

### Highlights:

---

- 2 Balanced stereo line outputs
- 2 unbalanced stereo line inputs
- 8 x Microphone input
- 2 x priority mute contact
- Front 3.5mm Jack (mixed with Ch 2)
- Integrated Bluetooth receiver

### Product information:

---

The PRE220 series preamplifiers are solutions for applications where a large number (up to 8) of microphones (or other mono balanced audio inputs) need to be mixed to two output zones. The multifunctional stereo design with a total of 10 inputs allows connection for any type of audio source such as microphones, Bluetooth devices or line level audio sources.

Inputs one up to eight are balanced, allowing the connection of microphones or line level audio sources with the ability of enabling 48V phantom power to each input. They feature 3-band tone control and talk-over for priority announcements. The other two (9 and 10) inputs are unbalanced stereo line inputs allowing connection of any type of line level audio source.

An integrated Bluetooth receiver and a front panel 3.5mm jack offers convenient wired or wireless connection possibilities for mobile and portable devices including laptops, smartphones and tablets. The front panel includes a master volume control with 2-band tone control and LED VU bar for each output.

Each input section is accommodated with input mixing dials and output selection switches. A priority mute for each zone output suppresses all (non-priority) music sources in case of contact closure, allowing linking autonomous alarm systems.

### Applications:

---

- Bars & Restaurants
- Corporate
- Education



## System specifications:

Inputs		Bluetooth receiver	
		Front 3.5mm Jack (mixed with Ch 2)	
		Priority mute contact	
	Microphone	Signal / Noise	> 80 dB
	Line	Signal / Noise	> 100 dB
	Balanced Microphone	THD+N (@ 1 kHz)	< 0.05 dB
	Line	THD+N (@ 1 kHz)	< 0.01 dB
Frequency	Response ( $\pm 3$ dB)		20 Hz - 20 kHz
Power	Supply		100 ~ 240 V AC / 50 ~ 60 Hz
Inputs	Balanced Microphone	Type	8 x Balanced Microphone
	Unbalanced Stereo	Type	2 x Stereo Unbalanced Line
Outputs	Balanced Stereo	Type	2 x Balanced Stereo outputs
Inputs	Microphone	Phantom Power	48 V DC

## Product Features:

Dimensions	482 x 88 x 335 mm (W x H x D)		
Unit height	2 HE		

## Architects' and Engineers' Specifications:

The preamplifier shall be a two-zone system with eight microphone (or other mono balanced audio sources) input channels. The multifunctional stereo design shall include a total of 10 inputs allowing connection for any type of audio source such as microphones, Bluetooth devices or line level audio sources.

Channels one to eight shall be balanced inputs allowing connection of microphones or line level audio sources with the ability of enabling 48V phantom power to each input, 3-band tone control and a talk-over switch must also be provided. The other two inputs (9 and 10) shall be unbalanced stereo line inputs allowing connection of any type of line level audio source.

Convenient wired and wireless connection possibilities shall be provided through an integrated Bluetooth receiver and a front panel 3.5mm jack offering easy connection for portable devices like laptops, smartphones and tablets. The front panel shall include a master volume control with 2-band tone control and LED VU bar for each output.

Each input section must be accommodated with input mixing dials and output selection switches. A priority mute for each zone suppresses all (non-priority) music sources in case of contact closure, allowing linking of autonomous alarm systems.

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 double rackspace steel constructed 19" housing. Depth from mounting surface to rear supports shall be 310 mm and the weight shall not exceed 4,45 Kg.

