



**User's Manual**

**SMC2.100**

**2-CHANNEL POWER APMLIFIER**

## **DEAR CUSTOMER**

*Congratulations on the purchase of the world's finest brand of car audio amplifier. We are committed to produce the best on musical reproduction and we thank you for choosing our product. Through years of critical testing procedures and hand craftsmanship, we have created a wide range of products that reproduce music with all the clarity and richness you deserve.*

### **Common Features:**

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

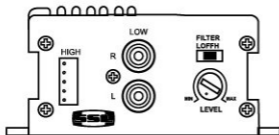
### **Specific Features per model.**

#### **2 Channel Amplifier**

*100W 2 Channel IC Amplifier*

Selectable Crossover: LPF, FULL,HPF

### **Control & Connection Locations**



## Controls

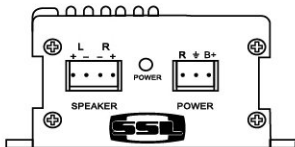
### Level Adjustment:

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. 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 on the Amplifier.

### **Remote Turn-On Input:**

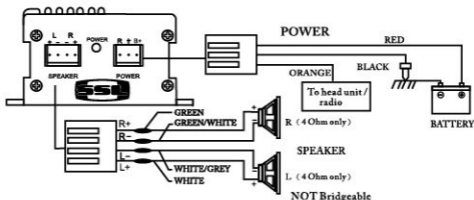
Connect to remote turn-on wire of head unit. The amplifier is turned "ON" remotely when the vehicle's head unit is turned "ON".

### **Power Indicator LED:**

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

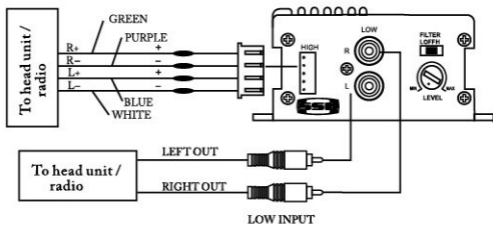
## **Wiring**

### **Power Input & Output Connection Mode:**



## Signal Input Connection Mode:

Please Note: Low Input or High Input, not both at the same time.



## TROUBLE SHOOTING

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.	Check connections to radio.
	Fuse broken.	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.

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