



SOUNDSTREAM

EDGE ANALOG AMPLIFIER OWNER MANUAL

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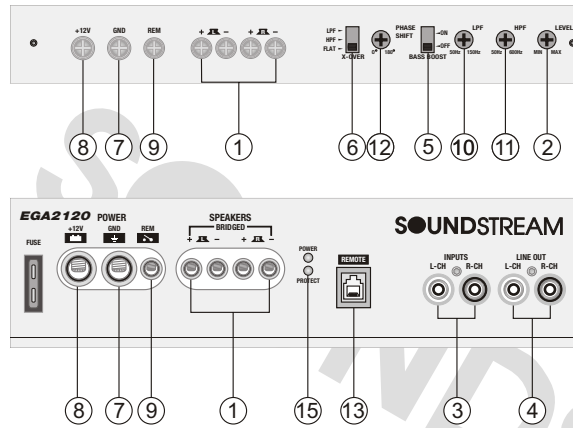
INTRODUCTION

Amplifiers provide high-performance sound reinforcement for your mobile audio equipment. The Multi-Mode bridging capabilities allow flexibility in hosting several different speaker configurations.

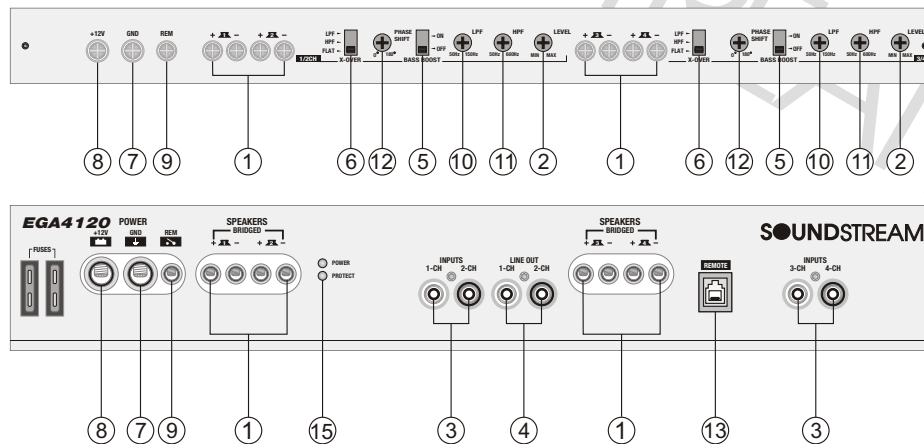
To achieve optimum performance, it is highly recommended that you read this Owners Manual before beginning installation.

Controls & Functions

EGA2120 / 2160 / 2220 / 2300 / 2440

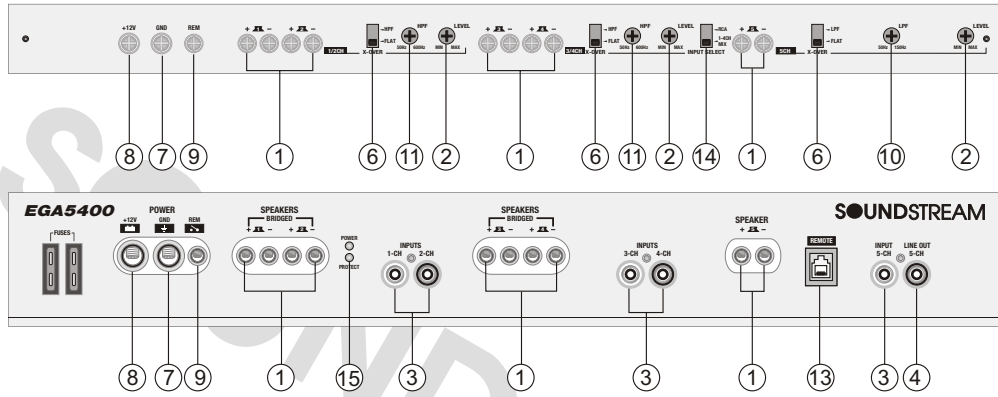


EGA4120 / 4160 / 4220

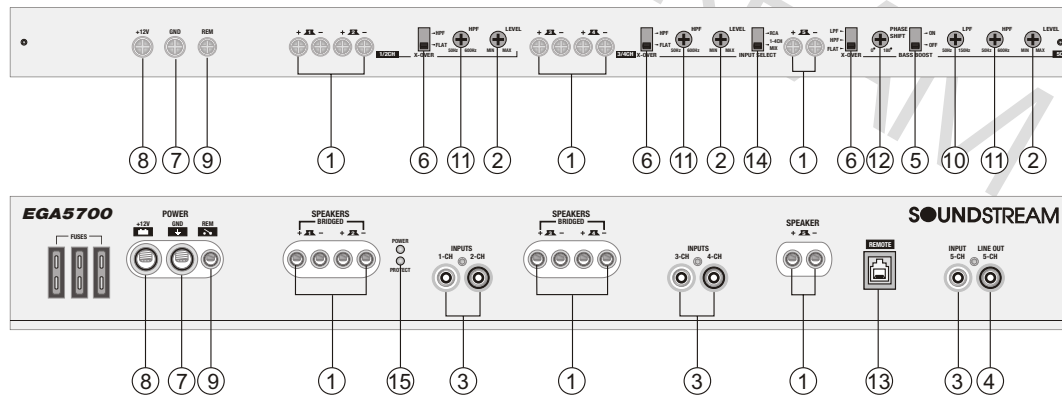


Controls & Functions

EGA5400

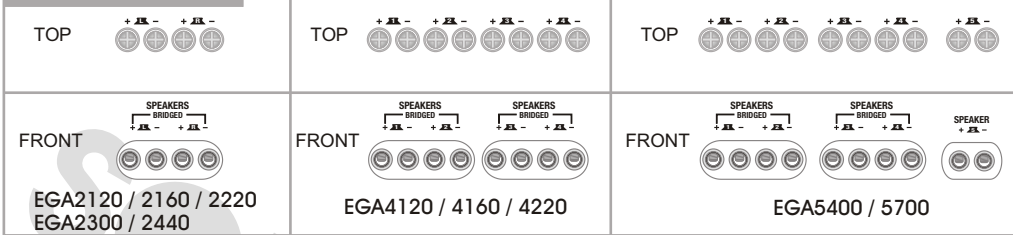


EGA5700



Controls & Functions

1. Speaker terminals

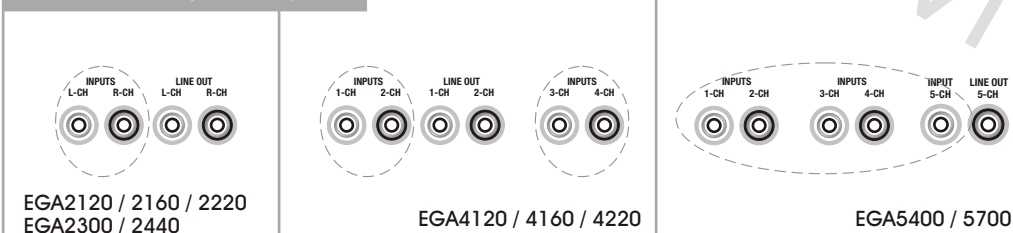


2. Input Sensitivity Adjustment



This control adjusts the amplifier's input sensitivity. Input sensitivity is variable from 200 Millivolts to 8 volts. Clockwise increases sensitivity. Counterclockwise decreases sensitivity. The amplifier can be driven to full power with a wide range of signal levels. A lower signal level will require increased sensitivity for full power. A higher signal level will require decreased sensitivity. Avoid setting sensitivity lower than necessary as this would introduce unwanted distortion.

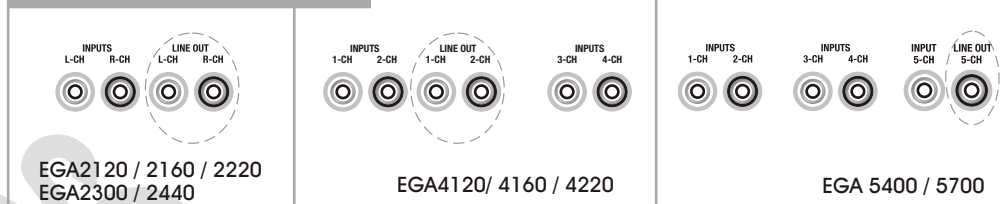
3. Low Level Input RCA jacks



These inputs are for signal cables from the source. Always use high quality shielded RCA cables.

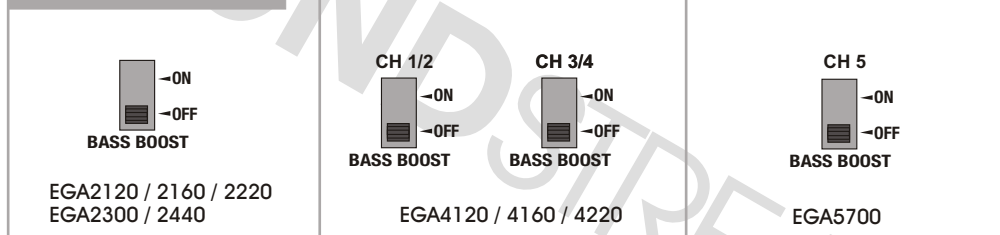
Controls & Functions

4. Low Level OUT RCA jacks



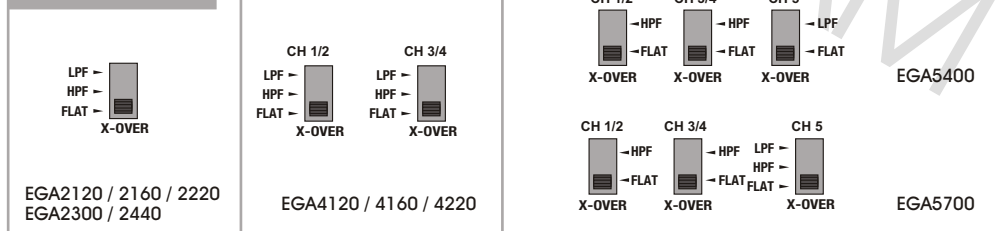
The LINE OUT allows you to build multiple amplifier systems without having to use splitter cords to distribute the signal. Now it is simply a matter of bringing one set of RCAS into the first amplifier, then using the line out RCA jacks as the feed to the next amplifier.

5. Bass Boost Switch



By using the bass boost function, bass notes at 35Hz - 80Hz are emphasized as much as 10dB.

6. X-over Switch

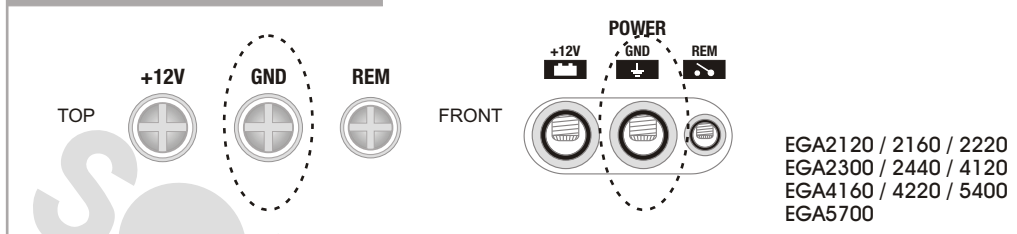


Adjust the crossover for your chosen installation method.

- LOW : Low pass filter-only bass tones (50Hz-150Hz) go to speakers. Use with woofer or sub-woofer.
- FULL : No filter-all tones go to speakers. Use with full-range speakers, or with external crossovers.
- HIGH : High pass filter-blocks very low tones (50Hz-600Hz) from the speakers.

Controls & Functions

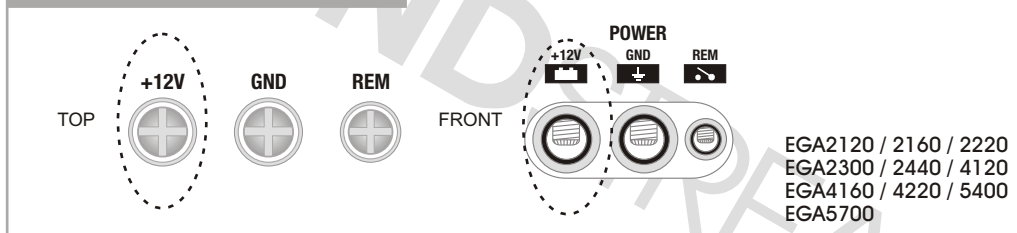
7. B-Terminal (Chassis ground)



To avoid unwanted ignition noise caused by ground loops, it is essential that the Amplifier be grounded to a clean, bare, metal surface of the vehicles chassis.

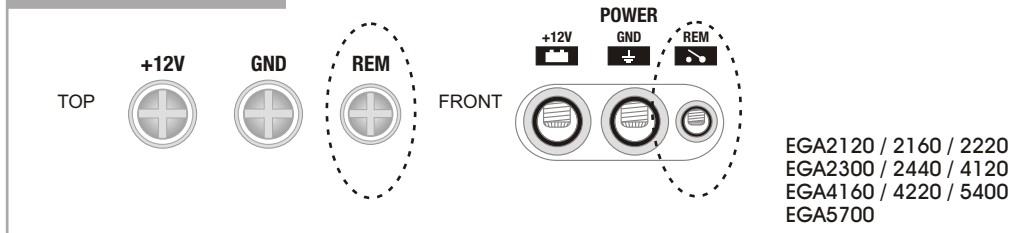
Note : GROUND WIRE SHOULD NOT BE EXTENDED MORE THAN 3 FT(1 METER).

8. B+ Terminal (Battery positive)



Due to the power requirements of the Amplifier, this connection should be made directly to the positive(+) terminal of battery. For safety measure, install an in-line fuse Holder (not included) as close to the battery positive(+) terminal as possible with an ampere rating not to exceed total value of fuses in Amp.

9. Remote Power On

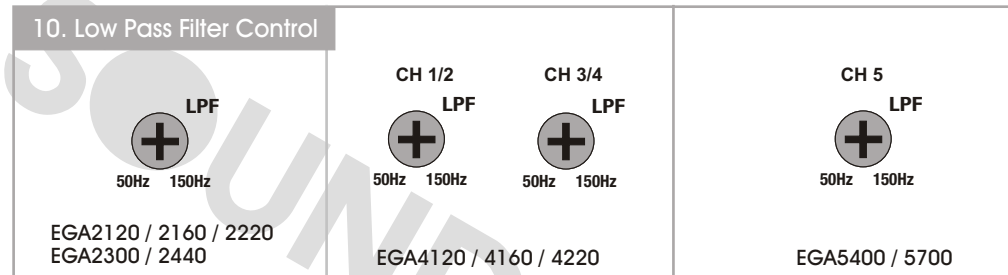


Controls & Functions

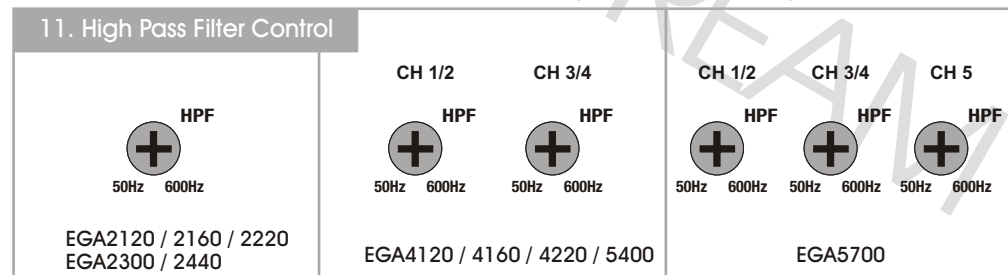
To remote wire car stereo.

This amplifier is turned "ON" remotely when vehicle's stereo is turned "ON"

Note : IF YOUR RADIO DOES NOT HAVE +12 VOLT OUTPUT LEAD WHEN TURNED ON, THE "REMOTE" TERMINAL ON THE AMPLIFIER CAN BE CONNECTED TO VEHICLES ACCESSORY CIRCUIT WHICH PROVIDES +12V WHEN THE CAR IS ON.







Variable Low-Pass Filter (50Hz-150Hz) : For use as a dedicated subwoofer channel, set filter switch to "LPF". Adjust variable crossover frequency with control as desired. The amplifier input circuit filters out everything above 50Hz150Hz (dependent on the adjustment of the frequency control), so only the deepest bass notes are amplified.



Variable High-Pass Filter (50Hz-600Hz) : For use as a dedicated mid high range channel, set filter switch to "HPF". The input circuit filters out all frequencies below 50Hz 600Hz.

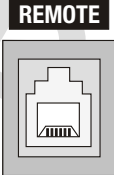
Controls & Functions

12. Phase Shift Control

 <p>PHASE SHIFT 0° 180°</p> <p>EGA2120 / 2160 / 2220 EGA2300 / 2440</p>	<p>CH 1/2</p>  <p>PHASE SHIFT 0° 180°</p>	<p>CH 3/4</p>  <p>PHASE SHIFT 0° 180°</p>	<p>CH 5</p>  <p>PHASE SHIFT 0° 180°</p> <p>EGA5700</p>
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PHASE SHIFT SWITCH (0 AND 180 DEGREES): Allows you to change the phase of your subwoofer from 0 and 180 degrees to help compensate for timing differences between drivers.

13. Remote Control Input - Fig 1.

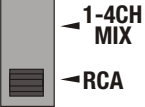


REMOTE

EGA2120 / 2160 / 2220
EGA2300 / 2440 / 4120
EGA4160 / 4220 / 5400
EGA5700

Remote Bass Boost Control : Optional EGA-RM

14. Input Select Switch



INPUT SELECT


EGA5400 / 5700

Input Select Switch :

- 1-4CH : When signal is put into RCA input of CH1/2/3/4, 5CH Operates
- RCA : When signal is put into RCA input of CH1/2/3/4/5, 5CH Operates

Controls & Functions

15. LED indicator

POWER

 PROTECT

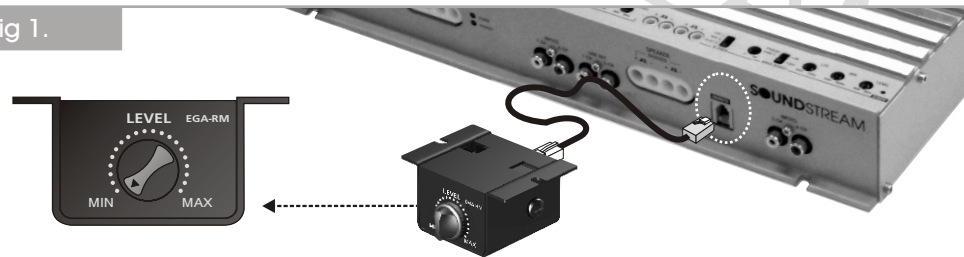
EGA2120 / 2160 / 2220
 EGA2300 / 2440 / 4120
 EGA4160 / 4220 / 5400
 EGA5700

POWER : This GREEN LED will illuminate when the amplifier is turned "ON". If it fails to illuminate, check the power connections to the Amplifier and fuses.

PROTECT : The amplifier protection circuitry will disable the amplifier if input overload, short circuit or extremely high temperature conditions are detected. When the protection mode is in operation, the LED indicator on the side panel will be illuminated, indicating the amplifier has gone into a self-preservation mode.

If you observe that the Protection LED is lit, please check the system carefully to determine what has caused the protection circuit to engage. The amplifier can be reset by turning the remote power off and then on again. If the amplifier shut down due to a thermal overload condition, please allow it to cool down before restarting. If the amplifier shut down because of an input overload or short circuit, be sure to repair these conditions before attempting to power up the amplifier again.

Fig 1.



Remote Bass Boost Control : Optional EGA-RM

Remote Bass Boost Control : This control adjusts the Bass Boost gain for the amplifier's speaker output (0 - +12dB)

END