

PA 100 & PA 100 MX



PA 100 is an installed sound amplifier that can operate with low impedance or 70/100V line loudspeakers. The operating mode is selected through a switch in the rear side and a dipswitches block which has some terminals reserved for future improvements. It incorporates a unbalanced LINE input with its own volume control and LEDs which mark the signal presence and clip mode.

In the rear side is allocated a RJ45 connector which admit RS485 command from an external device in order to control some features. PA 100 MX is the advanced version of PA 100. It incorporates 3 LINE inputs (2 rear + 1 front) with selector and its own volume control, two tone controls and LEDs which mark the signal presence and clip mode.

Additionally, the amplifier incorporates microphone input, providing a mixing function and adding several features which to set the system according to the installation requirements.

The function that can be set are:

- MIC priority.
- Mono/Stereo input mode
- 3 gain levels in MIC input
- 3 anti-feedback presets in MIC input

Like PA 100, this amplifier can operate with low impedance or 70/100V line loudspeakers.

The operating mode and functions are selected through a switch in the rear side and a dipswitches block. In the rear side is allocated a RJ45 connector which admit RS485 command from an external device in order to control some features.

Technical Data	PA 100	PA 100 MX
Output Power	2 x 50 W 8 Ω / 100 W (70/100V)	2 x 50 W 8 Ω / 100 W (70/100V)
Inputs Power	1 LINE, 1 RJ45 (RS485 commands)	3 LINE (2 rear + 1 front), 1 MIC, 1 RJ45 (RS485 commands).
THD+N	1kHz, 15W, 8Ω/16Ω <0.1% 1kHz, 30W, 70/100V <0.2%	1kHz, 15W, 8Ω/16Ω <0.1% 1kHz, 30W, 70/100V <0.2%
Frequency response	20 Hz - 20 kHz 0 dB - 0.5 dB.	20 Hz - 20 kHz 0 dB - 0.5 dB.
Power Consumption	AC 220 V - 240 V, 50 Hz / 60Hz	AC 220 V - 240 V, 50 Hz / 60Hz
Dimensions (WxHxD)	215 X 264 X 48 mm	215 X 264 X 48 mm
Weight	2.3 Kg	2.3 Kg



Features

PA 100

- ▶ Install Amplifier
- ▶ Remote control by RS485 commands
- ▶ LED signal and peak
- ▶ Appropriate for 8 Ω low impedance speakers and 70/100 V line installations

PA 100 MX

- ▶ Install Amplifier with mixer
- ▶ 3 LINE inputs, 2 RCS, 1 Minijack and microphone input
- ▶ Anti-feedback (4 levels)
- ▶ Microphone gain setting (3 presets)
- ▶ Microphone priority
- ▶ Stereo/Mono switch mode
- ▶ 2 tone controls
- ▶ LED signal and peak
- ▶ Remote control by RS 485 commands
- ▶ Appropriate for 8 Ω low impedance speakers and 70/100 V line installations

DIPSWITCH	FUNCTION
SW 1	NOT USED
SW 2	NOT USED
SW 3	FEEDBACK SUPPRESSION
SW 4	
SW 5	MICROPHONE GAIN SETTING
SW 6	
SW 7	NOT USED
SW 8	MIC PRIORITY STATE
SW 9	STEREO / MONO INPUT
SW 10	70V OR 100V WHEN HIGH IMPEDANCE IS SELECTED



MIC FEEDBACK SUPPRESSOR	OFF	1st	2nd	3rd

MIC feedback suppressor incorporates 3 presets and disable state.

The 1st preset corresponds to the most high antifeedback level

MIC GAIN SETTING	OFF	+ 6 dB	+ 10 dB	+ 15 dB

MIC gain setting incorporates 3 levels and disable state.

MIC INPUT PRIORITY	DISABLED	ENABLED

MIC Priority allows to enable the priority in the mic input and to mute the audio signal in the LINE input.

LOW IMPEDANCE MODE INPUT	MONO	STEREO

In stereo mode, the left channel signal is output from SPEAKERS A terminals and the right channel signal is output from SPEAKERS B terminals.

HIGH IMPEDANCE MODE	70V	100V

Once selected the high impedance mode with the switch (15), use this dip to select the output type (70V or 100V).

