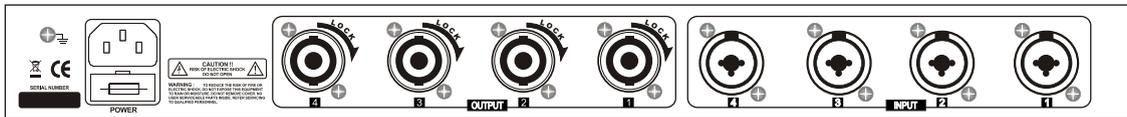


# User's Manual

## for P-154E



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**Power Amplifier**

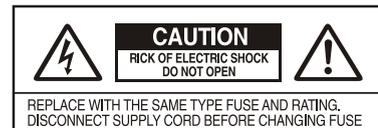
## IMPORTANT SAFETY INSTRUCTIONS

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus. The MAINS plug is used as the disconnect device, the disconnect device shall remain readily operable.

Warning : the user shall not place this apparatus in the confined area during the operation so that the mains switch can be easily accessible.

1. Read these instructions before operating this apparatus.
2. Keep these instructions for future reference.
3. Heed all warnings to ensure safe operation.
4. Follow all instructions provided in this document.
5. Do not use this apparatus near water or in locations where condensation may occur.
6. Clean only with dry cloth. Do not use aerosol or liquid cleaners. Unplug this apparatus before cleaning.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instruction.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.
11. Unplug this apparatus during lightning storms or when unused for long periods of time.
12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

### SAFETY PRECAUTIONS!



This triangle on your component alert you to the presence of uninsulated "dangerous voltage" inside the enclosure that may be sufficient to constitute a risk of shock.



This triangle on your component alert you to important operation and maintenance instructions in this accompanying literature.

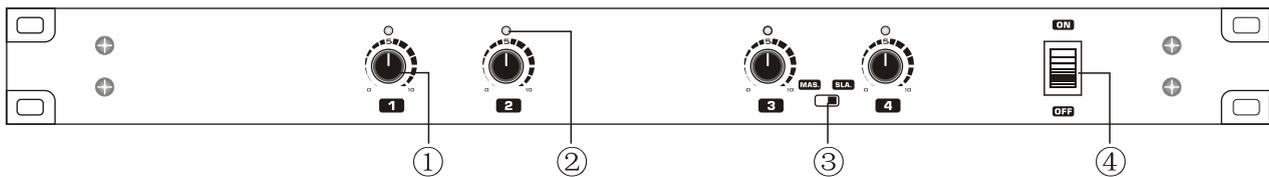
**CAUTION:** To reduce the risk of electric shock, do not remove the top cover (or the tear section). No user serviceable parts inside, refer servicing to qualified personnel.

**WARNING:** To reduce the risk of electric shock, do not expose this appliance to rain and moisture.

## PRECAUTIONS

1. When first powering-up the amp, keep the amplifier gain controls all the way off, in order to prevent from being potentially damaged and from producing annoyed sounds caused by defective cables or hookups. When turning up gain control, do it gradually, until normal operation is verified. These precautions are necessary with all high-power amplifiers, since they have enough power to blow most speakers in abnormal situations.
2. Check the AC Voltage before connecting the AC plug.

## FRONT PANEL



### 1. GAIN CONTROLS KNOB

CSR154 has a level control knob for four channel respectively. Turning clockwise will increase its gain, and counter-clockwise will reduce its gain. Please always power-up with the volume all the way down, and increase volume slowly to make sure that no conditions what so ever could annoy your audience or harm your speakers.

### 2. SIGNAL INDICATOR

Each channel of the CSR154 features a signal LED for showing an audio signal at the input to the channel.

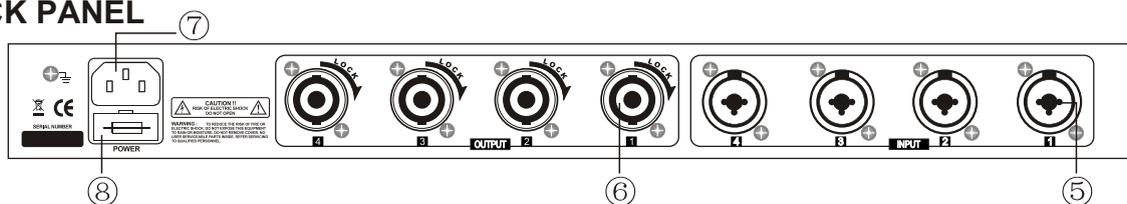
### 3. MASTER / SLAVE SWITCH

Always take slave mode, input signal as input 1 and 2, there are four output.

### 4. Power switch and indicator

Turn on this unit with this power On / Off switch, and the power indicator will illuminate immediately. Always start with gain control all the way down before powering-up to avoid abnormal sound from defective cables or hookups.

## BACK PANEL



### 5. CH 1 / CH2 / CH3 / CH4 INPUT

Connect your source to either the XLR or 1 / 4" phone jack, which are commonly used for both mobile and installation set-ups.

### 6. OUTPUT

This product has Speakon Speaker outputs, so you can use speaker cables with Speakon connectors. These locking connectors are easy to attach and are capable of handling high currents and low impedance loads.

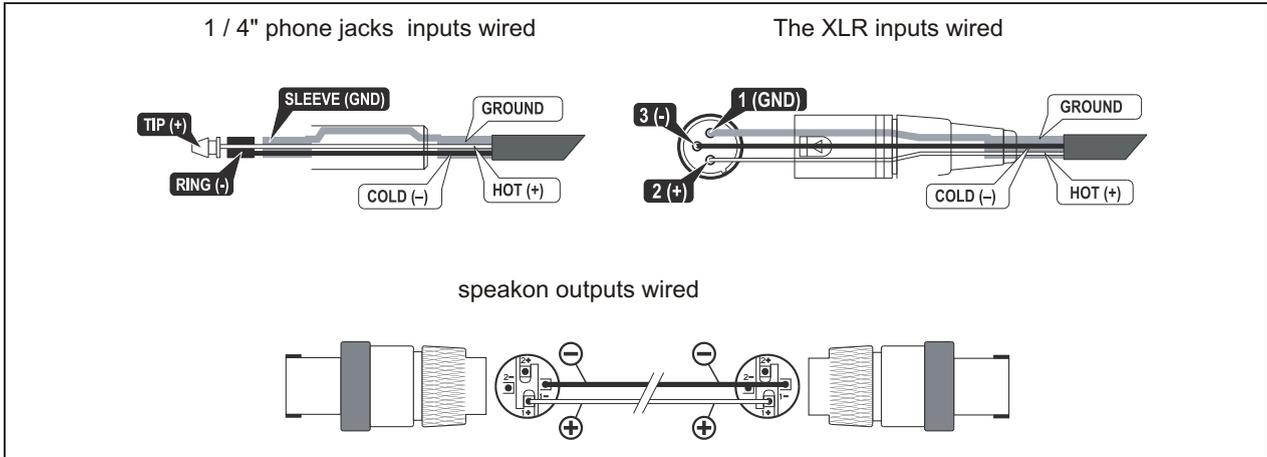
### 7. POWER

This is where you connect the AC linecord to provide AC power. Plug the linecord into an AC socket properly configured for your particular model.

### 8. FUSE HOLDER

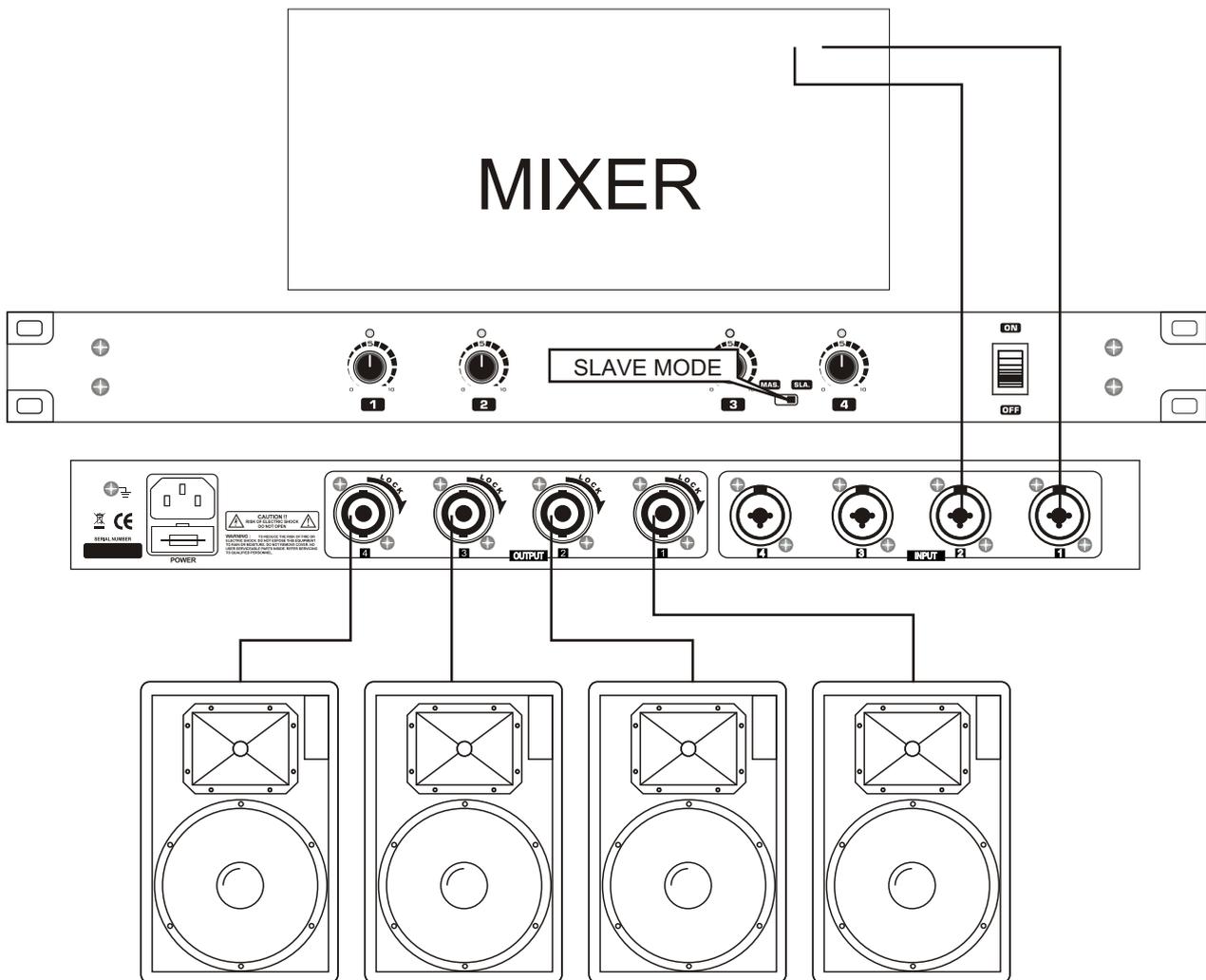
When occur a problem on this appliance, the fuse will be cut off power to prevent from a problem. To replace, use standard fuse as specified on this appliance.

## CONVENTION OF INPUTS AND OUTPUTS

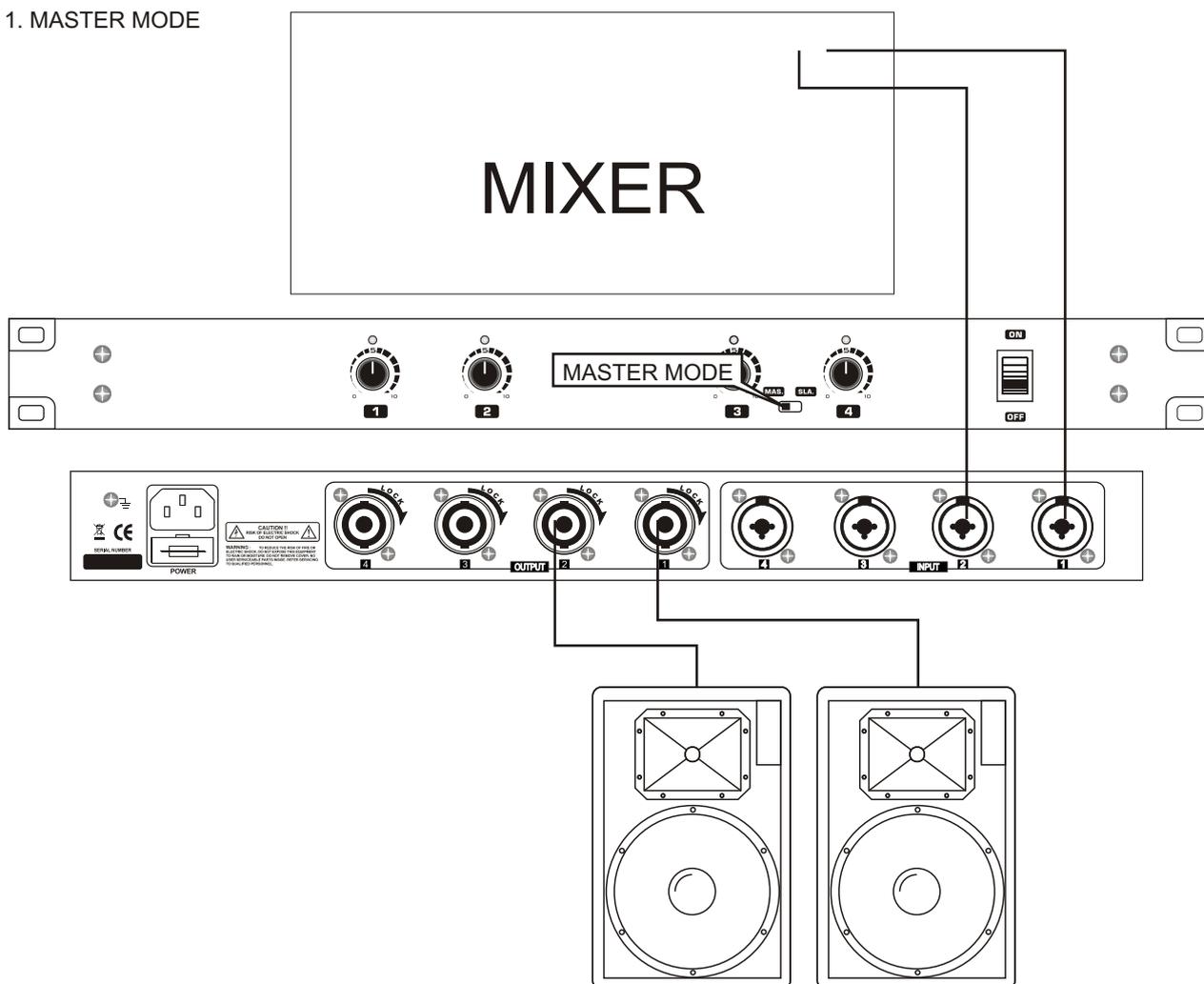


## APPLICATION

### 1. SLAVE MODE



## 1. MASTER MODE



## SPECIFICATION

Output (8 Ω) RMS	150 W x 4CH
Output (4 Ω) RMS	250 W x 4CH
THD	4 Ohms 1 kHz 0.5% THD 250W 8 Ohms 1 kHz 0.5% THD 150W
Signal to Noise Ratio	unweighted 20-20kHz -98dB
Damping Factor	>200 @ 8 Ohms
Frequency Response	20Hz~20kHz ± 0.5dB
Input Impedance	20 K Ohms balanced, 10 K Ohms unbalanced
Input	XLR, 1 / 4" TRS
Output indicators	4-pole, 1+, 1- SIGNAL: Green LED
Front Panel Control	CH1, CH2, CH3, CH4
Rear Panel Control	SPEAKON
Power Requirement	120V / 60Hz, or 230 V / 50Hz depends on different regions
Dimensions (W x H x D)	483x44.5x34.5 (mm)
Weight	3.6 Kg

