

INSTALLATION AND OPERATION MANUAL

CM111S

Mixer Pre-Amplifier



Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty



Important Safety Information

1. Read and keep these instructions.
2. Heed all warnings and follow all instructions.
3. Do not use this apparatus near water.
4. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
5. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
6. Do not defeat the safety purpose of the polarized or grounding-type plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
7. Protect the power cord from being walked on or pinched particularly at plugs, and the point they exit from the apparatus.
8. Only use attachments/accessories specified by the manufacturer.
9. Unplug this apparatus during lightning storms or when unused for long periods of time.
10. 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.
11. This appliance shall not be exposed to water and that no object filled with liquid such as vases shall be placed on the apparatus.
12. Plug this apparatus to the proper wall outlet only.
13. Main plug is used as disconnected device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.
14. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
15. An appliance with a protective earth terminal should be connected to a mains outlet with a protective earth connection.

WARNING!

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THE PLUG WITH
AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES
CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE
THIS APPLIANCE TO RAIN OR MOISTURE.

TO PREVENT ELECTRICAL SHOCK, MATCH WIDE BLADE PLUG TO WIDE
SLOT, FULLY INSERT.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING: TO REDUCE THE RISK
OF ELECTRIC SHOCK, DO NOT
REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

INTRODUCTION

Description:

The CM111S is a stereo mixer pre-amplifier, design for public address and professional audio applications. The stereo mixer has 6 balanced mic/line input and 4 aux inputs, plus one interface for voice alarm.

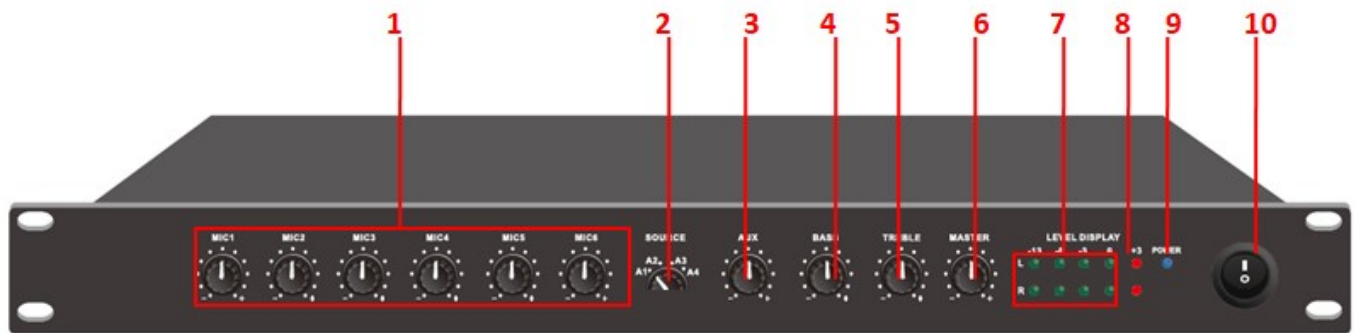
Different priority input level makes it easy for a simple conference system, each microphone input support 48V phantom power. Dual AC 110V-240V and 24V DC power supply system.

Matched with C Series amplifier to set up stereo sound system for classroom, meeting room and hotel sound system etc.

Features:

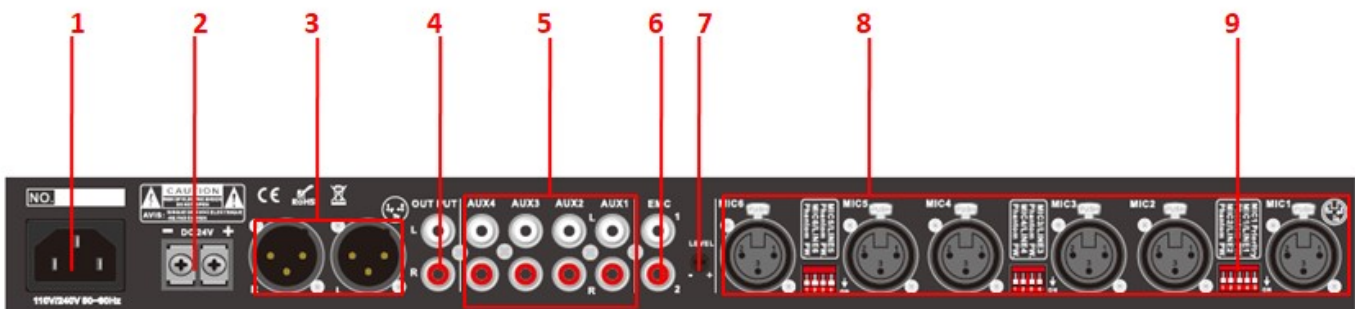
- 11 inputs stereo mixer pre-amplifier
- 19" rack mount design, 1U
- 6 x balanced Mic/Line inputs, Aux 1-4 inputs and EMC input
- Individually Mic/Line switchable with 48V phantom power
- REC output and stereo balanced XLR outputs
- Input priority from high to low: Mic1>EMC>Mic2-5 or EMC>Mic1>Mic2-5
- 100V to 240V AC and 24V DC power supplies

FRONT PANEL



- | | |
|--------------------------------------|----------------------------------|
| 1. Mic/line 1-6 volume controls | 7. Left/right output level meter |
| 2. Source selector for Aux input 1-4 | 8. Clip LED light |
| 3. Aux volume control | 9. Power Indicator |
| 4. Bass tone control | 10. Power switch on/off |
| 5. Treble tone control | |
| 6. Master volume control | |

REAR PANEL

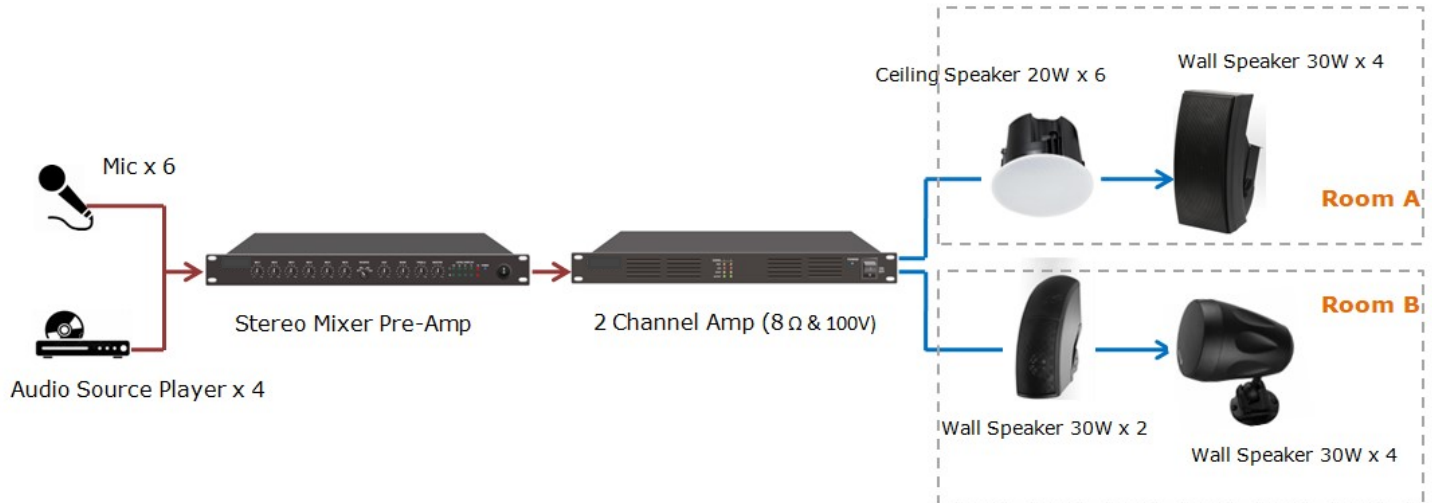
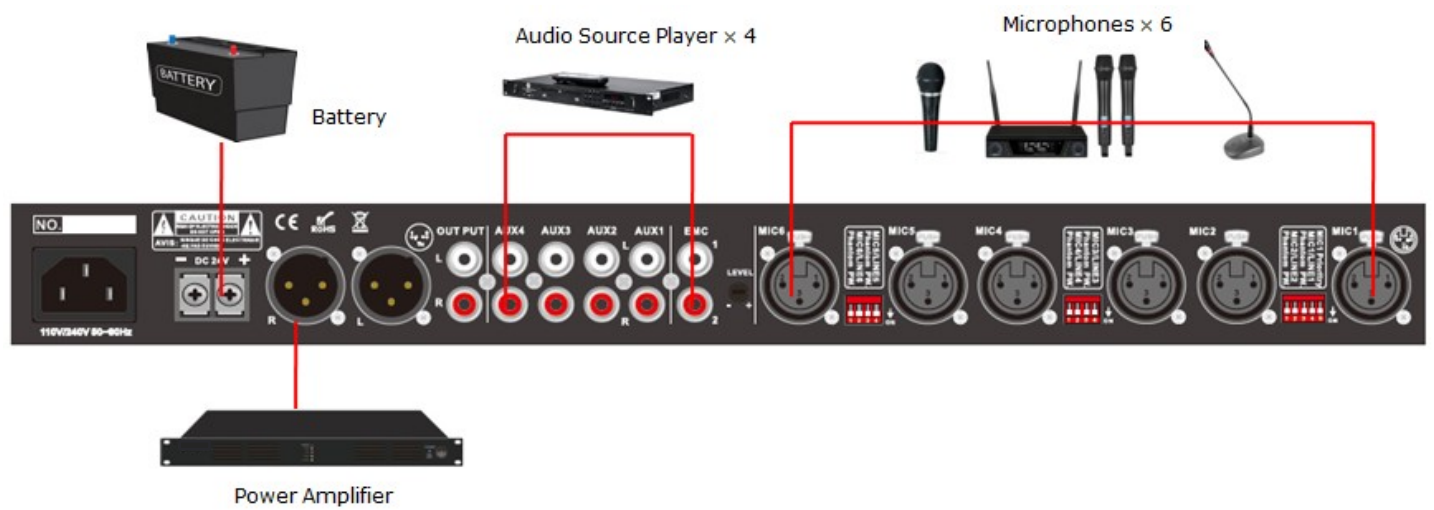


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|---|--|
| 1. AC Power Socket. | 6. EMC input from voice alarm system |
| 2. 24V DC Battery Input. | 7. EMC output level control |
| 3. Left/right stereo balanced XLR outputs | 8. Mic/Line 1-6 balanced XLR inputs |
| 4. Left/right stereo RCA outputs | 9. Mic/line selector, phantom power and priority |
| 5. Aux input 1-4 | |

OPERATION

- When all connections to the mixer pre-amplifier are made, turn all rotary controls down and switch on the power and “ON” LED will illuminate. Turn BASS and TREBLE controls to the middle position (pointing straight up) and turn MASTER rotary control up clockwise for desired volume.
- Ensure a signal from a audio source player is being fed to one of the aux inputs 1-4 or MIC inputs 1-6 and gradually increase the volume control for that channel until the output is heard through the speakers. Turn up the MASTER to the required volume level and reduce the channel volume control if necessary.
- Note: The initial test can be made using the external audio player or microphone. The output of the pre-amplifier is represented on the level meter LEDs and care should be taken that the Red “0” LED is only ever lit momentarily during use. Anything longer than a short flash of this LED indicates distortion or clipping of the output signal and the MASTER should be turned down.
- If a microphone is connected to MIC1-6 input, make sure the dipswitch is switched on and if it requires phantom power, make sure this feature is enabled. Gradually increase the volume control whilst speaking into the microphone until the required volume level is reached. The microphone should not be able to “hear” the speakers, which can cause feedback (squealing or howling noise).
- If the Priority feature is enabled, audio playback through aux input 1-4 will be reduced in volume automatically when speaking into MIC 1.
- In addition to channel and MASTER volume controls, there are BASS and TREBLE EQ controls to adjust the tone of the overall output. At the middle position, these controls have no effect to the signal (no boost or cut). Moving the BASS control clockwise boosts the low frequencies in the audio, whilst moving it anticlockwise will cut the low frequencies. Likewise, moving the TREBLE control clockwise boosts the high frequencies in the audio, whilst moving it anticlockwise will cut the high frequencies. Adjust these EQ controls to suit the type of audio signal or compensate for the room acoustics.

CONNECTION DIAGRAM



SPECIFICATIONS

Model	CM111S
Description	11 Inputs Stereo Mixer
Input	6x balanced Mic/Line inputs, XLR, 600Ω, 5mV Aux 1-4 inputs, RCA, 10kΩ, 200mV EMC input, RCA 10kΩ, 200mV
Output	Stereo balanced XLR, 10kΩ, 0.775mV
Frequency Response	60-15KHz
THD	<0.01% at 1kHz
S/N Ratio	>70dB
Priority	Mic1>EMC>Mic2-5 or EMC>Mic1>Mic2-5
Power Consumption	15W
Power Supply	100V to 240V AC and 24V DC both power supply
Dimension	483 x 440 x 100mm
Weight	2.6kg

SERVICE

Ensure the problem is not related to operator error, or system devices that are external to this unit. Information provided in the troubleshooting portion of this manual may help with this process. Once it is certain that the problem is related to the product contact your warranty provider as described in the warranty section of this manual.

WARRANTY

Warranty terms of 3 years. Please see website www.scpaudio.com for more warranty information.

Specifications may change without notice.

www.scpaudio.com