

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

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

#### HMA 180

<b>Indicators</b>	Power	-40dB at the output
	Clip	Clip
<b>Remote Control Inputs</b>	Page/Emergency/Mute	0-10V Analog Control N.O./ N.C.
<b>Relay Control</b>		+24V /100mA. Max.
<b>Talkover</b>	TIME	1 / 2 / 3 s
	EFFECT	-20 /-30 / -80 dB
<b>Phantom voltage</b>		+15VDC /4mA. Max.
<b>Chime</b>		DIP selector for mode 1, 2 or 3 or none
<b>Mains voltage</b>		90 – 264VAC; 47 – 440Hz
<b>Power consumption:</b>	Pink noise, 1/8 power	69 VA / 34W
	Pink noise, 1/3 power	120 VA / 67W
	Full Power	260 VA / 160W
<b>Dimensions:</b>	Panel	482.6x88mm
	Depth (Handle excl.)	285mm
<b>Weight</b>		7kg