PRE116

6 Channel stereo preamplifier

Highlights:

- Balanced stereo line output
- 3 unbalanced stereo line inputs
- Balanced stereo line input
- Priority audio inputs with phantom power
- 1 x priority mute contact
- Front 3.5mm Jack (mixed with Ch 4)
- Integrated Bluetooth receiver (Version 4.2)



Product information:

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 possibilties for portable and handheld devices including laptops, smartphones and tablets. A priority mute contact suppresses all (nonpriority) 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.

Applications:

- Education
- Hotels
- Corporate
- Bars & Restaurants
- Retail

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System specifications:

Inputs	Balanced Microphone	Type		2 x Balanced Microphone
	Balanced Stereo	Type		1 x Stereo Balanced Line
	Unbalanced Stereo	Type		3 x Stereo Unbalanced Line
				Bluetooth receiver (mixed with Ch 3)
				Front 3.5mm Jack (mixed with Ch)
				Priority mute contact
Outputs	Balanced Stereo	Type		1 x Balanced Stereo outputs
Inputs	Microphone	Sensitivity		-6 dB ~ -50 dB
	Line	Sensitivity		-20 dB ~ +4 dB
	Balanced Microphone	EQ	High	15 dB (12.5 kHz)
			Mid	15 dB (2.5 kHz)
			Low	15 dB (80 Hz)
		Phantom Power		15 V DC
Outputs	EQ	Treble		15 dB (2.5~20 kHz)
		Bass		15 dB (100 Hz)
Frequency	Response (± 3 dB)			20 Hz - 20 kHz
Signal / Noise				> 90 dB
THD+N (@ 1 kHz)				< 0.05%
Crosstalk (@ 1 kHz)				> 70 dB
Power	Supply			100 ~ 240 V AC / 50 ~ 60 Hz
	Consumption			12 W

Product Features:

Dimensions	482 x 44 x 335 mm (W x H x D)
Weight	4,10 kg
Unit height	1 HE

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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 oth¬ers 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.

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