



PRE16

6 Channel stereo pre-amplifier

► Features

- Total of 6 inputs
- Two mic with phantom, tone control & talkover
- One balanced stereo line input
- Three unbalanced stereo line inputs
- Balanced stereo output
- Easy to use
- 19" mounting device (1 HE)



► Applications

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



The PRE16 is a simple but versatile, single rack space, 6 channel stereo pre-amplifier. It offers the perfect solution for a wide variety of applications where various and multiple music sources need to be mixed and diffused through a single zone stereo audio distribution system.

It is reliable, easy to install and simple to operate while still providing the possibility to connect and control all kinds of audio sources.

It is built as a six channel stereo preamplifier whereof two channels are balanced microphone inputs implemented using XLR connections, both equipped with a three-band tone control, gain control, phantom power (15V) for powering (a) condenser microphone(s) and a talkover function which ducks other present music sources when a signal is present.

The other four are direct line inputs, whereof one is a balanced stereo line input with XLR connections while the remaining three are unbalanced ones with RCA connections.

Input volume control can be 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 using the provided controls on the back of the device.

► Specifications

SYSTEM SPECIFICATIONS	
Input impedance Mic 1-2	600 Ohm balanced XLR
Input impedance Channel 1	2 x 600 Ohm balanced XLR
Input impedance Channel 2-4	47 kOhm unbalanced cinch / RCA
Input microphone sensitivity	1 mV
Input Channel 1 sensitivity	200 mV
Input Channel 2-4 sensitivity	200 mV
Frequency response -3dB	20 Hz - 20 kHz
THD+N by 1kHz	< 0,1%
Signal to noise ratio	> 90 dB
Output impedance	2 x 600 Ohm balanced XLR
Output level	1.2 V
Power supply	100 - 240 V AC / 50-60 Hz
Phantom power	15V $\pm$ 3V
Power consumption	3 Watt
PRODUCT FEATURES	
Dimensions (Width x Height x Depth)	482 x 44 x 309 mm
Weight net	3.75 Kg
Mounting	19"
Unit height	1 HE
Construction	Steel
Colour	Black
SHIPPING & ORDERING	
Packaging	Carton box
Shipping weight and volume	4.75 Kg - 0.013 Cbm
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continually improve our products	

► Architects' and Engineers' Specifications

The pre-amplifier shall be built with 4 stereo line inputs, 3 of which are unbalanced while one is balanced. Two microphone channels shall be present with phantom power and talkover capabilities.

The front panel shall be equipped with an AC power switch accompanied with a blue power indicator LED and a volume button with LED VU-meter, two turn buttons to adjust high and low tones and six buttons to adjust the gain for each channel separately, each button with a LED above it that will indicate channel clipping.

All connections shall be made on the back panel of the unit. Channel 1 shall be a balanced stereo input performed using 2 female XLR connectors. The signal input connections for channel 2 to 4 shall be unbalanced and performed using RCA connectors. Two microphone inputs using 2 female XLR connectors shall be available, with talkover and phantom power capabilities. These microphone inputs shall each have 3-band tone control buttons, a gain control button and buttons to enable/disable talkover as well as phantom power.

The balanced stereo output shall be preformed using male XLR connectors with a button that enables to switch the output between mono and stereo.

The pre-amplifier shall operate on a 230~240 V AC / 50 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 309 mm and the weight shall not exceed 3,75 Kg.

► Block diagram

