

### POWERED MEDIA MIXER



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 Ω) 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.

#### Main Characteristics

- 1 balanced microphone input mixable with the selected music program (MIC1)
- 1 balanced microphone/line input mixable with the selected music program (MIC2/LINE)
- 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 and MIC2/LINE signals
- Independent level control on the front panel for the music program (MUSIC)
- 2-band EQ (BASS/TREBLE) for MIC1 and MIC2/LINE signals
- 2-band EQ (BASS/TREBLE) for the music program signal
- REMOTE port for connecting Wpm series wall panels, 0 - 10VDC (source selection and volume control)
- MUTE port to remotely mute the unit from an external device, via dry contact closure
- Auxiliary Output
- Auto Stand-by function (auto-switching to low consumption mode in the absence of input signals)
- Amplified mono output @ low impedance, 120 WRMS (4Ω), and high impedance (70V/100V)

#### Applications

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

#### Technical Characteristics

#### HMA120

|                       |                                 | HMA120                |                         |
|-----------------------|---------------------------------|-----------------------|-------------------------|
| 4Ω, 100V & 70V Output | Power                           |                       | @1%THD (cold) PEAK      |
|                       |                                 | 4Ω                    | 110W 140W               |
|                       |                                 | 8Ω                    | 84W 105W                |
|                       |                                 | 70V @ 4Ω              | 110W 140W               |
|                       |                                 | 100V @ 85Ω            | 110W 140W               |
|                       |                                 | Frequency response    | 70Hz - 17kHz [-3dB/4Ω]  |
|                       | High Pass Filter                | 3rd order Butterworth | 70 Hz                   |
|                       | THD+Noise                       | @ 1kHz 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          |
| MIC Inputs            | Signal Noise Ratio              |                       | ->87dB                  |
|                       | Sensitivity / Nominal impedance | MIC 1-2 (BAL)         | -20 to -50dBV / ->4.5KΩ |
|                       |                                 | LINE* (BAL)           | -0 to -30dBV / ->4.5kΩ  |
|                       | CMRR                            | MIC 1-2 (BAL)         | ->70dB @ 1kHz           |
|                       | Signal Noise Ratio              |                       | ->60dB                  |
|                       | Phantom voltage/current         |                       | +15VDC / 8mA max.*      |

#### HMA120

|                           |                              |                |  |
|---------------------------|------------------------------|----------------|--|
| Tone control (LINE & MIC) | BASS                         |                | 100Hz ±10dB                                  |
|                           | TREBLE                       |                | 6KHz ±10dB                                   |
| Remote                    | Type                         |                | WpmVOL-SR                                    |
|                           | Volume                       | Analog control | 0-10V (0V max volume)                        |
| Mute                      | Input Selection              | Analog control | OFF-1-2-3-4                                  |
|                           | Configuration                |                | Normally open                                |
| Indicators                | Signal Present               | Trigger level  | -35 dB                                       |
|                           | Clip                         |                |  |
|                           | Power On                     |                |  |
| Supply                    | Auto Standby                 | Trigger time   | after 2 minutes without input signal         |
|                           | Mains voltage                |                | See characteristics in the back of the unit. |
| Power consumption         | Pink noise, 1/8 power @ 4ohm |                | 43VA/29W                                     |
|                           | Pink noise, 1/3 power @ 4ohm |                | 90VA/65W                                     |
|                           | Maximum power @ 4ohm         |                | 213VA/168W                                   |
|                           | Stand By                     |                | 5W   |
|                           | Dimensions WxDxH             |                | 210x230x88mm                                 |
|                           | Weight                       | Net            | 5950g  |
|                           | Gross                        | 7160g          |  |

#### Accessories

- 2UHRMKit rack installation accessory (kit including 2 brackets)
- MPAGE1 paging station
- Wpm series wall panel controls

#### Recommended loudspeaker selection

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