eSAM603

ANALOGUE PREAMPLIFIERS & MIXERS
Installation Analogue Mixer

PRODUCT OVERVIEW
ECLER ESSENTIALS eSAM603 is an installation audio mixer in standard rack format, featuring 1 MIC input, 4 MIC/LINE ST inputs, 1 LINE ST input, 1 ST output (A/B) and 1 MONO output (C). A/B output can operate in ST/MONO mode. Each input can be routed to output A, B and/or C. It includes a 3 band tone control section, Talkover (priority) function assignable to each input over the mix bus, ST/MONO mix switch for A/B output and MUTE port for external dry contact triggering.

KEY FEATURES
- 6 input channels, 2/3 outputs 19” installation mixer
- 1 MIC input
- 4 MIC/LINE ST inputs
- 1 LINE ST input
- 1 ST/2 MONO main mix output and one MONO output
- 2 x 3-band tone control section (A/B and C)
- Talkover (priority) function assignable from each input over the mix
- Micro sensitivity level can be adjusted on the back panel
- 18V Phantom Power available for all MIC inputs
- Universal external power supply (multi-plug)

APPLICATIONS
- Gyms
- Licensed venues
- Restaurants
- Leisure venues
- Retail shops
- Boardrooms and conference centres
- Entertainment music playback
- Education centres
- A/V presentations
# TECHNICAL SPECIFICATIONS

**eSAM603**

**Inputs Sensitivity / Impedance**

<table>
<thead>
<tr>
<th>Input</th>
<th>Sensitivity</th>
<th>Impedance</th>
</tr>
</thead>
<tbody>
<tr>
<td>IN 1-5 (LINE)</td>
<td>0dBV / 50kΩ</td>
<td></td>
</tr>
<tr>
<td>IN 6 (LINE)</td>
<td>0(-6)dBV* / 50kΩ</td>
<td></td>
</tr>
<tr>
<td>IN 1-5 (MIC/BAL)</td>
<td>-35dBV/&gt;1kΩ</td>
<td></td>
</tr>
</tbody>
</table>

**Input sensitivity adjust**

<table>
<thead>
<tr>
<th>Input</th>
<th>Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>IN 1-5 (MIC/BAL)</td>
<td>±15dB</td>
</tr>
</tbody>
</table>

**Outputs Level / Minimum load**

<table>
<thead>
<tr>
<th>Output</th>
<th>Level</th>
<th>Minimum load</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUT AUX/REC</td>
<td>0(+6)dBV */ 600Ω</td>
<td>0dBV/10kΩ</td>
</tr>
</tbody>
</table>

**Frequency response**

- **LINE**:
  - 10Hz-50kHz - 1dB
  - 10Hz-30kHz - 1dB

- **MIC BAL**:
  - 10Hz-30kHz - 1dB

**Harmonic distortion**

- **LINE**:
  - <0.005%dB

- **MIC BAL**:
  - <0.04%dB

**CMRR**

- **MIC**:
  - >60dB@1kHz

**Signal / Noise ratio (gain+15dB)**

- **LINE**:
  - >100dB

- **MIC BAL**:
  - >85dB

**Tone control**

- **BASS**:
  - 100Hz ±15dB

- **MID**:
  - 2kHz ±15dB

- **TREBLE**:
  - 10kHz ±15dB

**Talkover**

- **TIME**:
  - 2 sec.

- **EFFECT**:
  - -30dB

**Phantom voltage**

- +18VDC

**DC supply**

- ±17.5 VDC

**Mains**

- 100-240VAC + External PSU 17.5VDC

**Power consumption**

- 18VA

**Dimensions**

- **Panel**:
  - 482.6x44mm

- **Depth**:
  - 120mm

- **Weight**:
  - 2.1kg

*internally selectable
All product characteristics are subject to variation due to production tolerances. NEEC AUDIO BARCELONA S.L. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

For technical requests address to your supplier, distributor or fill the contact form in our website, at Support / Technical Request.

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