

HMA180 is a self-powered installation Public Address mixer. It features a total of 9 audio inputs and a high / low impedance amplified output, together with an extensive set of control connections and features to be the perfect single-box solution in most projects involving background music, microphone signals, paging, pre-recorded messages and evacuation alarms.

Key features

- 4 MIC balanced inputs, with bus phantom power (selectable)
- 4 LINE inputs
- Independent 3 band EQ for the MIC inputs mix bus
- Independent 3 band EQ for the LINE inputs bus
- Pager & chime function, MIC1 input (voice level or contact closure activation)
- Additional EMERGENCY MIC/LINE input with independent features:
 - Selectable phantom power
 - 3 band EQ
 - Activation mode: VOICE / CONTACT
 - Independent output volume level (ignores the MASTER volume adjusted for the rest of the audio signals mix, assuring a pre-defined level for the emergency messages all over the installation)
 - Linkable to the included 24 VDC control output (to activate the priority relays in volume control wall panels)
- Remote Volume control port (0 – 10 VDC)
- Remote MUTE control port (to allow an external device MUTE the P.A. system completely)
- 24 VDC control output, linkable to the PAGER and/or EMERGENCY functions (to activate the priority relays in remote volume controls)
- Subsonic filter (@ 70 Hz)
- Insertion point in TRS format
- 8Ω , 70 V, 100 V powered output
- LINE level AUX output (allows for an external amplifier connection, like the HSA300 or HZA-F amps, in case that higher power is required)
- Class D 180 W amplifier, convection cooled (100% silent)
- Internal & universal Power Supply



Accessories

- **WPM** series wall panel controls
- **WPTOUCH** touch-sensitive digital wall panel control
- **MPAGE1** desktop paging station

Recommended loudspeaker selection

- **IC** in-ceiling series
- **ICPLUS** in-ceiling series
- **ECL** in-ceiling series
- **AUDEO** series
- **AMBIT** series

Applications

- BGM, Public Address & Paging solutions, with up to 9 audio inputs, message priorities and volume / EQ independent management

Technical Characteristics

HMA 180

Power output (8Ω, 70V & 100V steps)	125 WRMS @ 8Ω @ 1% THD 145WRMS @ 8Ω @ 10% THD
Frequency response AUX OUT(-3dB)	8 Hz - 30 kHz
AMP OUT (-3dB)	30 Hz - 17 kHz
High pass filter 3rd order Butterworth	70Hz
THD + Noise @ 1 kHz Full power	<0.2%
Signal Noise Ratio @ 100V	>85dB
Inputs Sensitivity nom/ Impedance	PAGER/MIC 1,2,3,4 -50 [-20] dBV/ >2kΩ
	LINE 1,2,3,4,5 0 [-15] dBV/ >10kΩ
	INSERT 0dBV/ >10kΩ
Outputs Level/Minimum load	AUX OUT 0dBV/ >5kΩ
	INSERT 0dBV/ >2kΩ
CMRR Balanced Inputs	> 65dB@1kHz typ.
Tone control (all)	BASS 100Hz ±15dB
	MID 1.8kHz ±15dB
	TREBLE 10kHz ±15dB

HMA 180

Indicators	Power -40dB at the output Clip
Remote Control Inputs	Page/Emergency/Mute N.O. / N.C.
Relay Control	+24V./100mA. Max.
Talkover	TIME 1 / 2 / 3 s
	EFFECT -20 / -30 / -80 dB
Phantom voltage	+15VDC /4mA. Max.
Chime	DIP selector for mode 1, 2 or 3 or none
Mains voltage	90 – 264VAC; 47 – 440Hz
Power consumption:	Pink noise, 1/8 power 69 VA / 34W
	Pink noise, 1/3 power 120 VA / 67W
	Full Power 260 VA / 160W
Dimensions:	Panel 482.6x88mm
	Depth (Handle excl.) 285mm
Weight	7kg