

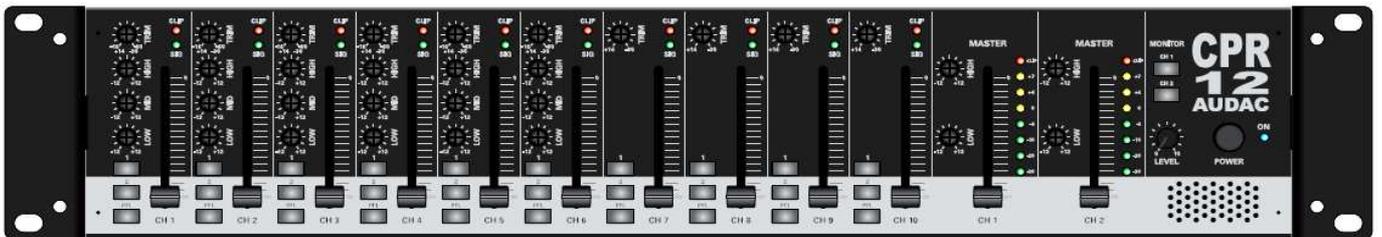
**Preamplifier  
CPR12**

**AUDAC**

PROFESSIONAL AUDIO EQUIPMENT

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CPR12 Preamplifier



User Manual & Installation Guide

AUDAC PROFESSIONAL AUDIO EQUIPMENT

# User Manual & Installation Guide

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## Introduction

*This section briefly describes the possibilities of the CPR12 Preamplifier.*

**T**he CPR12 Preamplifier was developed as an easy to use, flexible solution for multifunctional use.

During the development of the CPR12, the AUDAC-engineers wanted to achieve four goals:

- Delivering a flexible audio solution to control multiple functions
- Easy to use
- Excellent sound quality
- Modern and advanced design

The CPR12 can be used in commercial applications such as restaurants, hotels, shops, warehouses, professional offices, public buildings, ...

## **Environment**

**Do not place this unit in an enclosed environment such as a bookshelf or closet. Ensure that there is adequate ventilation to cool the unit. Do not block the ventilation openings.**

**Do not place the unit in environments which contain high levels of dust, heat, moisture or vibration.**

**Do not use the unit near water or other liquids. Make sure no water or other liquids can be spilled, dripped or splashed on the unit.**

**This unit was developed for indoor use only. Do not use it outdoors.**

**Do not place objects on top of the unit.**

**Place the unit on a stable base.**

## Safety Requirements

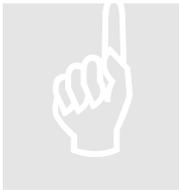
Always handle the unit with care.

Only use a grounded socket outlet and a power cord with grounding plug to plug in the unit.

This unit is not a toy. It should not be operated by children.

Do not stick objects through the openings of the CPR12.

Do not open the unit (risk for electrical shock).



### **CAUTION – SERVICING**

This unit contains no user serviceable parts. Refer all servicing to qualified service personnel. Do not perform any servicing unless you are qualified to do so.

### **Note**

This product conforms to the following European Standards: EN 50081-1: 1992, EN 50082-1: 1992, EN 60065: 1994

## Overview front and rear panel of the CPR12

### FRONT PANEL

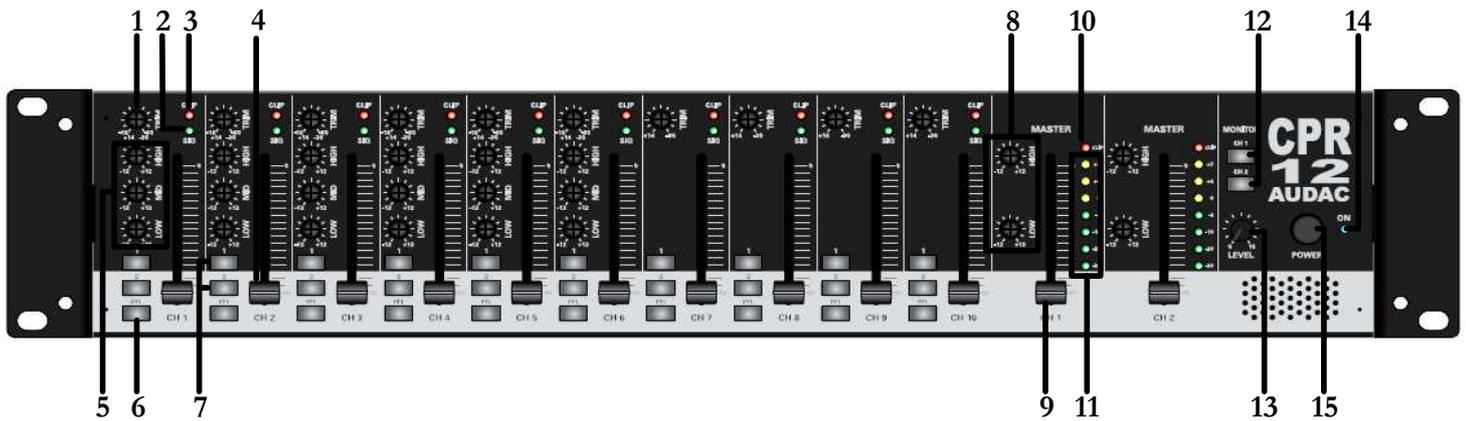


### REAR PANEL



## Details front and rear panel of the CPR12

### FRONT PANEL



#### 1. Trim Controls

These controls allow variable input level. They have 44dB adjustable ranges - 60dB to -16dB for microphone level and -30dB to +14dB for line level.

#### 2. Signal Indicators

These indicators show the present input signal on each input channel.

#### 3. Peak Indicators

These indicators warn against clipping shortly on each input channel. When the peak indicator is flickering, you should adjust the Trim Controls to achieve the best result.

#### 4. Input Channel Fader

These faders allow you to adjust the level for each input channel.

#### 5. Input Channel EQ Controls

6 MIC input channels have 3 bands equalizers which are adjustable over a wide range.

## **6. PFL Switches**

This switch allows you to monitor the pre-fader signal of the input channel through the monitor speaker.

## **7. Output Channel Selectors**

These selectors allow each input signal to be routed to the selected output channel.

## **8. Output Channel EQ Controls**

Output channels have 2 bands equalizers which are adjustable over a wide range.

## **9. Output Channel Fader**

These faders allow level adjustment for main output channels.

## **10. Clip Indicators**

These indicators warn against clipping shortly on each output channel. When the peak indicator is flickering, you should adjust the Trim Controls to achieve the best result.

## **11. Output Level Meters**

These indicators show the output signal level.

## **12. AFL Switches**

This switch allows you to monitor the selected main output signal through to the output channel through the monitor speaker.

## **13. Monitor Level Control**

This control allows you adjust the signal level of the monitor speaker.

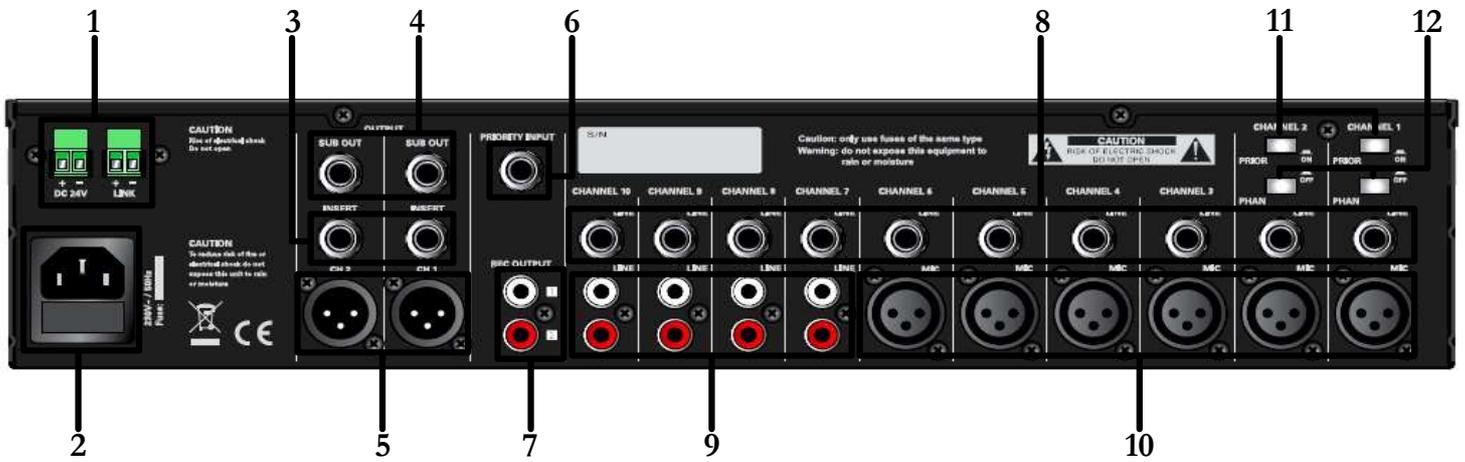
## **14. Power Indicator**

This indicator shows the power on/off status.

## **15. Power Switch**

The device will be supplied with power when this switch is pressed and locked.

## REAR PANEL



### 1. DC 24V Input and Link Output

The device will be supplied by the DC 24V input terminal and will supply power to other devices by the link output terminal.

### 2. AC Inlet

This AC inlet (230V, 50Hz) allows you to replace the fuse conveniently. Please check the value of the fuse before replacement.

### 3. Channel Insert

These insert jacks allow you to connect external effectors like compressors, limiters and noise filters. Use the proper insert cable.

#### **4. Sub Output**

The sub amplifier will be connected to this output terminal. The output signal is a fixed level signal.

#### **5. Main Output**

The main amplifier will be connected to this output terminal.

#### **6. Priority Input**

All input signals will be muted automatically by the priority input signal. This terminal will be used for evacuation announcement.

#### **7. Record Output**

This terminal allows recording with a recording device.

#### **8. Line Inputs 6,3 mm jack stereo**

These line inputs can be connected to line level equipments. This device allows connecting up to 10 balanced and unbalanced inputs.

#### **9. Line Inputs 2xRCA/Cinch**

These line inputs can be connected to line level equipments. This device allows connecting up to 4 stereo line inputs.

#### **10. Microphone Inputs**

This device allows you to connect 6 balanced microphone inputs with an acceptable wide impedance range from 50ohm to 600ohm.

#### **11. Priority Switches**

These switches define the priority of MIC channel 1 and 2. All other input signals except the priority input channel are muted when this function is activated and there is a signal on one of the two channels. MIC channel 1 and 2 have the same priority grade as the priority input channel if these switches are pressed.

#### **12. Phantom Power Switches**

This device supplies DC+15V phantom power to use a condenser microphone with MIC1 and 2 channels.

## Connections

AUDAC products are wired to reflect accepted wiring practices used throughout the world.

Balanced XLR connectors are wired as described:

Pin #1 Shield

Pin #2 Positive

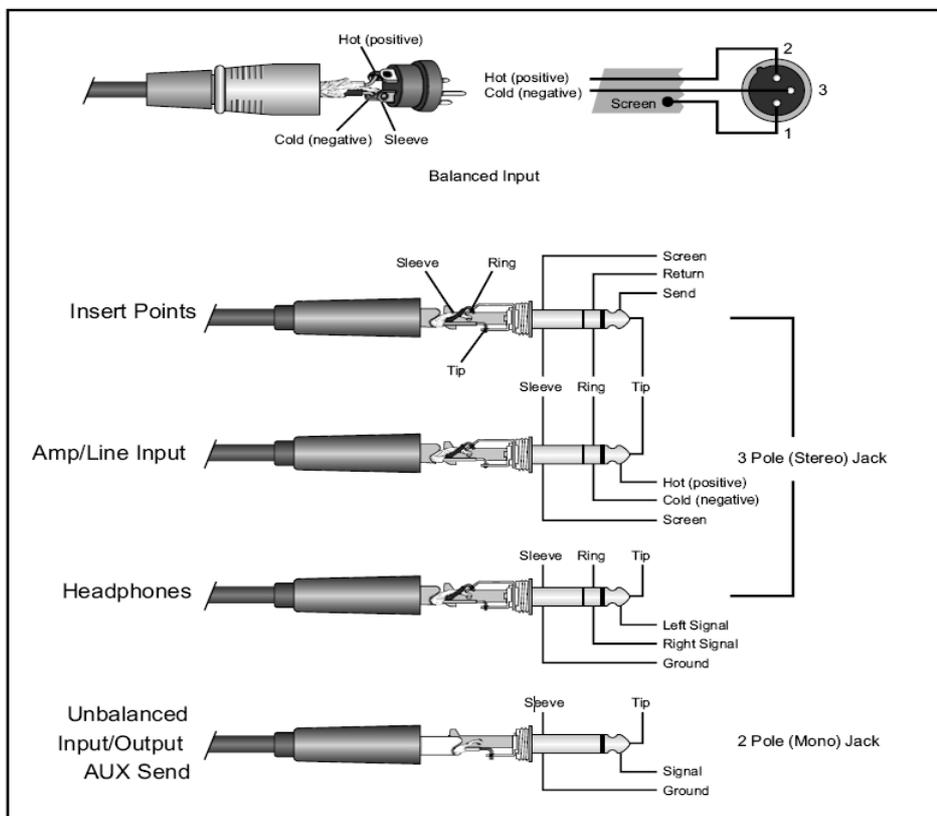
Pin #3 Negative

Balanced 1/4" TRS connectors are wired as described:

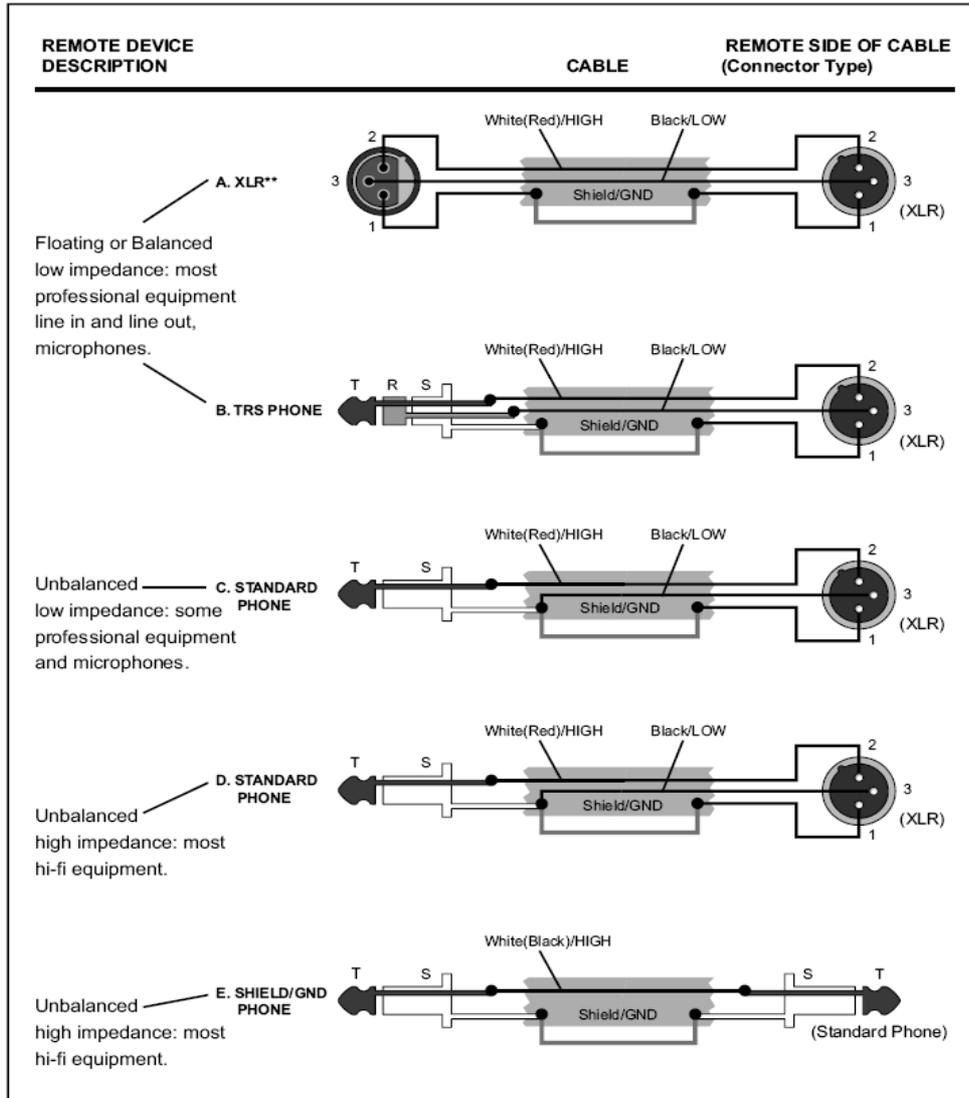
Tip is Positive

Ring is Negative

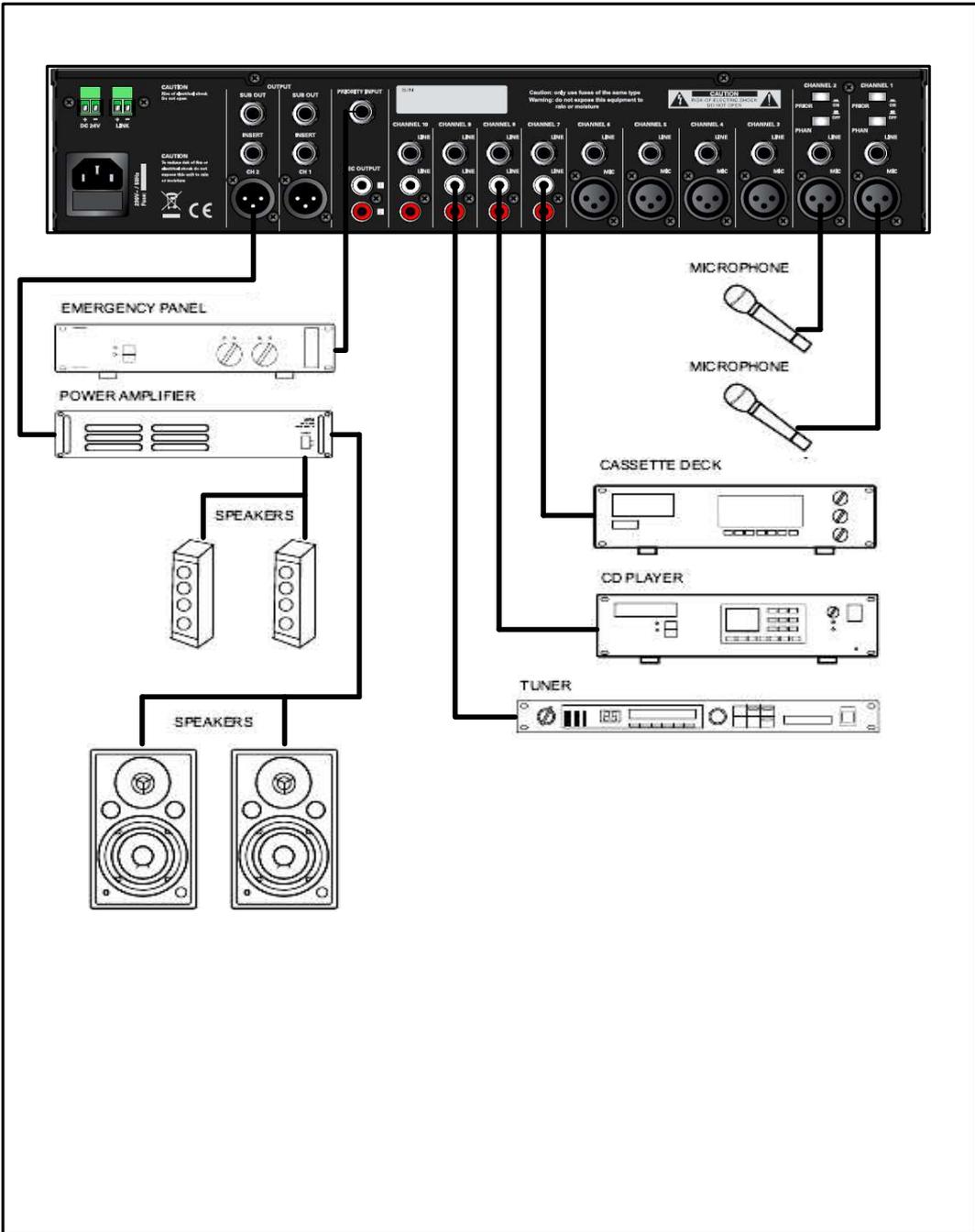
Sleeve is Shield



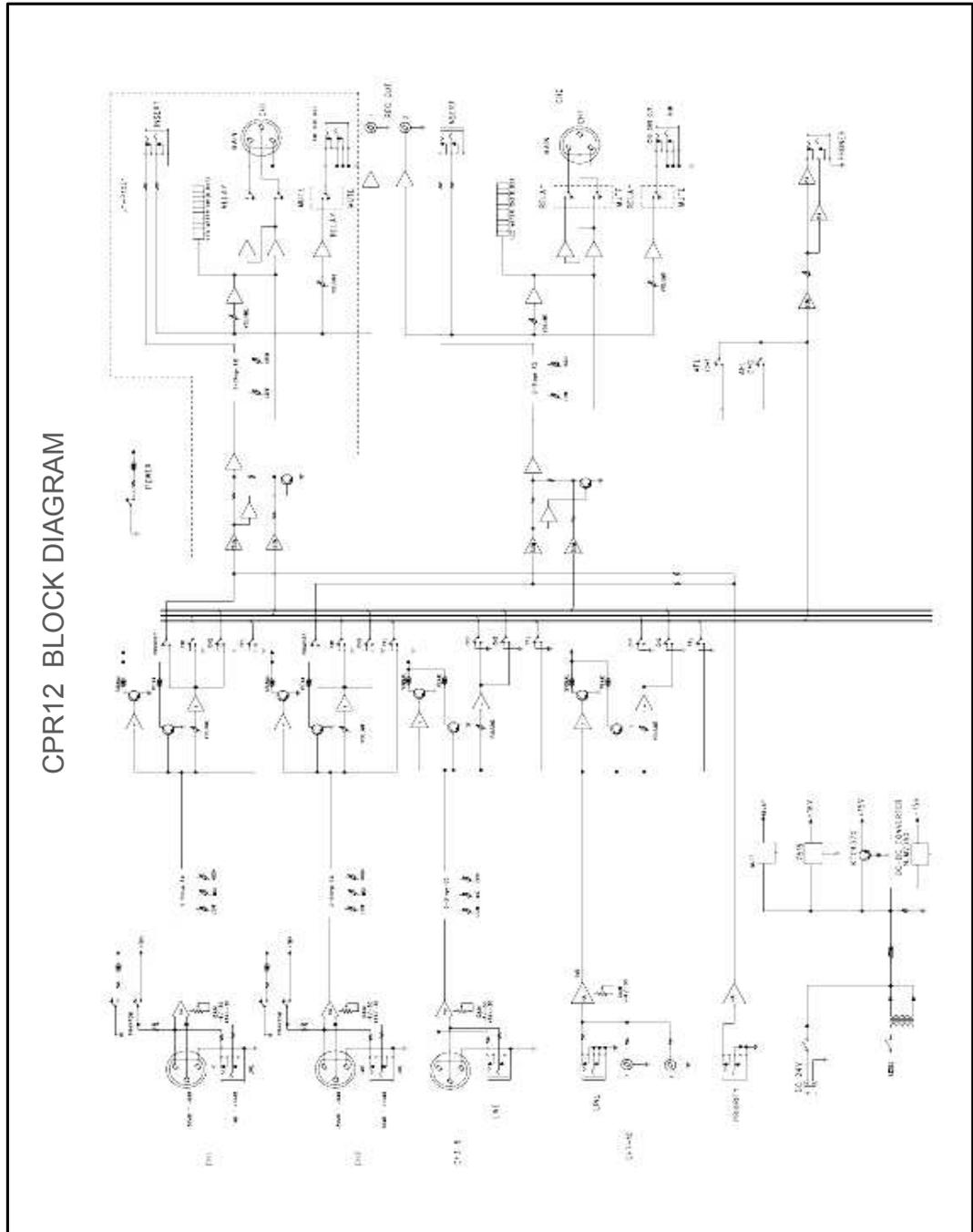
**CONNECTOR AND CABLE CONFIGURATION**



Connector and cable configurations recommended for use with the CPR-series. These cables are based on the use of auxiliary equipment that is isolated from the AC power mains.



# Block diagram



## Additional information CPR12

### TECHNICAL SPECIFICATIONS

Rated Output Voltage	Balanced Master Output	0dBm
	Unbalanced Sub Output	0dBm
	Unbalanced Rec output	-10dBm
	Balanced Microphone channels	-60dBm
Input sensitivity for rated output at maximum gain	Balanced Line 1-6 channels	-30dBm
	Unbalanced Line 7-10 channels	-30dBm
	Unbalanced Priority	0dBm
	Insert	0dBm
Total Harmonic Distortion (T.H.D) at 1KHz Rated output	Mic in to Master Output	Less than 0.2%
	Line in to Master Output	
	Mic in to Sub Output	
	Mic in to Rec Output	
Frequency Response	Rated Output 20Hz~20KHz	±3dB
	HIGH (12.5KHz)	±12dB
Input Channel EQ	MID(2.5KHz)	±12dB
	LOW(80Hz)	±12dB
	HIGH (12.5KHz)	±12dB
Output Channel EQ	LOW(80Hz)	±12dB
Residual Noise		less than -90dB
Crosstalk	At 1KHz	less than -70dB
Phantom Power (balanced)		+15V DC
	Power Source	AC 100~120V / 50~60Hz AC 220~240V / 50~60Hz DC 24V
General	Power Consumption	22Watts
	Weight	5.3 kg
	Dimensions	482(W)x325(D)x88(H)

## Personal notes