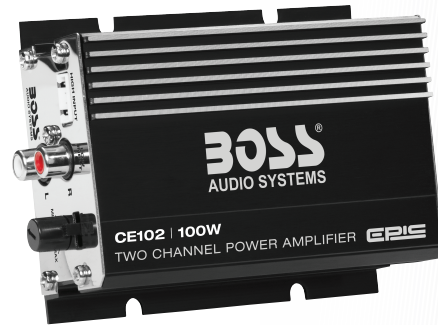
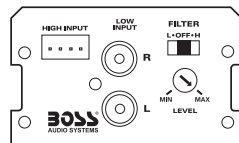




**CE102 USER MANUAL**  
2-CHANNEL WEATHER RATED  
POWER AMPLIFIER



**Control & Connection Locations**



**Controls**

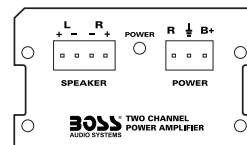
**Level Adjustment:**

This control adjusts the amplifier's input sensitivity. Input sensitivity is variable from 200 Millivolts to 6 Volt. Turn the control clockwise to increase sensitivity. Turning the control counter-clockwise will decrease sensitivity. This control is not a volume control for the amplifier. The amplifier can be driven to full power with a wide range of signal levels. A low level signal will require increased sensitivity for full power. A high level signal will require decreased sensitivity.

**RCA Inputs:**

These inputs are for signal cables from a source unit. Always use high quality RCA cables.

**Controls Continued...**



**GND (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 vehicle's chassis.

**+12V (Battery positive):**

Due to the power requirements of the Amplifier, this connection should be made directly to the positive (+) terminal of the battery. If needed, use extension wires of minimum 14 gauge for connection to the battery. For safety measure, install an additional 7.5A in-line fuse (not included) within 8" (20 cm) of the battery.

**Remote Turn-On Input:**

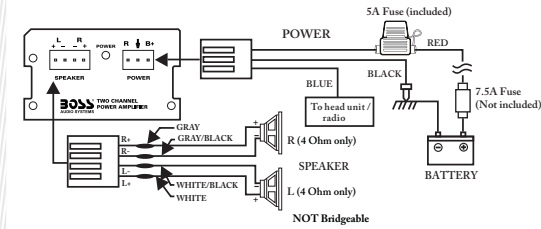
Connect to remote turn-on wire of head unit. The amplifier is turned "ON" remotely when the vehicle's head unit is turned "ON".

**Power Indicator LED:**

This Green LED will illuminate when the amplifier is turned "ON"

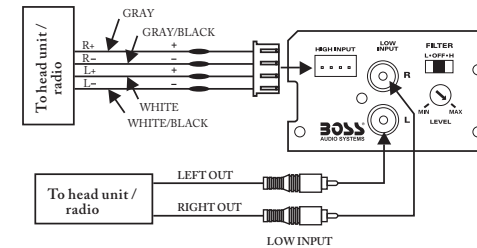
**Wiring**

**Power Input & Output Connection Mode:**



**Signal Input Connection Mode:**

Note: Do not connect both the high-level and low-level inputs from your source unit to this amplifier at the same time.



**Troubleshooting**

SYMPTOM	CHECK POINT	CURE
NO SOUND.	Is the power LED illuminated?	1. Check fuses in amplifier. 2. Be sure Turn-on lead is connected. 3. Check signal leads. 4. Check gain control. 5. Check Tuner/Deck volume level. 6. Clean contacts on fuse holders.
	Is the Overload LED illuminated?	Check for speaker short or amplifier overheating.
AMP NOT SWITCHING ON.	No power to power wire.	Repair power wire or connections.
	No power to remote wire with Head Unit on. Fuse broken.	Check connections to radio. Replace Fuse.
NO SOUND IN ONE CHANNEL.	Check Speaker Leads.	Inspect for short circuit. Check for open Connection. Check Speaker Leads Reverse Left and Right RCA inputs to determine if it is occurring before the amp.
AMP TURNING OFF AT MED/ HIGH VOLUME.	Check Speaker load impedance.	Inspect that speaker load impedance recommendations are followed. Check wiring configuration for speakers. (To Verify proper load impedance, use an OHM meter to measure the total load for each channel of the amplifier.
SYSTEM PROTECTION LED IS LIT	Temperature Shut-down.	Check for proper air ventilation Change amplifier location
	output shorted.	Check speaker wiring Check for blown speaker by disconnecting one at a time and check for LED change.

Dear Customer,

Congratulations on your purchase of this car audio amplifier. It has been designed, engineered and manufactured to bring you the highest level of performance and quality, and will afford you years of listening pleasure. Thank you for making BOSS Audio Systems your choice for car audio entertainment!

**What is Included**

When first unpacking this product, check first that the package contains all of the items listed below. If something is missing, please contact our Customer Service (805-751-4853).

- 1 x Power Amplifier
- 1 x Power Harness with 5A Fuse
- 1 x High Level Input Harness
- 1 x Speaker Wiring Harness
- 4 x Screws/ Spring Washers/ Plain Washers/ Sticky Fastening Pads
- User Manual and Warranty

**Common Features:**

- Frequency Response: 20 Hz - 20 kHz
- 60dB Channel Separation
- 90dB Signal Noise Ratio
- 22K Ohm Input Impedance
- 200m V-6V Input Sensitivity
- THD <0.05%

**Specific Features per model.**

**2 Channel Amplifier**

*100W 2 Channel IC Amplifier*

Selectable Crossover: LPF, FULL, HPF

**User's Notes**