

## HORECA140BK

### AUDIO SETS

#### *Plug & Play Audio Set*



### PRODUCT OVERVIEW

HORECA140 is a plug&play audio pack including everything that one needs to quickly and easily install a professional audio system, even having very few technical or audio skills.

This kit includes:

- 1 HMA120: an "all in one" audio device
- 4 AUDE0106 loudspeaker cabinet units (black colour, wall mount supports and accessories included)
- All the required connectors
- Loudspeaker wire reel (50 meters) and screwdriver
- Quick installation guide, with a step-by-step detailed procedure

### KEY FEATURES

- 1 x HMA120 audio player + mixer + amplifier:
  - 120W RMS amplifier (140W music power)
  - Built-in mp3 player from SD or USB slots
  - Audio mixer with 2 microphone inputs and 3 LINE inputs (ready for external sound sources)
  - Bass / Treble tone controls
  - Auto stand-by function (low energy consumption when idle)
- 4 x AUDE0106 loudspeaker cabinets: 2 way 50 WRMS loudspeakers, including all the necessary accessories for wall-mount installation

### APPLICATIONS

- Retail shops
- Hotels, clubs, restaurants & bars
- Leisure, sport and health centres
- Multimedia presentations
- Museums and exhibitions
- Classrooms
- Meeting rooms
- Video-walls, screens, interactive
- AV marketing and digital signage

## HMA120

### MIXING AMPLIFIERS

#### *Self-Powered Media Mixer*



### PRODUCT OVERVIEW

Self-powered mixer including an integrated media player and 5 external audio inputs: 3 x LINE ST, 1 MIC/LINE and 1 MIC. It features a 120W powered output that supports both low (4  $\Omega$ ) and high impedance (70V, 100V) loudspeaker lines. It also includes a 2 level priority system (paging, emergencies, etc.), auto stand-by mode, AUX OUT and an additional remote control port to manage the source selection and output volume by means of WPM series wall panels. HMA120 is the perfect integral solution for user-friendly and budget audio projects.

### KEY FEATURES

- 2 balanced microphone input mixable with the selected music program (MIC1 and MIC2/LINE ST inputs)
- 3 line inputs for music sources
- Integrated audio player (supporting mp3 format) with USB and SD CARD slots for media storage devices
- Music program selector on the front panel: LINE1, LINE2, LINE3, MEDIA (integrated player)
- Noise gate and two-level priority system (Talkover 1 and Talkover 2) for MIC1 and MIC2/LINE inputs
- Independent level controls on the front panel for MIC1, MIC2/LINE and MUSIC signals
- 2-band EQ (BASS/TREBLE) for MIC1 and MIC2/LINE and 2-band EQ for program MUSIC signal
- REMOTE port for connecting WPM series wall panels, 0 - 10VDC (source selection and volume)
- MUTE port to remotely mute the unit from an external device, via dry contact closure
- Auxiliary Output
- Auto Stand-by function

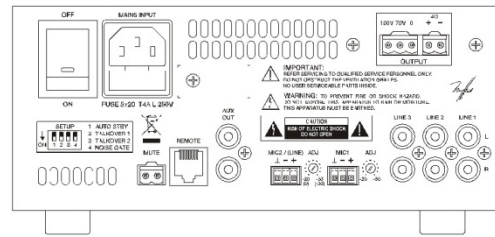
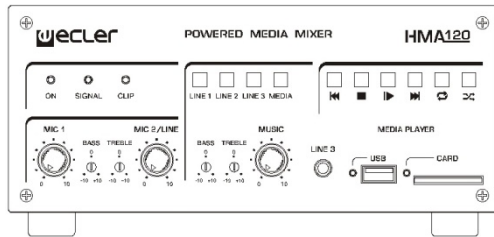
### APPLICATIONS

- Retail stores, restaurants and bars
- BGM & Paging solutions, with message priorities and source/volume independent selection

### CERTIFICATIONS

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

## MECHANICAL DIAGRAMS



## TECHNICAL DATA

Power output (4Ω, 8Ω, 70V & 100V steps)	
@ 1% THD	110 WRMS @ 4Ω
	84 WRMS @ 8Ω
	110 WRMS @ 70V @ 41Ω
	110 WRMS @ 100V @ 85Ω
PEAK	140 WRMS @ 4Ω
	105 WRMS @ 8Ω
	140 WRMS @ 70V @ 41Ω
	140 WRMS @ 100V @ 85Ω
Frequency response	70Hz - 17kHz (-3dB/4Ω)
High pass filter 3 <sup>rd</sup> order Butterworth	70Hz
THD + Noise @ 1 kHz Full power	<0.2%
Channel crosstalk @ 1kHz	>70dB (Inputs shorted)
AUX Output (L+R)	
Output Level / Minimum Load	-6dBV / 10kΩ
Frequency response	15Hz - 40kHz (-1dB)
LINE Inputs	
Sensitivity / Nominal impedance	
LINE 1-2	0dBV/>70kΩ
LINE 3	-6dBV/>70kΩ
Signal Noise Ratio	>87dB
MIC Inputs	
Sensitivity / Nominal impedance	
MIC 1-2 (BAL)	-20 to -50dBV / >4.5KΩ
LINE* (BAL)	4.5kΩ
CMRR @ MIC 1-2 (BAL)	>70dB @ 1kHz
Signal Noise Ratio	>60dB
Phantom voltage/current	+15VDC / 8mA max.*
Talkover (MIC1 & MIC2)	
ATTACK TIME	50 ms
RELEASE TIME	2 s
DEPTH	30dB
THRESHOLD	-30dB below max
Noise Gate (MIC1 & MIC2)	
ATTACK TIME	15 ms
HOLD TIME	2 s
RELEASE TIME	60 s
DEPTH	30dB
THRESHOLD	-30dB below max
Tone control (LINE & MIC)	
BASS	100Hz ±10dB
TREBLE	6kHz ±10dB
Remote	
Type	WPmVOL-SR
Volume (Analog control)	0-10V (0V max volume)
Input Selection (Analog control)	OFF-1-2-3-4
Mute	
Configuration	Normally open
Indicators	
Signal Present (Trigger level)	-35 dB
Clip	
Power On	
Auto Standby (Trigger time)	after 2 minutes without input signal

<b>Supply</b>		
	<b>Mains voltage</b>	See characteristics in the back of the unit
<b>Power consumption</b>		
	pink noise, 1/8 power @ 4ohm	43 VA / 29W
	pink noise, 1/3 power @ 4ohm	90 VA / 65W
	Maximum power @ 4ohm	213 VA / 168W
	Standby	5W
<b>Dimensions</b>		
	Panel WxDxH	210x230x88mm
	Weight (Net)	5950g
	Weight (Gross)	7160g
<b>Media Player</b>		
	Inputs Sensitivity	-5dBV
	Audio DAC	16 bit
	S/N Ratio	96 dB
	Dynamic range	90 dB
	THD	0.02%
<b>USB and SD card interfaces</b>		
	USB host interface	USB 2.0 Full Speed (12Mbps)
		Supports mass storage class devices
	SD Card interface	Supports FAT16, FAT32 and VFAT
		Multi-partition up to 1
		65354 playable folders
		65354 playable folders within each folder
		65354 playable files within each folder
	Folder hierarchy	up to 8 containing the root directory
	Playable extensions	.mp3, .mp2, .mp1
	Sorting in alphabetical order (UNICODE)	up to 100 folders
		up to 100 files by folder
		(folders/files over 100 sorted in the FAT order)
<b>MP3 decoder</b>		
	Supported MPEG	1, 2 and 2.5
	Supported layerd	1, 2 and 3
	Sample rates	8k, 16k and 32k
		11.025k, 220.05k and 44.1k
		12k, 24k and 48k
	Bit rate	8 to 320 kpps and Variable bit rate (VBR)

\*Internally selectable

## AUDEO106

### CABINET LOUDSPEAKERS

#### *Surface Mount Loudspeaker*




### PRODUCT OVERVIEW

AUDEO106 is a 2-way, 50 WRMS loudspeaker cabinet. It features a 6.5" woofer and 1" tweeter.

AUDEO series has a balanced, innovative design, resulting from the collaboration between Ecler and the prestigious group Giugiaro Design. It satisfies today's demands with respect to aesthetics, design and integration into all types of architectural environments which, together with its excellent sound quality, make this series the ideal solution for use in numerous sound projects.

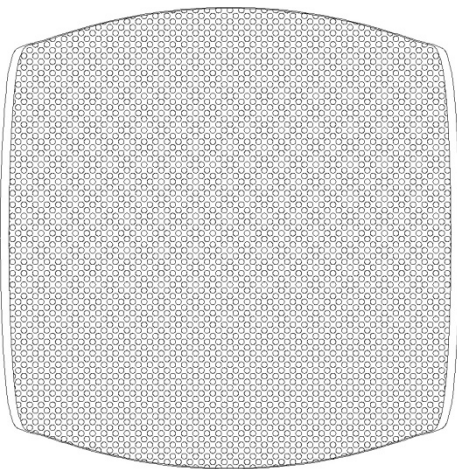
### KEY FEATURES

- Full range, 2-way loudspeaker, 50 WRMS
- 6,5" woofer / 1" tweeter
- Made of reinforced ABS
- Available in black or white
- 8 ohms and 70/100 V line operating switch
- Accessories for wall-mounting included
- IP54 class outdoor rating
- Protective front grill with anti-rust treatment
- EASE Win file available 

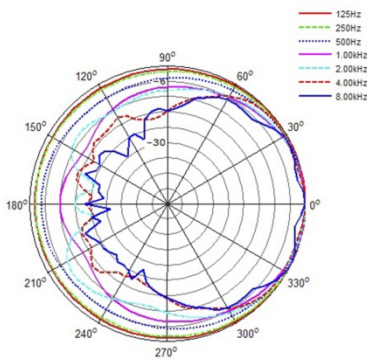
### APPLICATIONS

- Corporate and residential buildings
- Commercial premises
- Leisure centres
- Sound reinforcement in clubs, bars, etc.
- Health and sports centres
- Meeting and conference rooms
- Auditoriums, museums

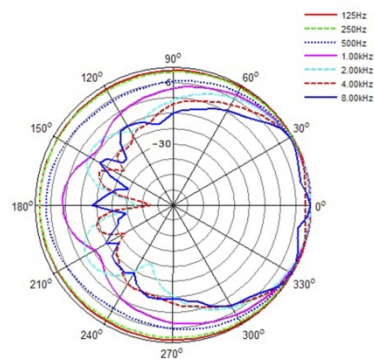
MECHANICAL DIAGRAMS



POLAR DIAGRAMS



HORIZONTAL



VERTICAL

TECHNICAL DATA

	<b>Ways</b>	2
	<b>Nominal low impedance</b>	8Ω
	<b>Max RMS power</b>	50 W
	<b>Program power</b>	100 W
	<b>Nominal high impedance</b>	100 V LINE
	<b>Power selector</b>	5 / 7.5 / 15 / 30 W
	<b>Efficiency SPL 1W 1m</b>	92.5 dB
	<b>Frequency response at -10dB @ 8Ω</b>	90 Hz ÷ 20 kHz
	<b>Dimensions WxHxD (without accessories)</b>	242x242x163mm
	<b>Weight</b>	2.3 kg