



# PRE116

6 Channel stereo preamplifier

## ► Features

- 6 Channel stereo preamplifier
- 2 Mic inputs with phantom & talkover
- One balanced stereo line input (XLR)
- Three unbalanced stereo line inputs (RCA)
- 3.5 mm Jack input on front
- Integrated Bluetooth receiver
- Priority mute contact input
- Balanced stereo output

## ► Applications

- Restaurants, bars
- Shops
- Hotels
- Warehouses
- Business offices
- Public buildings
- ...



The PRE116 is a 6 channel stereo preamplifier containing a variety of input possibilities for microphone and line level audio signals, offering a possibility for a wide range of small to medium sized audio installations in various kinds of applications.

It features two balanced mono inputs with phantom power and three band tone control allowing connection of microphones or line level signal sources. The switchable talkover function suppresses background music if a priority signal is present, making it suitable for paging or voice file announcements.

The four stereo line level inputs are implemented as a balanced one fitted with XLR connectors and three unbalanced ones fitted with RCA connectors. Hereby, connection possibilities for a wide variety of line level sources is guaranteed.

Additionally, an integrated Bluetooth receiver (mixed with Ch 3) and 3.5 mm jack connection on its front panel (mixed with Ch 4) are offering convenient wired or wireless connection possibilities for portable and handheld devices including laptops, smartphones and tablets.

A priority mute contact suppresses all (non-priority) music sources in case of contact closure, allowing to link autonomous alarm systems.

Input volume control is done using the corresponding rotary dials on the front panel, while the output section features a 6-segment LED VU bar, a master volume control and 2-band tone control.

Connections and input or output configurations such as gain adjustment and mono/stereo switching can be done through the provided controls on the back of the device.

## ► Specifications

SYSTEM SPECIFICATIONS			
Inputs		2 x Balanced microphone (XLR)	
		1 x Balanced stereo line (XLR)	
		3 x Unbalanced stereo line (RCA)	
		Bluetooth receiver (mixed with Ch 3)	
		Front 3.5 mm jack (mixed with Ch 4)	
		Priority mute contact	
Outputs		Stereo balanced line (3-pin Euro Terminal Block - 3.81 mm)	
Input sensitivity	Mic	-6 dB ~ -50 dB	
	Line	-20 ~ +4 dB	
EQ Input Mic 1-2	High	12.5 kHz	±15 dB
	Mid	2.5 kHz	±15 dB
	Low	80 Hz	±15 dB
Phantom power mic		15 V DC	
EQ output	Treble	2.5~20 kHz	±15 dB
	Bass	100 Hz	±15 dB
Frequency response		20 Hz - 20 kHz	
Signal / Noise ratio		> 90 dB	
THD + N		< 0.05 %	
Crosstalk		> 70 dB	
Power supply		100 ~ 240 V AC / 50 ~ 60 Hz	
Power consumption		12 Watt	
PRODUCT FEATURES			
Dimensions (Width x Height x Depth)		482 x 44 x 335 mm	
Weight net		4.1 Kg	
Unit height		1 HE	
SHIPPING & ORDERING			
Packaging		Cardboard box	
Shipping weight and volume		5.1 Kg - 0.013 Cbm	
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continuously improve our products.			

## ► Architects' and Engineers' Specifications

---

The preamplifier shall contain six input channels. Four of these inputs shall be stereo line inputs whereof one is a balanced and three others are unbalanced types. The two other inputs shall be balanced mono types with phantom power, three band tone control and talkover functionality for connection of microphones and/or line level audio sources.

In addition to these audio inputs, an integrated bluetooth receiver and 3.5 mm jack connection on the front panel shall be implemented, allowing convenient wired and wireless connection possibilities for portable devices such as laptops, smartphones and tablets. Both output sections shall be provided with an overall volume control, LED VU bar graph and 2-band tone control. All inputs shall be fitted with a gain control, routing selection buttons and clip indicator LED's. The AC power switch shall be implemented on front panel and accompanied with a blue power indicator LED.

All signal input connections shall be made on the rear of the unit. Channel 1 shall be a balanced stereo type implemented using female XLR connectors while the other three line input connections for channels 2 to 4 shall be unbalanced types and performed using RCA connectors. Both microphone inputs shall be implemented using female XLR connectors.

The output shall be a balanced type implemented using terminal block connectors, accompanied with a mono / stereo selection switch and a priority mute contact input.

The pre-amplifier shall operate on a 100~240 V AC / 50 ~ 60 Hz mains network and shall be equipped with a removable power cord with a standard shuko (CEE 7/7) AC plug. The connector on the amplifier chassis shall be a fused IEC C14 type.

The amplifier chassis shall be a one rackspace steel constructed 19" housing. Depth from mounting surface to rear supports shall be 330 mm and the weight shall not exceed 4,1 Kg.