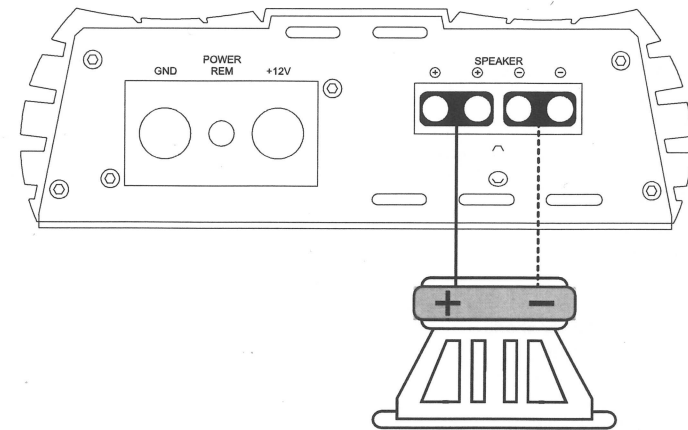
REMOTE (REM)

REM connector will accept wire sizes from 12 to 18 AWG. This terminal is used to remotely turn-on and turn-off the amplifier when +12V DC is applied.

SPEAKER TERMINAL BLOCK

Connect speaker cables from speaker terminal block to subwoofers. Subwoofers impedance should be checked carefully.

GF-3000.1FR SPEAKER CONNECTION 1.



4 - 1 OHMS

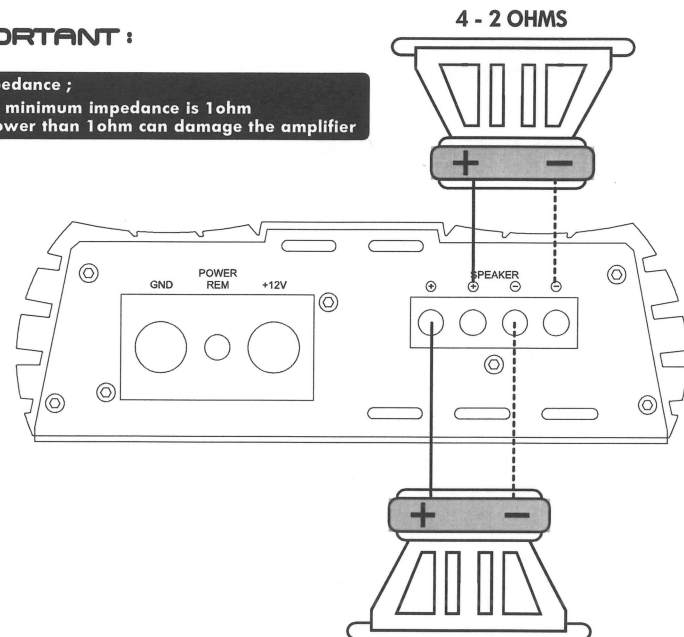
GF-3000.1FR SPEAKER CONNECTION 2.

! IMPORTANT :

Working Impedance ;

GF-3000.1FR minimum impedance is 1ohm

Impedance lower than 1ohm can damage the amplifier



4 - 2 OHMS

TROUBLE SHOOTING

NO POWER LED ON, NO OUTPUT

NO POWER LED ON, NO OUTPUT

- Check +12V and GND connection
- Check remote signal +12V
- Check the external fuses or built-in.

POWER LED ON, NO OUTPUT

- Check source unit for output
- Check input gain control
- Check RCA cable
- Check speaker and wiring for shorts
- Check for damaged speakers

NO SOUND ON ONE CHANNEL

- Swap left/right input to check source
 - ... If sound swaps too, source or signal cable is bad
- Swap left/right speaker to check speakers
 - ... If sound does not swap, speaker or speaker wiring is bad
 - ... In any case, consult authorized dealer

AMPLIFIER GOES IN PROTECTION MODE AT HIGHER GAIN

- Check speaker impedance
GF-3000.1FR is 1 ohm.
- Check working voltages (9V - 16Volts)
- Check speaker wiring for short circuit

ENGINE OR ALTERNATOR WHINE NOISE

- Check wiring. make sure RCA cables are not run parallel on same side of vehicle as power cable.
- Check any preamps or black boxes in the signal path between source unit and amplifier
- Make sure ground pin (shield or outer barrel of RCA cables) have not lost connection and that source unit has good reference ground.

SPECIFICATIONS

Features

FULL RANGE DIGITAL AMPLIFIER

- Full Range Digital 1 channel amplifier
- Dual MOS-FET PWM power supply
- Fully stable into 1ohm
- Variable High pass filter
- Variable Low pass filter
- Variable Bass boost
- Wired Remote control with Clipping indicator
- Surface Mount Technology
- Multi-way protection circuitry
 (DC, Speaker Short, Thermal and Voltage)

Specifications

	GF-3000.1FR
No of Channels	1 Channel
Congiguration	Full Range digital 1channel
4ohm RMS power	1400W x 1ch
2ohm RMS power	2300W x 1ch
1ohm RMS power	3000W x 1ch
Frequency Response	14Hz - 20KHz
Signal to Noise Ratio	90dB
Efficiency @ 4ohm	Over 91%
Damping Factor	100 <
Input Sensitivity	6V - 0.2V
High Pass Filter	20Hz - 5KHz
Low Pass Filter	35Hz - Full
Bass Boost @45Hz	0dB - 9dB
Remote control	with clipping indicator
THD @ 4ohm	< 0.1%
Fuse Rating	300A
Dimensions (L)	12.60 inches
	7.25W x 2.32H inches

All features are subject to change in the continuing efforts to improve the products without notice.