

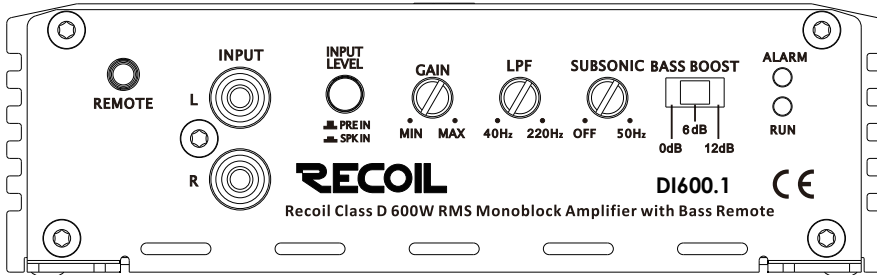
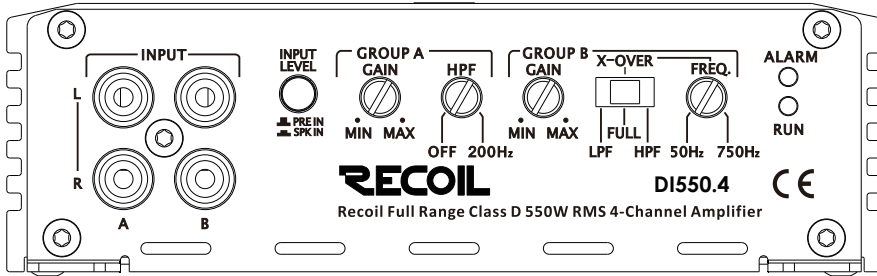


## DI550.4-DI600.1

mono power amplifier and 4 channel power amplifier

## User Manual

## FRONT PANEL



### AIN CONTROL

INPUT LEVEL (PRE IN/SPK IN)

HPF CONTROL

FULL/HPF/LPF SELECTOR SWITCH

FREQ CONTROL

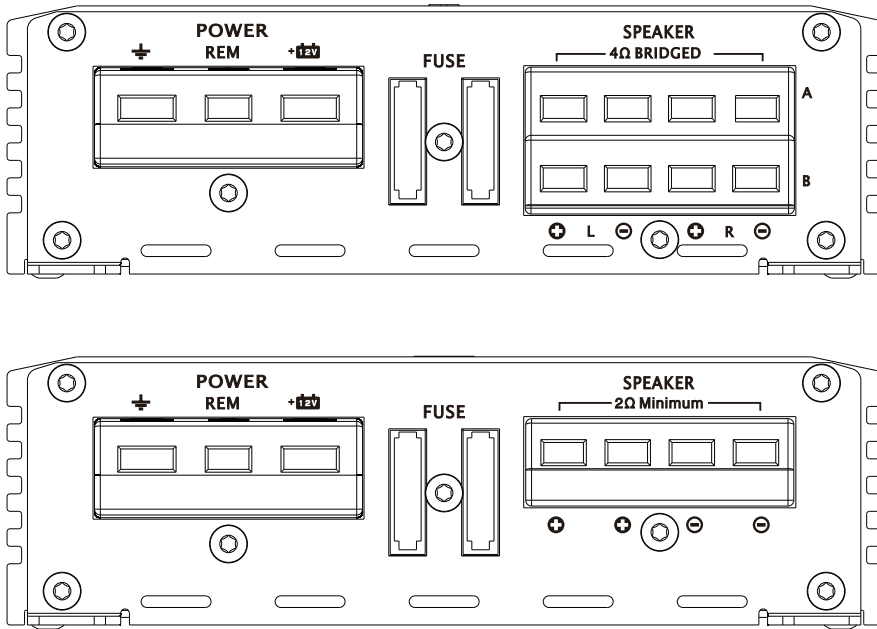
BASS BOOST FREQ CONTROL

BASS BOOST CONTROL

INPUT

The amplifier supports High/Low level signal input. If your audio source device does not have RCA output interface, you can use Soundmagus HTL series signal adaptor.

## REAR PANEL



### GND

Used to connect power amplifier grounding cable. The power supply grounding cable need to be firmly connected to the frame of the vehicle or other places with good conductivity. Please use the cable with same specifications as the power supply cable and connect to frame of the vehicle near the installation position of the power amplifier. Please ensure that the grounding point is good and take appropriate anti-oxidation measures.

### REM

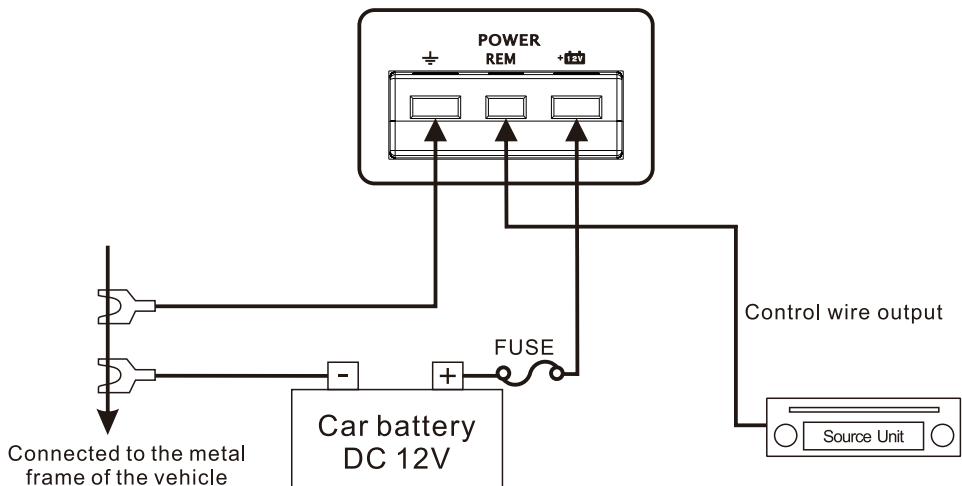
Remote control terminal. The remote control cable must be connected with source unit remote terminal so the amplifier will switch on and off automatically with source unit.

**+12V**

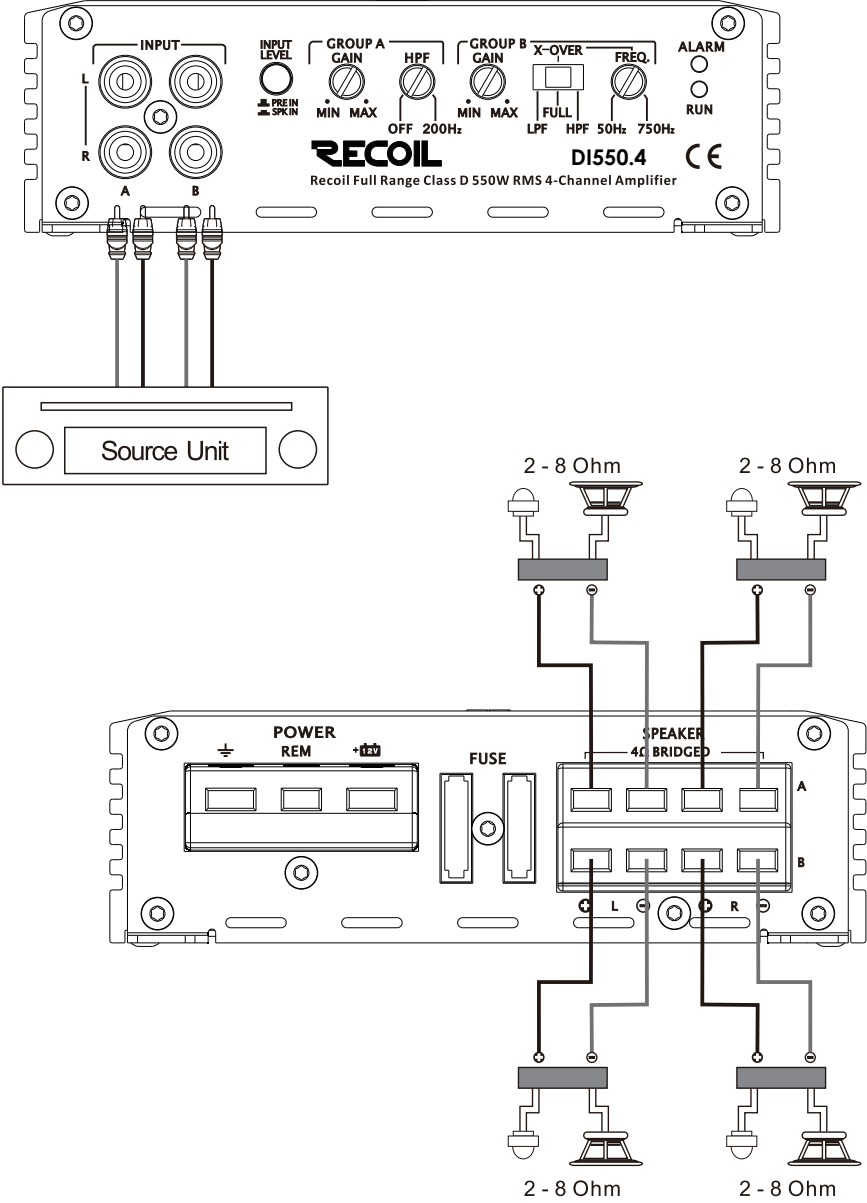
Used to connect the positive terminal 12V car battery. In order to ensure adequate power supply for the amplifier, special cable should be used to connect directly to the positive pole of the battery, and the fuse should be connected in series within 20 centimeters from the positive pole of the battery.

**SPEAKER**

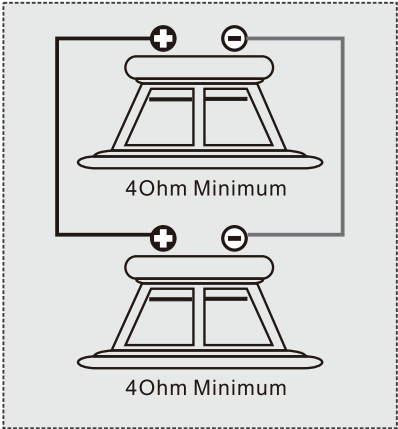
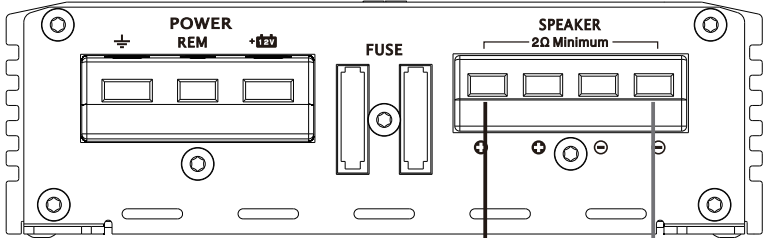
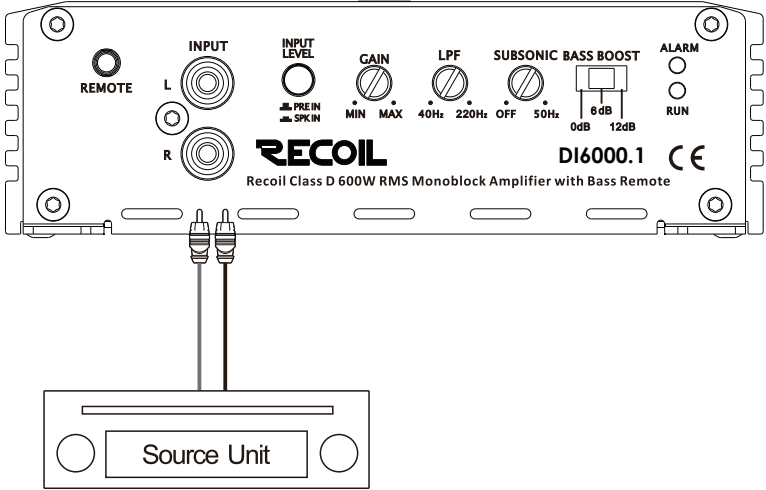
Connect your speakers correctly which means plus to plus and minus to minus. Never connect speaker cables with chassis ground directly. It may destroy your amplifier.

**POWER CONNECTION LEADS**

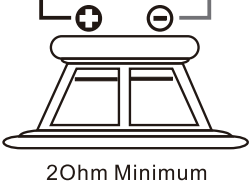
SPEAKERS CONNECTIONS



MONO AMPLIFIER WIRING



or



DI600.1 Mono power amplifier			
Input Sensitivity	PRE INPUT: 0.35~3.5V / SPK INPUT : 0.7~7V100W X 2		
Freq. Response	10Hz~220Hz	Distortion	<0.3%
S/ N Ratio	> 101dB	Rated Power@4 Ohm	1X350W
Low Pass Freq.	40Hz~220Hz	Rated Power@2 Ohm	1 X 600W
SubSonic Freq.	10Hz~50Hz	Peak P ower	1 X 1200W
Filter Slope	24dB/Oct	Minimum Load	2 Ohm
Bass Boost L evel	0dB-6dB-1 2dB	Supply Voltage	7. 5V~16V DC
Optional Remote	YES	Dimensions (mm)	165X150X46

DI550.4 4-Channel power amplifier			
Input Sensitivity	PRE INPUT: 0.35~3.5V / SPK INPUT : 0.7~7V100W X 2		
Freq. Response	10Hz~30KHz	Distortion	<0.3%
S/N Ratio	> 95dB	Rated Power@4 Ohm	4X80W
Filter Type	FULL /HPF/L P F	Rated Power@2 Ohm	4 x130W
Hi Pass Freq.	50Hz~ 500Hz	Bridge Power@4 Ohm	2 X 260W
Low Pass Freq.	50Hz~500Hz	Peak P ower	4 X 260W
Subsonic	30Hz~90Hz	Minimum Load	2 Ohm
Bass Boost L evel	0~12dB	Supply Voltage	7. 5V~16V DC
Dimensions (mm)	165x 150x 46		

TROUBLE SHOOTING

No Function:

The connection cable is not connected correctly( = terminal CABLE/GND /R EM).Ensure that all connections and mechanic contact and that the jacket has been removed. The fuse is defective-pay attention to the correct value of a new fuse.

No Sound:

Speaker cable or speaker plug are not connected correctly.

No Sound /Red LED Protection Shines:

The plus and minus wires of the speaker cable have contact, thus eliminate the short circuit. If you use a 2 Ohm speaker in stereo mode, a 4 Ohm speaker in bridge mode or tri-mode and the set is overloaded, then turn the gain control to "min" until the operation is free of trouble.

**Poor Sound Quality ( Distortions ):**

The speakers are overloaded, therefore turn down the volume level and check the volume control positions.

**No Stereo Sound And A Weak Bass:**

Speaker cables (+) and (-) are mixed up, unit wired out of phase.

**TROUBLE SHOOTING**

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This unit is designed for negative ground 12V DC operation only

Avoid installing the unit where:

- It would be subject to high temperatures, such as from direct sunlight or hot air from the heater.
- It would be exposed to rain or moisture.
- It would be subject to dust or dirt.

If your car is parked in direct sunlight and there is a considerable rise in temperature inside the car, allow the unit to cool off before operation.

When installing the unit horizontally, be sure not to cover the heatsink fins with the floor carpet.

If this unit is placed too close to the car radio, an interference may occur. In this case, separate the amplifier from the car radio.

This power amplifier employs a protection circuit to protect the transistors and speakers if the amplifier malfunctions. Do not attempt to test the protection circuits by covering the heatsink or connecting improper loads.

Do not use the unit with a weak auto battery as its optimum performance depends on a normal battery supply voltage.

For safety reasons, keep the volume of your car audio system moderate so that you can still hear normal traffic sounds outside your car.

If the product contains desiccant, do not eat, avoid touching the liquid, and keep away from children.