

HMA180

MIXING AMPLIFIERS

Self-Powered Media Mixer



PRODUCT OVERVIEW

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 and 4 LINE inputs
- Independent 3 band EQ for the MIC mix and LINE mix busses
- 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 (from the MASTER volume)
- Class D 180 W amplifier, convection cooled (100% silent)
- Remote Volume control port (0 – 10 VDC)
- Remote MUTE control port
- 24 VDC control output, triggered by the PAGER and/or EMERGENCY functions (to activate priority relays)
- Subsonic filter (@ 70 Hz)
- Insertion point in TRS format
- 8 Ω , 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)

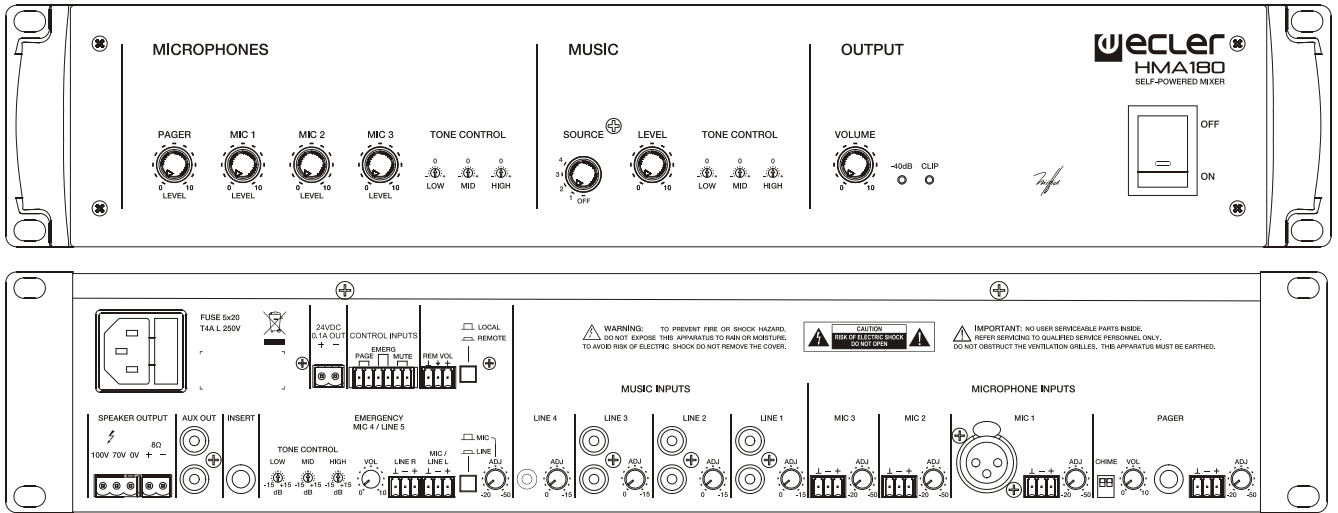
APPLICATIONS

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

CERTIFICATIONS

- EN60065:2014
- EN55103-1:2009
- EN55103-2:2009
- 2006/95/EC
- 2004/108/CE

MECHANICAL DIAGRAMS



TECHNICAL DATA

Power output (8Ω, 70V & 100V steps)	
	125 WRMS @ 8Ω @ 1% THD
	145 WRMS @ 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/>2kW
LINE 1,2,3,4,5	0 (-15) dBV/>10kW
INSERT	0dBV/>10kW
Outputs Level/Minimum load	
AUX OUT	0dBV/>5kW
INSERT	0dBV/>2kW
CMRR Balanced Inputs	
	>65dB@1kHz typ
Tone control (all)	
BASS	100Hz ±15dB
MID	1.8kHz ±15dB
TREBLE	10kHz ±15dB
Indicators	
	Power
	-40dB at the output
	Clip
Remote	
	0-10V Analog Control
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 (OFF=↑↑)

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	482.6 x 88mm
Depth (Handle excluded)	285mm
Weight	7kg

*Internally selectable