



# RS1000.1 USER MANUAL

**RECOIL**  
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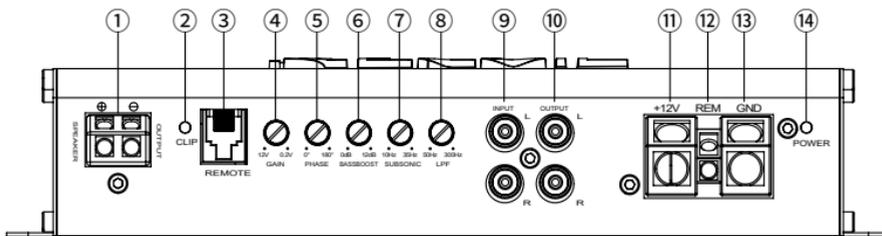
## RS 1000.1

### INTRODUCTION

Thank you for purchasing Recoil amplifier RS1000.1 for your car audio system. You have chosen Recoil because you deserve the best! Please thoroughly read through this manual before getting started. If you have any questions and require additional assistance, please contact support@recoilaudio.com.

**WARNING:** Prolonged exposure to sound pressure levels in excess of 100dB can cause permanent hearing loss. Recoil amplifier can exceed that level so please exercise restraint when listening and enjoying your new amplifier.

### FRONT PLATE



#### 1. SPEAKER OUTPUTS

Connect the speaker wire from the amplifier's terminal block to the speakers. Carefully check the speakers' impedance.

#### 2. CLIP LED INDICATOR

When this LED lights up, it indicates that clipping is present. At this point, adjust the amplifier's gain level until the CLIP LED turns off.

#### 3. REMOTE CONTROL PORT

This port is for the remote level control. It allows the user to control the bass level from the driver's seat.

#### 4. GAIN

The input gain control is preset to match the output of most source units. It can be adjusted to match the output levels from a variety of source units.

#### 5. PHASE

Adjust the phase of the speaker output to align the woofer's phase with the car's acoustics or with other speakers.

#### 6. BASS BOOST

This control adds a boost of 0 to +12 dB at 45 Hz. Be cautious when using boost with some subwoofer systems, as they may not be able to handle the additional low-frequency boost. In the 0 dB position, no bass boost is added.

#### 7. SUBSONIC FILTER

This control allows you to remove unwanted subsonic frequencies that are below the tuning frequency of a ported enclosure. This helps to protect the woofer from over-excursion. It is adjustable from 10 to 35 Hz.

#### 8. LOW PASS FILTER (LPF)

Adjust the knob to set the cutoff frequency. This control blocks frequencies above this cutoff point. The adjustment range is from 50 to 300 Hz.

#### 9. RCA INPUTS

The RCA jacks accept a standard left and right channel signal input. Simply connect them to the source unit using RCA audio cables. Keep these cables away from power wiring whenever possible to reduce the risk of noise.

#### 10. RCA OUTPUTS

The RCA outputs are used to connect to another amplifier in a multi-amplifier system.

#### 11. BATTERY + (12V) INPUT

Before mounting the amplifier, disconnect the negative cable from the battery to prevent accidental damage to your amplifier and audio system. Connect the power cable to the 12V power terminal. Connect one end of the fuse holder to the power cable going to the amplifier, and the other end to the positive battery terminal. This fuse protects the system and the vehicle in case of a short circuit in the power cable. Be sure to use fuses and a fuse holder that are adequate for this application.

#### 12. REMOTE INPUT

Run a remote turn-on cable from a switched 12V source. This can be a toggle switch, a relay, your source unit's remote turn-on wire, or a power antenna turn-on wire. Connect the remote turn-on cable to the REM terminal.

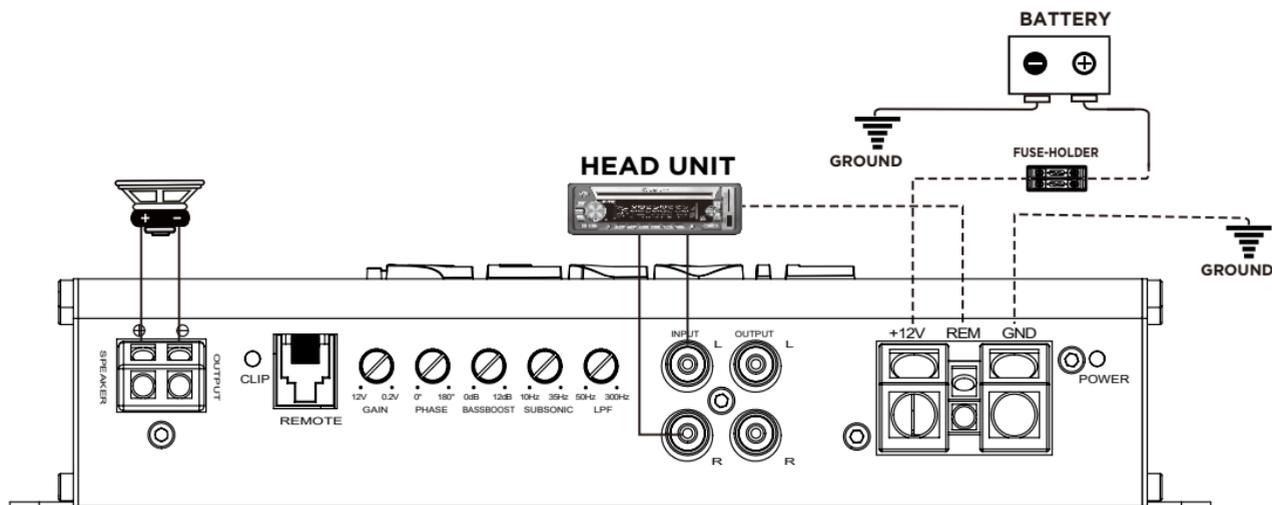
#### 13. GROUND INPUT

Locate a secure grounding point as close to the amplifier as possible. Make sure the spot is clean and provides a direct electrical connection to the vehicle's frame. The ground connection should have as low a resistance as possible. Using a short piece of cable the same size as the power cable, connect one end to this grounding point (or to a battery/battery bank's negative terminal). Run the other end to the amplifier's mounting location and connect it to the GND terminal.

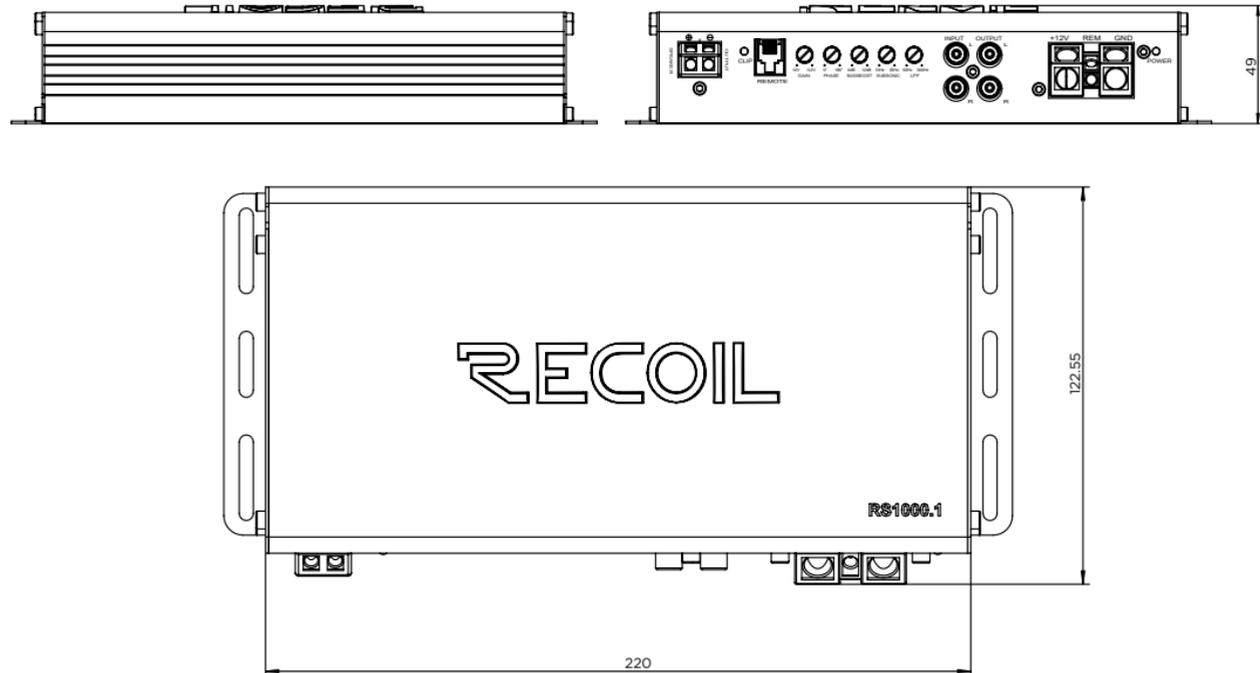
#### 14. POWER LED INDICATOR

This LED lights up in blue when the amplifier is turned on. If the LED lights up in red, the amplifier may be in protection mode or experiencing a malfunction. Shut down the amplifier immediately.

WIRING DIAGRAM



DIMENSIONS



SPECIFICATIONS

RMS @4 OHM(THD<1%DISTORTION) .....	350W
RMS @2 OHM(THD<1%DISTORTION) .....	550W
RMS @1 OHM(THD<1%DISTORTION) .....	1000W
Frequency Response .....	16Hz-320Hz
Signal To Noise Ratio .....	90dB
Best Efficiency .....	>80%
THD .....	≤ 0.2%
Input Sensitivity Level .....	12V-0.2V
Subsonic Filter .....	10Hz-35Hz
Low Pass Filter .....	50Hz-300Hz
Bass Boost .....	0dB-12dB
Remote Control .....	Included
Current Draw .....	90A
Dimension(LxWxH) .....	9.69X4.83X1.93 in
	246X122.6X49 mm