

## PA 120 USB/R

Mixing amplifier with audio player/recorder

This 120 W power amplifier differentiates itself from the other models of the PA USB/R series with its two different outputs: Music/Speech and Priority only.

It includes a solid state audio player/recorder (USB/SD) compatible with standard formats (MP3, WMA). It is possible to record voice messages and then play them back. The device supports USB and SD storage devices with up to 32 GB memory.

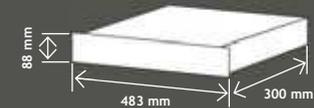
The PA 120 USB/R features 6 inputs: 4 double Mic inputs with 5 pin DIN connectors (2 combo, 2 XLR3), 1 Aux and 1 CD. It is possible to play background music in a specific area and send priority messages to the overall installation.

The mixer includes all the functions required for full control of the signal inputs: independent volume control, master control of level, bass and treble tone. It also has a pre-out to send mixed signal to an external amplified system or to connect external devices like equalizers and processors. A monitor output allows connecting up to 1W of load such as a control room monitor speaker.

PA 120 USB/R is suitable for low impedance speakers (8  $\Omega$ ) and 100 V Line installations. In addition, for maximum safety in the whole installation, it includes a Chime On/Off switch and a Telephone/Emergency connection for announcements. 24 V dc terminals are also available for emergency backup.



Rear panel



### Features

- Installed sound power amplifier and 6 input mixer.
- Solid state audio player/recorder (USB/SD) with standard formats (MP3, WMA).
- Supports storage devices with up to 32 GB.
- 2 double Mic inputs with Combo and 5 pin DIN connectors.
- 2 double Mic inputs with XLR3 and 5 pin DIN connectors.
- 1 Aux input.
- 1 CD input.
- Cascading multi-level priority on mic inputs.
- Mixer with independent control of volume.
- Master control and treble/bass tone.
- Pre-out function.
- Suitable with low impedance speakers (8  $\Omega$ ) and high voltage line (100 V).
- Monitor output (8  $\Omega$ , 1 W).
- Chime On/Off switch.
- Telephone/Emergency connection for paging and announcements.
- Terminals for emergency supply (24 V dc).
- 2 HU rack enclosure.

Technical data	PA 120 USB/R
Output Power (RMS):	120 W.
Output Power (Peak):	180 W.
Audio inputs:	4 MIC, 1 CD, 1 AUX level.
USB/SD interface:	MP3 / WMA formats.
MIC inputs (Impedance/Sensitivity):	250 $\Omega$ / 1 mV / -57.78 dBu.
LINE (Impedance/Sensitivity):	47k $\Omega$ / 100 mV / -17.78 dBu.
CD (Impedance/Sensitivity):	47k $\Omega$ / 500 mV / -3.80 dBu.
AUX (Impedance/Sensitivity):	47 k $\Omega$ / 200 mV / -11.76 dBu.
Power IN (Impedance/Sensitivity):	47 k $\Omega$ / 1 V / 2.21 dBu.
Music/Speech:	8 $\Omega$ / 100 V.
Speech only:	100 V.
Tape:	4k7 $\Omega$ / 350 mV.
Pre-out:	600 $\Omega$ / 1V.
Monitor:	8 $\Omega$ / 1W - 600 $\Omega$ / 1V.
Frequency Response:	50 Hz - 20 kHz +/- 3 dB.
EQ Control:	
Bass:	(+/- 10 dB) / 31 Hz - 180 Hz / Centre freq. 80 Hz.
Treble:	(+/- 10 dB) / 2k5 Hz - 20 kHz / Centre freq. 10 kHz.
S/N Ratio:	>80 dB (Line), >60 dB (MIC).
THD:	Less than 1% at 1kHz, rated power.
Chime:	2 tone chime ('Ding-dong' pre-announcement chime).
Priority:	Tel./Emer. - MIC1-MIC2-MIC3-MIC4-AUX/CD-USB/SD.
Main supply AC Power:	115 / 230 V - 50 / 60 Hz.
Main supply DC Power:	24 V - 12 A.
Consumption:	270 W.
Dimensions:	483 x 88 x 300 mm.
Weight:	10 kg.