

SP-500.4-1 OHM

4CH Full Range Class D Amplifier
Maximum Output power @14.4V(1 OHM): 4X500W RMS
Maximum Output power @14.4V(2 OHM): 4X350W RMS
Maximum Output power @14.4V(4 OHM): 4X200W RMS
Maximum Output power @14.4V(2 OHM Bridged): 2X800W RMS
Maximum Output power @14.4V(4 OHM Bridged): 2X600W RMS
Input Sensitivity:200mv

Signal-to-Noise Ratio: 100db
Frequency Response : 10Hz to 20KHz (3db)

Crossover:

H.P.F (High Pass Filter): 15Hz-1KHz(-12db/8)Variable

L.P.F(Low Pass Filter): 80Hz to Full(-12db/8)Variable

Bass Boost: 0-12db(50Hz)

Thermal Management : Smart Cooling System

Fan powered by temperature or Audio Input Impedance : 56k Ohms

Protection system: Output short/High/Low Supply Voltage/Thermal Protection

Minimum Supply Voltage: 9V

Maximum Supply Voltage: 16V

SP-1000.1D-2 OHM

1CH Full Range Class D Amplifier
Maximum Output power @14.4V(2 OHM): 1000W RMS
Maximum Output power @14.4V(4 OHM): 750W RMS
Input Sensitivity:200mv

Signal-to-Noise Ratio: 100db

Frequency Response : 10Hz to 20KHz (3db)

Crossover:

H.P.F (High Pass Filter): 15Hz-1KHz(-12db/8)Variable

L.P.F(Low Pass Filter): 80Hz to Full(-12db/8)Variable

Bass Boost: 0-12db(50Hz)

Thermal Management : Smart Cooling System

Fan powered by temperature or Audio Input Impedance : 56k Ohms

Protection system: Output short/High/Low Supply Voltage/Thermal Protection

Minimum Supply Voltage: 9V

Maximum Supply Voltage: 16V

SP-1500.1D-2 OHM

1CH Full Range Class D Amplifier
Maximum Output power @14.4V(2 OHM): 1500W RMS
Maximum Output power @14.4V(4 OHM): 1100W RMS
Input Sensitivity:200mv

Signal-to-Noise Ratio: 100db

Frequency Response : 10Hz to 20KHz (3db)

Crossover:

H.P.F (High Pass Filter): 15Hz-1KHz(-12db/8)Variable

L.P.F(Low Pass Filter): 80Hz to Full(-12db/8)Variable

Bass Boost: 0-12db(50Hz)

Thermal Management : Smart Cooling System

Fan powered by temperature or Audio Input Impedance : 56k Ohms

Protection system: Output short/High/Low Supply Voltage/Thermal Protection

Minimum Supply Voltage: 9V

Maximum Supply Voltage: 16V

SP-3000.1D-2 OHM

1CH Full Range Class D Amplifier
Maximum Output power @14.4V(2 OHM): 3000W RMS
Maximum Output power @14.4V(4 OHM): 2000W RMS
Input Sensitivity:200mv

Signal-to-Noise Ratio: 100db

Frequency Response : 10Hz to 20KHz (3db)

Crossover:

H.P.F (High Pass Filter): 15Hz-1KHz(-12db/8)Variable

L.P.F(Low Pass Filter): 80Hz to Full(-12db/8)Variable

Bass Boost: 0-12db(50Hz)

Thermal Management : Smart Cooling System

Fan powered by temperature or Audio Input Impedance : 56k Ohms

Protection system: Output short/High/Low Supply Voltage/Thermal Protection

Minimum Supply Voltage: 9V

Maximum Supply Voltage: 16V



OWNERS MANUAL

SP-200.4-1 OHM	SP-1000.1D-2 OHM
SP-500.4-1 OHM	SP-1500.1D-2 OHM
SP-1000.1D-1 OHM	SP-3000.1D-2 OHM
SP-1500.1D-1 OHM	
SP-3000.1D-1 OHM	
SP-5000.1D-1 OHM	
SP-8000.1D-1 OHM	
SP-14000.1D-1 OHM	
SP-16000.1D-1 OHM	

- 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 set properly. Be sure to keep this manual for future reference, should any questions or problems arise.

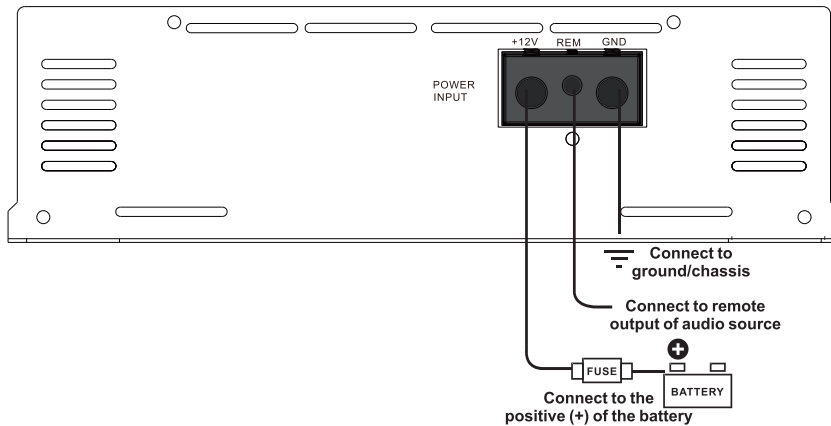
POWER CONNECTION LEADS

Notes on the Power supply

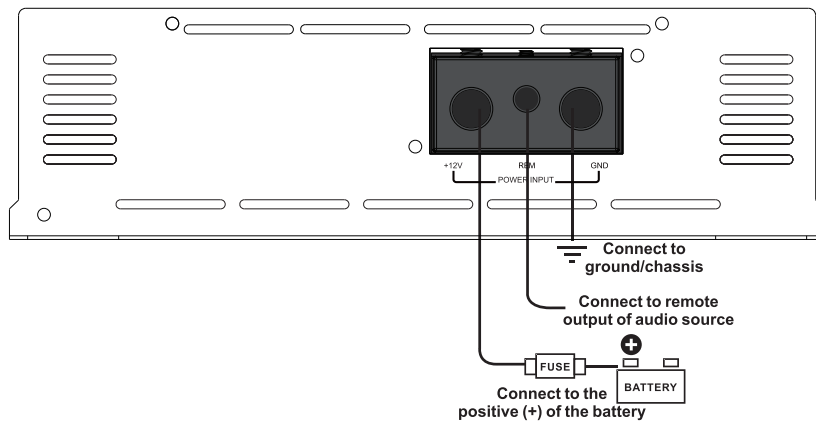
- * Connect the 12V power supply lead only after all the other leads have been connected.
- * Be sure to connect the ground lead of unit securely to a metal point of the car. A loose connection may cause a malfunction of the amplifier.
- * Be sure to connect the remote control lead of the heat unit to the amplifier s remote terminal. A loose connection may cause a malfunction of the amplifier.
- * When using a car radio without a remote output for the amplifier, connect the remote terminal to the accessory power supply.
- * Use the power supply lead with a fuse attach attached
- * 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.

Fig 1 POWER CONNECTOR

SP-200.4-1 OHM/SP-500.4-1 OHM/SP-1000.1D-1 OHM/SP-1000.1D-2 OHM



SP-1500.1D-1 OHM/SP-3000.1D-1 OHM/SP-1500.1D-2 OHM/SP-3000.1D-2 OHM



SP-8000.1D-1 OHM

1CH Full Range Class D Amplifier
 Maximum Output power @14.4V(1 OHM): 8000W RMS
 Maximum Output power @14.4V(2 OHM): 5100W RMS
 Maximum Output power @14.4V(4 OHM): 3000W RMS
 Input Sensitivity:200mv
 Signal-to-Noise Ratio: 100db
 Frequency Response : 10Hz to 20KHz (3db)
 Crossover:
 H.P.F (High Pass Filter): 15Hz-1KHz(-12db/8)/Variable
 L.P.F(Low Pass Filter): 80Hz to Full(-12db/8)/Variable
 Bass Boost: 0-12db(50Hz)
 Thermal Management : Smart Cooling System
 Fan powered by temperature or Audio Input Impedance : 56k Ohms
 Protection system: Output short/High/Low Supply Voltage/Thermal Protection
 Minimum Supply Voltage: 9V
 Maximum Supply Voltage: 16V

SP-14000.1D-1 OHM

1CH Full Range Class D Amplifier
 Maximum Output power @14.4V(1 OHM): 14000W RMS
 Maximum Output power @14.4V(2 OHM): 8100W RMS
 Maximum Output power @14.4V(4 OHM): 5200W RMS
 Input Sensitivity:200mv
 Signal-to-Noise Ratio: 100db
 Frequency Response : 10Hz to 20KHz (3db)
 Crossover:
 H.P.F (High Pass Filter): 15Hz-1KHz(-12db/8)/Variable
 L.P.F(Low Pass Filter): 80Hz to Full(-12db/8)/Variable
 Bass Boost: 0-12db(50Hz)
 Thermal Management : Smart Cooling System
 Fan powered by temperature or Audio Input Impedance : 56k Ohms
 Protection system: Output short/High/Low Supply Voltage/Thermal Protection
 Minimum Supply Voltage: 9V
 Maximum Supply Voltage: 16V

SP-16000.1D-1 OHM

1CH Full Range Class D Amplifier
 Maximum Output power @14.4V(1 OHM): 16000W RMS
 Maximum Output power @14.4V(2 OHM): 12800W RMS
 Maximum Output power @14.4V(4 OHM): 9000W RMS
 Input Sensitivity:200mv
 Signal-to-Noise Ratio: 100db
 Frequency Response : 10Hz to 20KHz (3db)
 Crossover:
 H.P.F (High Pass Filter): 15Hz-1KHz(-12db/8)/Variable
 L.P.F(Low Pass Filter): 80Hz to Full(-12db/8)/Variable
 Bass Boost: 0-12db(50Hz)
 Thermal Management : Smart Cooling System
 Fan powered by temperature or Audio Input Impedance : 56k Ohms
 Protection system: Output short/High/Low Supply Voltage/Thermal Protection
 Minimum Supply Voltage: 9V
 Maximum Supply Voltage: 16V

SP-200.4-1 OHM

4CH Full Range Class D Amplifier
 Maximum Output power @14.4V(1 OHM): 4X200W RMS
 Maximum Output power @14.4V(2 OHM): 4X135W RMS
 Maximum Output power @14.4V(4 OHM): 4X90W RMS
 Maximum Output power @14.4V(2 OHM Bridged): 2X300W RMS
 Maximum Output power @14.4V(4 OHM Bridged): 2X200W RMS
 Input Sensitivity:200mv
 Signal-to-Noise Ratio: 100db
 Frequency Response : 10Hz to 20KHz (3db)
 Crossover:
 H.P.F (High Pass Filter): 15Hz-1KHz(-12db/8)/Variable
 L.P.F(Low Pass Filter): 80Hz to Full(-12db/8)/Variable
 Bass Boost: 0-12db(50Hz)
 Thermal Management : Smart Cooling System
 Fan powered by temperature or Audio Input Impedance : 56k Ohms
 Protection system: Output short/High/Low Supply Voltage/Thermal Protection
 Minimum Supply Voltage: 9V
 Maximum Supply Voltage: 16V

SPECIFICATION

SP-1000.1D-1 OHM

1CH Full Range Class D Amplifier
 Maximum Output power @14.4V(1 OHM): 1000W RMS
 Maximum Output power @14.4V(2 OHM): 750W RMS
 Maximum Output power @14.4V(4 OHM): 500W RMS
 Input Sensitivity:200mv
 Signal-to-Noise Ratio: 100db
 Frequency Response : 10Hz to 20KHz (3db)
 Crossover:
 H.P.F (High Pass Filter): 15Hz-1KHz(-12db/8)Variable
 L.P.F(Low Pass Filter): 80Hz to Full(-12db/8)Variable
 Bass Boost: 0-12db(50Hz)
 Thermal Management : Smart Cooling System
 Fan powered by temperature or Audio Input Impedance : 56k Ohms
 Protection system: Output short/High/Low Supply Voltage/Thermal Protection
 Minimum Supply Voltage: 9V
 Maximum Supply Voltage: 16V

SP-1500.1D-1 OHM

1CH Full Range Class D Amplifier
 Maximum Output power @14.4V(1 OHM): 1500W RMS
 Maximum Output power @14.4V(2 OHM): 1100W RMS
 Maximum Output power @14.4V(4 OHM): 800W RMS
 Input Sensitivity:200mv
 Signal-to-Noise Ratio: 100db
 Frequency Response : 10Hz to 20KHz (3db)
 Crossover:
 H.P.F (High Pass Filter): 15Hz-1KHz(-12db/8)Variable
 L.P.F(Low Pass Filter): 80Hz to Full(-12db/8)Variable
 Bass Boost: 0-12db(50Hz)
 Thermal Management : Smart Cooling System
 Fan powered by temperature or Audio Input Impedance : 56k Ohms
 Protection system: Output short/High/Low Supply Voltage/Thermal Protection
 Minimum Supply Voltage: 9V
 Maximum Supply Voltage: 16V

SP-3000.1D-1 OHM

1CH Full Range Class D Amplifier
 Maximum Output power @14.4V(1 OHM): 3000W RMS
 Maximum Output power @14.4V(2 OHM): 2000W RMS
 Maximum Output power @14.4V(4 OHM): 1100W RMS
 Input Sensitivity:200mv
 Signal-to-Noise Ratio: 100db
 Frequency Response : 10Hz to 20KHz (3db)
 Crossover:
 H.P.F (High Pass Filter): 15Hz-1KHz(-12db/8)Variable
 L.P.F(Low Pass Filter): 80Hz to Full(-12db/8)Variable
 Bass Boost: 0-12db(50Hz)
 Thermal Management : Smart Cooling System
 Fan powered by temperature or Audio Input Impedance : 56k Ohms
 Protection system: Output short/High/Low Supply Voltage/Thermal Protection
 Minimum Supply Voltage: 9V
 Maximum Supply Voltage: 16V

SP-5000.1D-1 OHM

1CH Full Range Class D Amplifier
 Maximum Output power @14.4V(1 OHM): 5000W RMS
 Maximum Output power @14.4V(2 OHM): 3300W RMS
 Maximum Output power @14.4V(4 OHM): 1850W RMS
 Input Sensitivity:200mv
 Signal-to-Noise Ratio: 100db
 Frequency Response : 10Hz to 20KHz (3db)
 Crossover:
 H.P.F (High Pass Filter): 15Hz-1KHz(-12db/8)Variable
 L.P.F(Low Pass Filter): 80Hz to Full(-12db/8)Variable
 Bass Boost: 0-12db(50Hz)
 Thermal Management : Smart Cooling System
 Fan powered by temperature or Audio Input Impedance : 56k Ohms
 Protection system: Output short/High/Low Supply Voltage/Thermal Protection
 Minimum Supply Voltage: 9V
 Maximum Supply Voltage: 16V

Fig 2 POWER CONNECTOR

SP-5000.1D-1 OHM/SP-8000.1D-1 OHM/
 SP-14000.1D-1 OHM/SP-16000.1D-1 OHM

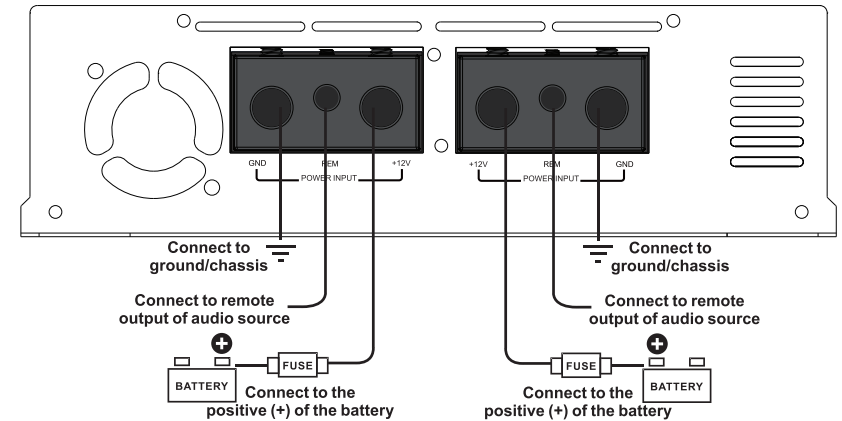


Fig 3 FRONT PANEL CONNECTOR

SP-200.4-1 OHM/SP-500.4-1 OHM

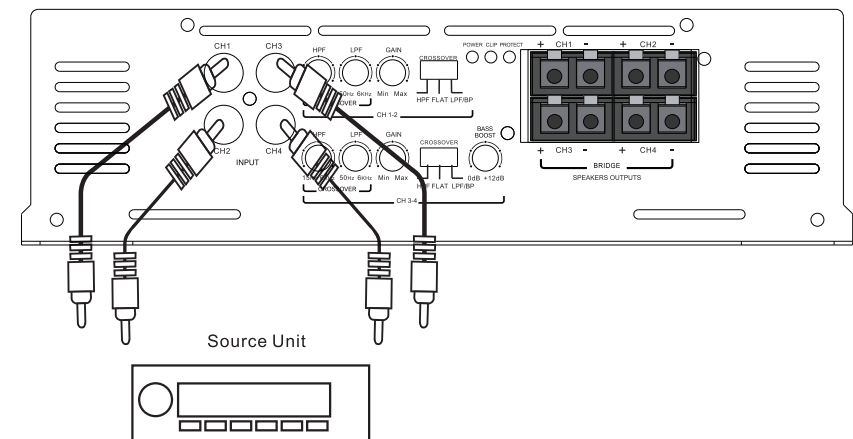


Fig 4 FRONT PANEL CONNECTOR

SP-1000.1D-1 OHM/SP-1500.1D-1 OHM/SP-3000.1D-1 OHM
 SP-5000.1D-1 OHM/SP-8000.1D-1 OHM/SP-14000.1D-1 OHM
 SP-16000.1D-1 OHM

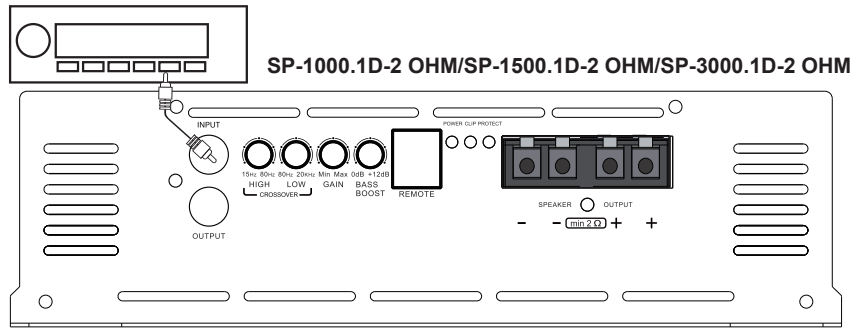
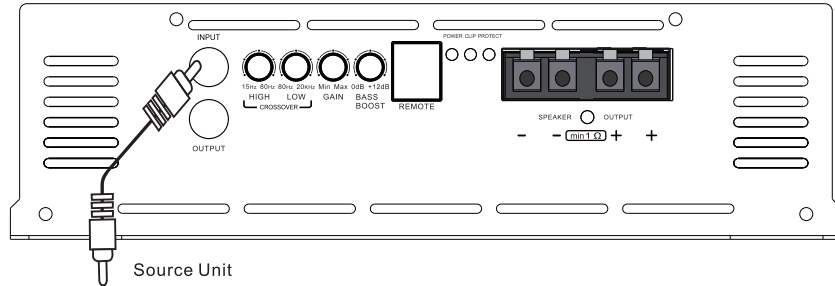
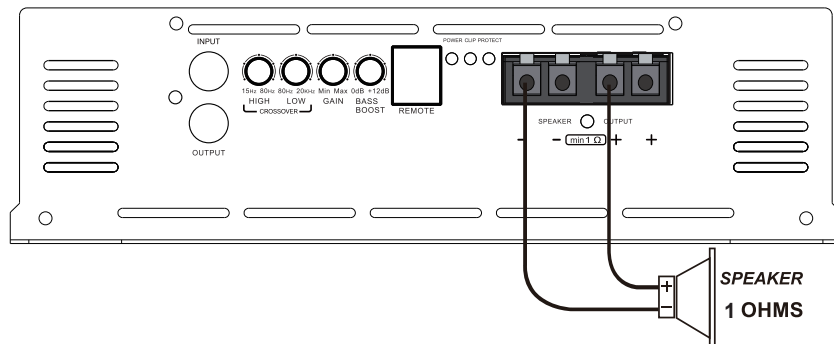


Fig 5 Speaker Connection

SP-1000.1D-1 OHM/SP-1500.1D-1 OHM/SP-3000.1D-1 OHM
 SP-5000.1D-1 OHM/SP-8000.1D-1 OHM/SP-14000.1D-1 OHM
 SP-16000.1D-1 OHM



SP-1000.1D-2 OHM/SP-1500.1D-2 OHM/SP-3000.1D-2 OHM

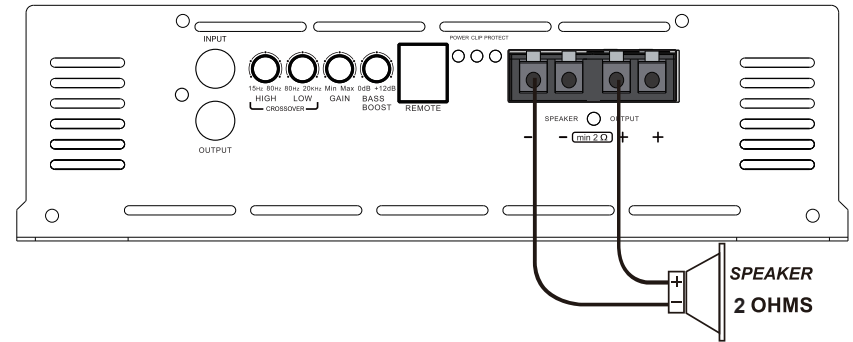


Fig 6 Speaker Connection

SP-200.4-1 OHM/SP-500.4-1 OHM

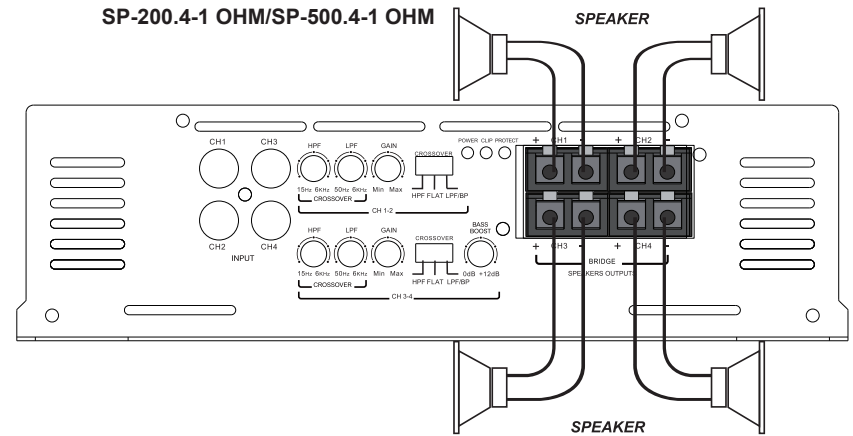


Fig 7 Speaker Connection (Bridge)

SP-200.4-1 OHM/SP-500.4-1 OHM

