

MD 82 AX



DIGITAL MIXER

MD 82 AX is a mixer for microphones which integrates a large serie of attractive features that allow to optimize the installation and to outfit with multiple audio signal control and management possibilities.

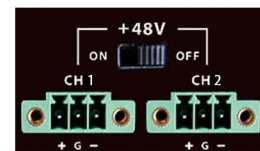
This mixer incorporates 8 balanced inputs, it incorporates individual input level control and master level. The encoder in the frontal side, allows navigate through a configuration menu with the different parameters on each channel. Among the functions to be performed, we can set three tone control, low-pass and high-pass filters (with frequency adjustment) and 4 anti-feedback levels. All this information is showed in the LCD display.

All inputs have switch to enable the connection of +48V phantom power supply microphones. The 2 features that represent an interesting development are, the Auto-mixer functionality and the RS485 interface for external commands.

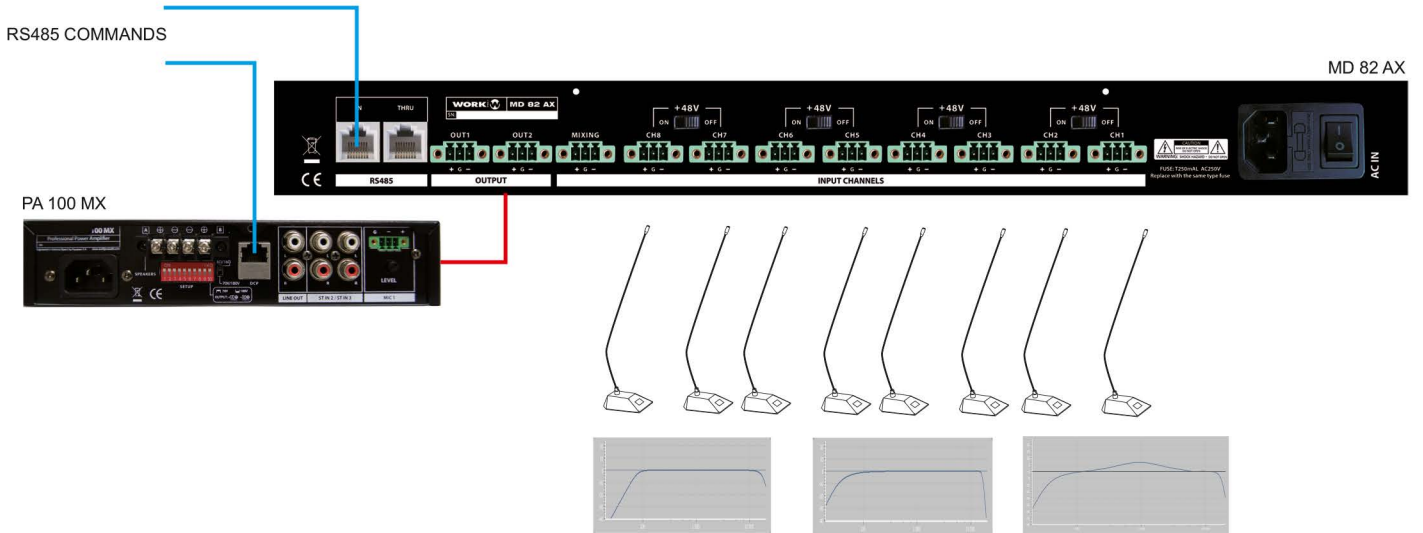
In the first case, this functionality allow to set a value (TARGET) marked as maximum level of the channel, and another parameter (GAIN), which marks the quantity of amplification that the channel needs to reach the TARGET value. This functionality allows several configurations according the installation requirements. One option will be to set the same TARGET threshold in all channel in order to all microphones have the same level, another option it will be possible to set several TARGET values on each channel in order to these channel will have preponderance over the rest.

This gain correction is made in real time, allowing an autonomous control in the installation without having worry about the controls once set the desired configuration.

The RS485 functionality allows to the mixer to receive commands from an external devices which set parameters like minimum value on each channel or master, tone controls, to activate the gain or the TARGET threshold.



- ▶ **Fault Indication** - High-bright 16x2 character display for easy reading in high ambient light.
- ▶ **Encoder** - A rotatory main encoder allows navigate and control every parameter of every channel.
- ▶ **RJ45 Ports** - Provides an link between Windows/OS and an external device with RS 485 commands.
- ▶ **Knobs user interface**- 8 rotatory knobs in the front panel to fast and easy control of every individual channel. Line and peak
- ▶ **Automixer**- Automixer function, that controls automatically the level of the channels referred to a select one.
- ▶ **Phantom Supply**- Switch supply every two channels to activate phantom supply for microphones.



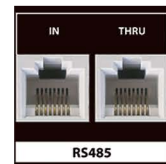
HIGH-PASS/LOW-PASS FILTERS & GAIN LEVEL ON EACH CHANNEL CAN BE CONFIGURED USING THE FRONTAL ENCODER OR RS485 COMMANDS FOR EXTERNAL DEVICE



Technical Features:

Gain - Knob	- 12 to +35.25 dB
Master:	-57 dB / +6 dB
Bass:	-15 dB / +15 dB
Middle:	-15 dB / + 15dB
Treble:	-15 dB / + 15 dB
HPF :	20 Hz / 150 Hz
LPF:	6000 Hz / 16 kHz
F.B:	OFF, 1, 2, 3, 4
Gain:	OFF 1- 15
TARGET:	-18 dB/ -3 dB

The RS485 functionality allows to the mixer to receive commands from an external devices which set parameters like minimum value on each channel or master, tone controls, to activate the gain or the TARGET threshold.



Technical Data:

Type	8 microphone channels mixer
Input Sensitivity	5 mV (1 kHz output 1V)
Maximum input level	105 mV (1 kHz THD -1%)
Maximum output level	> 4 V (Balanced)
Frequency response	20 Hz - 20 kHz
Phantom power supply	+48 V selectable
Functionalities	Input gain, low pass filter, high pass filter, antifeedback (per channel), master level, encoder, LCD display
Automixer Function	TARGET and GAIN parameters configurables
Main Supply	AC 230 V - 50/60 Hz
Dimensions (WxHxD)	483 x 44 x 150 mm
Weight	1.9 Kg