Z250.4D

Full Range Class D Amplifier
Bassboost 0-15dB Bass Boost
Max Power: 2,000 Watts
RMS 4x100w@4ohm
RMS 4x120w@2ohm
Frequency Response: 10Hz-20kHz
Signal to Noise Ratio: 96dB
Input Sensitivity: 200mV-6V
LPF: 50-500Hz
HPF:50-2kHz
Subsonic: 0-50Hz
Size: 280x161x53mm

Z1500.5D

Full Range Class D Amplifier
Bassboost 0-15dB Bass Boost
Max Power: 1,500 Watts
4CH output
RMS 4x100w@4ohm
RMS 4x150w@2ohm
HPF: 40-250Hz
5th Channel output
RMS 1x300w@2ohm
RMS 1x200w@4ohm
LPF: 50-150Hz
Bassboost: 0-12dB
Phase shift: 0-180°
Frequency Response: 10Hz-20kHz
Signal to Noise Ratio: 96dB
Input Sensitivity: 200mV-6V
Size: 296x161x53mm

Z4000.1D

Class D Monoblock Subwoofer Amplifier
Variable 30-80Hz 0-12dB Bass Boost
Variable 12dB Low Pass Crossover
Dash Mount Remote Control Included
Max Power: 4000 Watts
RMS 1x2,000w@1ohm
RMS 1x1,100w@2ohm
RMS 1x600w@4ohm
Frequency Response: 15-180Hz
Signal to Noise Ratio: 98dB
Input Sensitivity: 200mV-6V
LPF: 40-180Hz
Subsonic: 0-50Hz
Size: 488x161x53mm

bass rockers

Z250.4D
Z1500.5D
Z4000.1D

INSTALLATION
MANUAL
CLASS D AMPLFIER

- We greatly appreciate your purchase of the unit.
- Be sure to take maximum advantage of all the unit has to offer, read these instructions carefully and USE the set properly. Be sure to keep this manual for future reference, should any questions or problems arise.

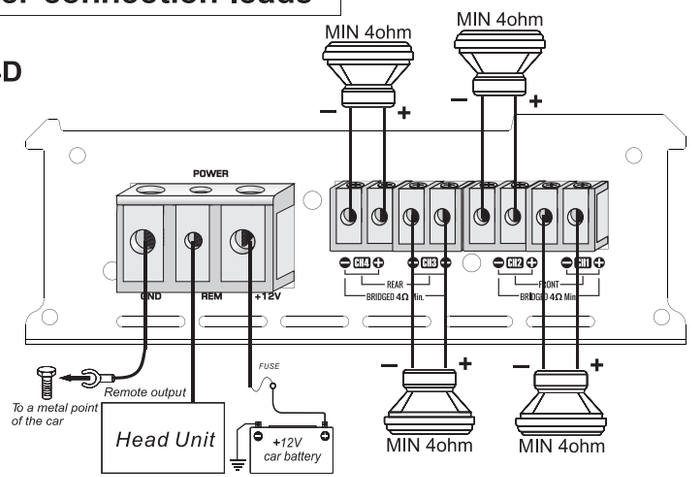
Notes on the power supply

POWER CONNECTION LEADS

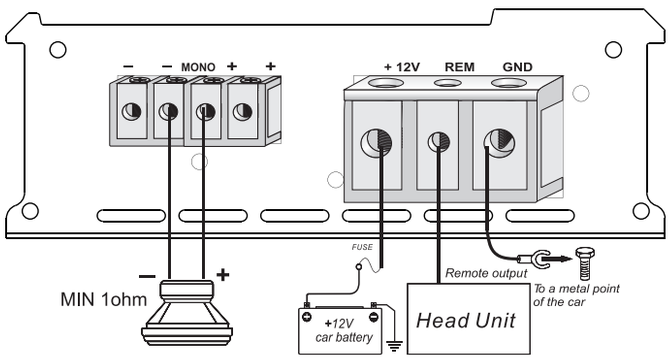
* Connect the 12V power supply lead only after all the other leads have been connected.
* Be sure to connect the ground lead of unit securely to a metal point of the car. A loose connection may cause a malfunction of the amplifier.
* Be sure to connect the remote control lead of the heat unit to the amplifier's remote terminal. A loose connection may cause a malfunction of the amplifier.
* When using a car audio without a remote output on the amplifier, connect the remote terminal to the accessory power supply.
* Use the power supply lead with a fuse attached(TWO 20A fuse)
* Place the fuse in the power supply lead as close as possible to the car battery.
* Make sure that the leads to be connected to the 12V and GND terminal of this unit are larger than 10-gauge (AWG #10) power cables.

Power connection leads

Z250.4D



Z4000.1D

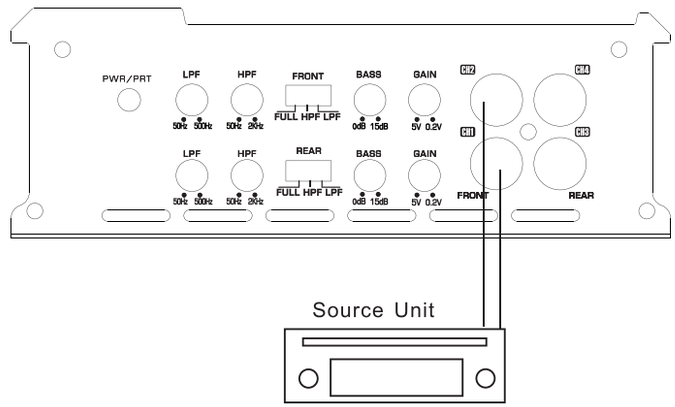


Trouble shooting II

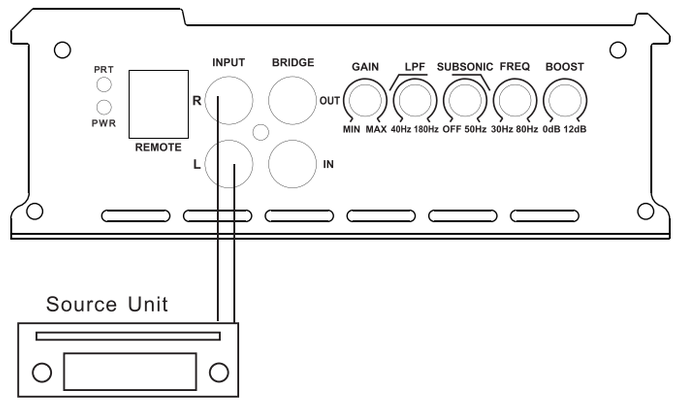
Symptom	possible cause	actions to take
distorted output	speakers are blown	check system with known working speakers and repair or replaceas needed
Poor bass response	speakers wired wrong polarity causing cancellation at low frequencies	check speaker polarity and repair as needed
	crossover set incorrectly	reset crossover referring to the multi-cross crossover configuration sections of this manual for detailed instructions
battery fuse blowing	impedance load to amplifier too low	check impedance load if below 2Ω stereo or 4Ωmono rewire speakers to achieve a higher impendence
	short in power wire or incorrect power connections	check power and ground connections and repair as needed
	fuse used is smaller than recommended	replace with proper fuse size
	too much current being drawn if below 2Ω stereo or 4Ωmono rewire speakers to achieve a higher impedance	check speaker impedance load,
	short in power wire or incorrect	check power and ground connections as repair as needed
amplifier fuse blowing	too much current being drawn	check speaker impedance load, if below 2Ω stereo or 4Ωmono rewire speakers to achieve a higher impedance and replace with recommended fuse size
		check power and ground connections and repair as needed
	fuse used is smaller than recommended	replace with proper fuse size

SIGNAL INPUT

Z250.4D

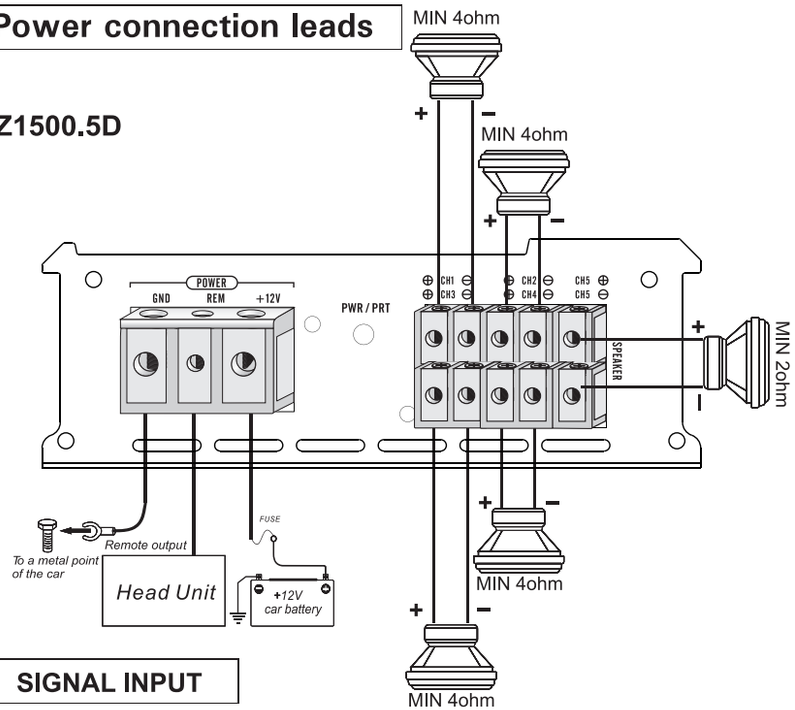


Z4000.1D



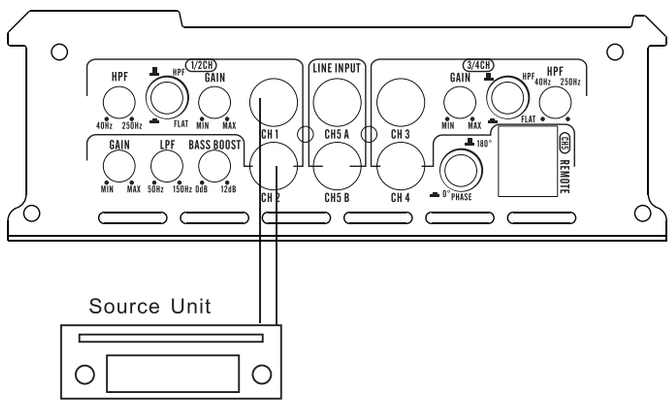
Power connection leads

Z1500.5D



SIGNAL INPUT

Z1500.5D



Trouble shooting I

Symptom	possible cause	action to take
no output	low or no remote turn-on input	check remote turn-on voltage output at amplifier and correct as needed
	fuse blown	check power wire integrity and reversed polarity, repair as needed and replace fuse
	power wires not connected	check power wire and ground connections and repair or replace as needed
	audio input not connected or no out put from source	check input connections and signal integrity, repair or replace as needed
	speaker wires not connected	check speaker wires and repair or replace as needed
audio cycles on and off	speakers are brown	check system with known working speaker and repair or replace speakers as needed
	thermal protections engages when amplifier heat sink temperature exceeds 90℃	make sure there is proper tventilation for amplifier and improve ventilation as needed
	loose or poor audio input	check input connections and repair or replace as needed
distorted output	amplifier level sensitivities set too high; exceeding maximum output capability of amplifier	reset gain referring to the turning section of manual for detailed instructions
	impedance load to amplifier too low	check speaker impedance load if below 2Ω stereo or 4Ω mono rewire speakers to achieve a higher impedance
	shorted speaker wires	check speaker wire connection and repair or replace as needed
	speaker not connected to amplifier properly	check speaker wiring and repair of replace as needed refer to the installation section of this manual for detailed instructions