

SAMI-603

ANALOGUE PREAMPLIFIERS & MIXERS

Installation Mixers



PRODUCT OVERVIEW

SAMI-603 is an installation audio mixer in standard rack format, featuring 1 MIC input + 4 MIC/LINE Stereo inputs + 1 LINE Stereo input and 3 outputs that can be configured as 1 stereo couple + 1 mono or 3 independent mono. Each output can get a dedicated mix from the available inputs and has a 3-band tone control. Talkover (priority) function is assignable to each input from IN1 to IN5 over the mix output buses. ST/MONO mix switch for the A/B outputs and MUTE port for external dry contact triggering.

KEY FEATURES

- 6 input channels, 3 outputs 19" installation mixer.
- 4 MIC/LINE stereo inputs.
- 1 LINE stereo input.
- 1 MIC input.
- 1 stereo output or 2 x mono output (A and B outputs).
- 1 mono output (C output).
- Independent inputs routing for zones A, B, C.
- 1 AUX/REC output.
- Independent 3-band EQ control for outputs A/B and output C.
- MUTE remote control input enabled by external dry contact closure for connecting fire detection systems and other safety devices.
- Switchable talkover function, from IN1 to IN5 over A, B, C outputs.
- Universal external power supply (multi-plug)

APPLICATIONS

- Retail
- Hospitality
- Education
- Corporate
- Sport & Wellness

TECHNICAL SPECIFICATIONS

SAMI-603

ANALOGUE AUDIO INPUT PORTS

Number of input ports	4, MIC/LINE 1, MIC 1, LINE STEREO
Connection type	MIC: 3-pin Euroblock LINE: RCA
Input sensitivity	LINE 2-5: 0dB LINE 6: 0dB/-6dB (internally selectable) MIC 1-5 BAL: -35dB
Input sensitivity adjust	MIC/LINE: ± 15 dB
Input impedance	LINE 2-5: 50k Ω LINE 6: 50k Ω MIC 1-5 BAL: >1k Ω
CMRR	MIC: >60dB @ 1 kHz
Phantom voltage	+18VDC

ANALOGUE AUDIO OUTPUT PORTS

Number of output ports	1 main mix output 1 main mono output 1 AUX/REC output
Connection type	Main: 3-pin Euroblock AUX/REC: RCA
Output type	1 STEREO/2 MONO main mix output 1 MONO main mix output 1 STEREO AUX/REC
Nominal output level	OUT: 0dB/+6dB (internally selectable) AUX/REC: 0dB/+6dB (follows MAIN OUT, when AUX OUT=POST)
Output impedance	OUT: 600 Ω AUX/REC: 10k Ω

SIGNAL

Frequency response	LINE: 10Hz-50kHz -1dB MIC BAL: 10Hz-30kHz -1dB
THD + Noise	LINE: <0.005% MIC BAL: <0.04%
Signal noise ratio	LINE: >100dB MIC BAL: >85dB

DEVICE CONTROL

Tone Control	2 x 3-way tone control (For section A/B and C)
Tone Frequency Cut	BASS: 100Hz ± 15 dB MID: 2kHz ± 15 dB TREBLE: 10kHz ± 15 dB
Talkover	TIME: 2 seconds EFFECT: -30dB
Control Buttons	Power ON, Talkover, LINE/MIC, L+R (input), Gain knob, Volume knob, Output destination switches, STEREO (level a)/Single (level a/b), MONO/STEREO
Status Indicators	Power ON LED, MUTE LED, SP/CLIP LEVEL LED

REMOTE CONTROL CONNECTIONS

GPIs MUTE control port NO/NC

ELECTRICAL

Power supply	±17.5VDC External PSU
AC mains requirement	100-240 V @ 50-60Hz (External PSU: 17.5VDC)
AC mains connector	IEC inlet connector
Power consumption	13.9VA / 6.3W
Cooling	Passive

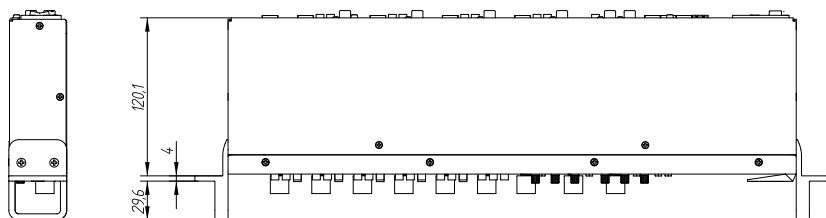
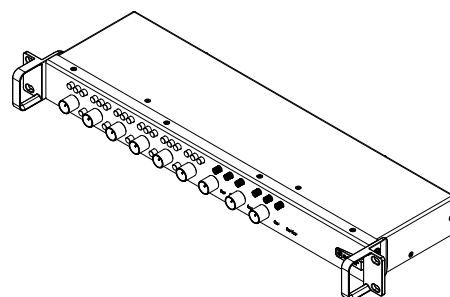
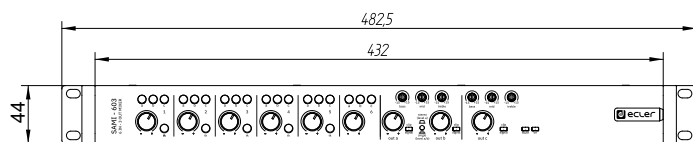
PHYSICAL

Operating temperature	Min: -10°C ; 14°F Max: 40°C ; 104°F
Operating humidity	<85% HR
Storage temperature	Min: -10°C ; 14°F Max: 40°C ; 104°F
Storage humidity	<90% HR
Installation options	19" rack format (1RU)
Included accessories	±17.5VDC multi-plug PSU, EuroBlocks, Rubber Foot, Mini Jumpers
Dimensions (WxHxD)	482.5 x 44 x 153.7 mm / 19 x 1.73 x 6.05 in
Weight	2 kg / 4.41 lb
Shipping dimensions (WxHxD)	560 x 60 x 295 mm / 22.05 x 2.36 x 11.61 in
Shipping weight	2.7 kg / 5.95 lb

MECHANICAL DIAGRAM



Ecler SAMI-603 Mechanical Diagram



All the measurements are in mm.

6I-1137-0100

www.ecler.com



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 queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).

Motors, 166-168 - 08038 Barcelona - Spain | Tel. (+34) 932238403 | information@ecler.com | www.ecler.com