

PA 120 USB/R

Amplifier / Mixer



PA 120 USB/R is a 120W power amplifier that features a 5 input mixer (3 of them with selectable input source) and 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 support USB and SD storage devices with up to 32 GB memory.

PA 120 USB/R incorporates two different outputs: Music/Speech and Priority Only. Therefore, it is possible to play background music in a specific area and send priority messages to the overall installation.

Regarding audio control, the mixer includes all the functions required for full control of the 5 signal inputs: Independent volume control, master control of level, bass and treble tone. The mixer 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.

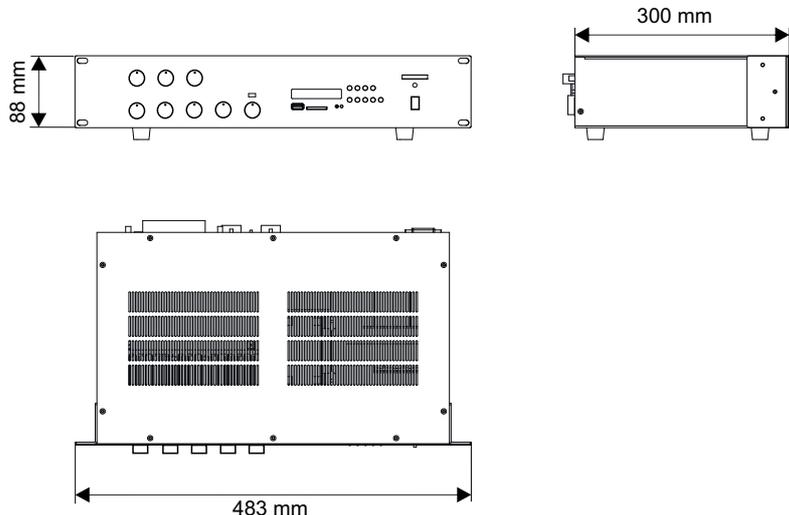
PA 120 USB/R is suitable for low impedance speakers (8Ω) and high impedance loads (25 / 70 / 100V). In addition for maximum safety in the whole installation, it includes a Chime on/off switch and a Telephone/Emergency connection for emergency announcement. DC 24V terminals are also available for emergency backup.

Features

- Installed sound power amplifier & 5 input mixer.
- Solid state audio player/recorder (USB/SD) with standard formats (MP3, WMA).
- Support storage device of up to 32 GB.
- 2 AUX inputs + 3 MIC inputs.
- MIC 1 with priority.
- MIC 3-4 inputs with phantom power.
- Chime On/off switch.
- Mixer with independent control of volume, master and tone control (Bass/Treble).
- 2 different outputs (Priority & Music-speech).
- Pre-out function.
- Suitable for low impedance (8Ω) and and high impedance (25/70/100V).
- Additional monitor output (1W).
- Telephone/Emergency connection for paging and emergency announcements.
- Terminals for emergency supply (DC 24V).

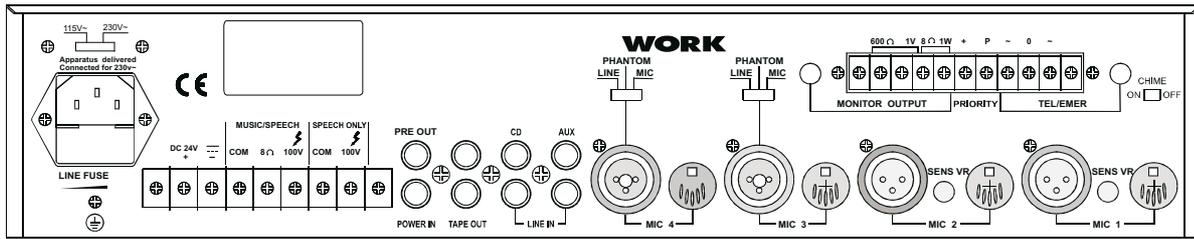
Dimensions

* In mm.



PA 120 USB/R

Rear View

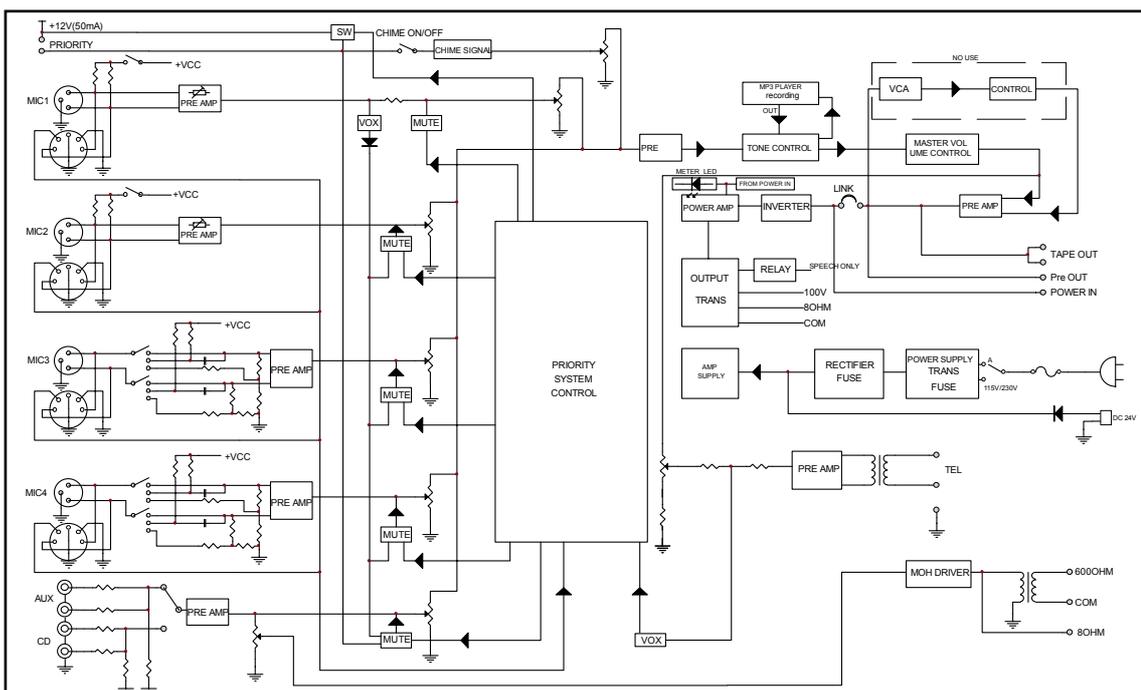


Specifications

Type:	Installed sound power amplifier and 5 input mixer	
Output Power:	Rated:	120W
	Max:	180W
Inputs (Impedance/Sensitivity)	MIC 1-4	250Ω /1 mV (-58 ±2dBV) balanc. with Phantom Power
	AUX	47kΩ /200 mV (-14 ±2dBV) unbalanced
	CD	47kΩ /500 mV (-6 ±2dBV) unbalanced
	LINE	47kΩ /160 mV (-16 ±2dBV) unbalanced without P.P.
	TEL	600Ω /100 mV (-20 ±2dBV) adjustable balanced
	Power In	47kΩ /1V (0 ±2dBV) unbalanced
Inputs (Connection type)	MIC 1-4	XLR 3 pin/Jack 1/4" + DIN 5p
	AUX	2x RCA
	CD	2x RCA
	LINE	XLR 3 pin
	TEL	Terminals
Outputs	Speaker	(8Ω) + (100 V) Music - Speech /Priority Only
	TAPE	4k7Ω /350 mV (-7 ±2dBV) (2x RCA)
	PRE	600Ω /1V (0 ±2dBV) (1x RCA)
THD + N	Less than 1% at 1 kHz, rated power	
Frequency Response:	MIC 1-4	60 Hz - 15 kHz
	LINE	35 Hz - 15 kHz
F. Response:	AUX	50 Hz - 16 kHz
	TEL	65 Hz - 15 kHz
S/N Ratio:	MIC 1-4	57 dB below rated power
	AUX	75 dB below rated power
	TEL	75 dB below rated power
	LINE	35 dB below rated power
Tone Controls	Bass	±10 dB/ 31 Hz - 180 Hz / Centre freq. 80 Hz
	Treble	±10 dB/ 2k5 Hz - 20 kHz / Centre freq. 10 kHz
Chime:	2 tone ("Dign-dong" pre-announcement chime)	
Priority:	Tel/Emer. - MIC 1	
Type:	Solid state player/recorder (USB/SD)	
Formats:	MP3 / WMA	
Storage:	Up to 32 GB	
Folders/Tracks:	Up to 99 + FRE (REC folder) / 999	
Repeat modes:	One track, all tracks, random mode	
Power Supply:	AC 115/230V, 50/60 Hz ±10%	
Consumption:	295W	
DC Voltage:	24V	
Phantom Voltage:	17 ±1V	
Dimensions:	483 x 88 x 300 mm (2 HU 19" rack)	
Weight:	10 kg	

* Specifications are subject to change without notice.

Block Diagram



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