

INSTALLER'S GUIDE

Professional Installation Product Range

2008-2009

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When ECLER was first set up in 1965, its chief and practically its only asset was its enthusiasm. Today, now that our company is about to celebrate its 50th birthday, we have one of the widest offers in professional audio and have succeeded in making our firm known all over the world.

Since ECLER started its business activities, it has always been committed to Innovation and Research. This, together with our obsessive eye for detail, have made us worthy of the loyalty shown by our customers, thanks to whom we have been able to consolidate our business project and become the leading actors in a creative technological future.

We are proud to present our first Installer's Guide, for the purpose of grouping together all the necessary information for offering comprehensive solutions in audio projects. Through this, we aim to continue to be worthy of our clients' trust and make their work much easier. You will see that its pages still contain our most valuable asset: our enthusiasm.

Enrique Casimiro Gibert
Director General of ECLER

VALUES

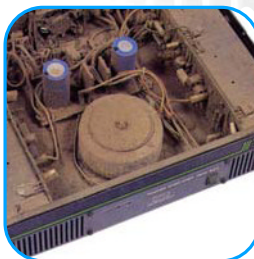


Quality

The ISO9001 standard guarantees organised internal functionalities. The QUALITY procedure protocols are also applied to commercial relations between suppliers and clients. All our production processes have been designed to guarantee quality and the full satisfaction of our clients. ECLER does not believe in sampling criteria in quality control, which would lead to a production that is not entirely TRUSTWORTHY.

Reliability

All the ECLER products are designed to last, maintain their services and remain free from failures for many years, even in extreme conditions of use, thereby guaranteeing low MTBF (Medium Time Between Fails) ratios.



Innovation

ECLER firmly believes that INNOVATION is essential in providing the market with audio solutions that require a pioneer approach. Several technological achievements, such as SPM technology, class D amplification and many other technologies applied to DJ products are the result of one of the main objectives of ECLER: INNOVATION.

The Team

People are one of our chief assets: a wide distribution network, relational marketing, specialists in product follow-up, our own projects department, technical assistance service, training and cooperation... all with a view to better understanding what is required of our company and our SERVICE



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SAM series

Installation mixers/ preamplifiers

SAM 312
SAM 512T
SAM 614



SAM 312 3 input channels, 2 main outputs 19" installation mixer

- 3 MIC/stereo LINE input channel mixer
- Input signal pushbutton selector (MIC/LINE) on back panel
- Independent internal assignable phantom power for all MIC inputs
- Direct MIX input allows straight forward connection of further mixers
- Triple tone control (accessible only with screwdriver)
- 2 stereo outputs
- 3 led output level metre
- 2 additional stereo REC outputs (REC1, REC2)
- Mono mode pushbutton
- Headphones general MIX monitoring
- Full remote MUTE control

SAM 512T 5 input channels, 2 main outputs 19" installation mixer

- 5 MIC/stereo LINE input channel mixer
- Input signal pushbutton selector (MIC/LINE) on back panel
- PFL on all inputs for headphone monitoring
- Independent internal assignable phantom power for all MIC inputs
- Channel 1 features integrated TALKOVER on MIC input. Additional front panel MIC connector
- Direct MIX input allows straight forward connection of further mixers
- Triple tone control (accessible only with screwdriver)
- 2 stereo outputs with independent volume control
- 3 LED output level metre
- 2 additional stereo REC outputs (REC1, REC2)
- Mono mode pushbutton
- Full remote MUTE control

Key features

- Universal 1 RU, 19" installation mixers
- Balanced MIC and stereo LINE inputs and main outputs
- Reliable proprietary power supply
- Excellent frequency response
- Key point features only accessible by Installer
- Ideal for any application requiring a trouble free mixer

Applications

- Gyms
- Licensed venues
- Restaurants
- Leisure venues
- Retail outlets
- Boardrooms and conference centres
- Entertainment music playback
- Education centres
- A/V presentations

SAM series

SAM 312
SAM 512T
SAM 614

installation mixers/preamplifiers



SAM 614 6 input channels routable to 2 main outputs. 19" installation mixer

- 6 input channels
- MIC inputs on channels 1 and 2
- MIC/stereo LINE in channels 3 and 4. Input signal selector (MIC/LINE) on back panel
- Stereo LINE on channels 5 and 6
- Input signal gain level control (accessible only with a screwdriver)
- Each channel features signal present (SP) and CLIP indicators
- General phantom power switch located on back panel. Independent internal phantom power assignment to any MIC input
- Triple tone control (accessible only with a screwdriver)
- 2 main stereo outputs with independent volume control
- 3 LED output level metre
- Input channels can be routed to any main output (A,B) or both
- 2 additional stereo REC outputs (REC1, REC2)
- Mono mode selector
- Headphones monitoring of selected output (A or B)
- Integrated, internally configurable TALKOVER. Affects OUT A and REC A



The SAM mixer series has been specially designed for all public address and communication systems requiring a minimum risk of unwanted external manipulation

Technical Characteristics

		SAM 312	SAM 512	SAM 614
Inputs Sensitivity nom(*)/Impedance	LINE MIC BAL MIX GAIN	0dBV/50kΩ -50(-30)dBV*/2,2kΩ 0(-10)dBV*/>20(>6)kΩ	0dBV/50kΩ -50(-30)dBV*/2,2kΩ 0(-10)dBV*/>20(>6)kΩ	-5dBV/47kΩ -45dBV*/>1kΩ ±20dB
Input sensitivity adjust		-	-	-
Outputs Level/Minimum load	OUT 1 (A) BAL OUT 2 (B) REC HEADPHONES	0(+6)dBV*/600Ω(12)V 0(+6)dBV*/2,2kΩ(12)V 0dBV/10kΩ 200mW/200Ω	0(+6)dBV*/600Ω(12)V 0(+6)dBV*/2,2kΩ(12)V 0dBV/10kΩ 200mW/200Ω	0(+6)dBV*/600Ω(12)V 0(+6)dBV*/600Ω(12)V 0dBV/10kΩ 230mW/400Ω
Frequency response	LINE MIC BAL	10Hz-55kHz -1dB 10Hz-35kHz -1dB	10Hz-55kHz -1dB 10Hz-35kHz -1dB	10Hz-30kHz -1dB 10Hz-30kHz -1dB
Signal/Noise ratio	LINE MIC BAL	>100dB >85dB	>100dB >85dB	>100dB >80dB

		SAM 312	SAM 512	SAM 614
Tone control	BASS MID TREBLE	100Hz ±15dB 2kHz ±15dB 10kHz ±15dB	100Hz ±15dB 2kHz ±15dB 10kHz ±15dB	100Hz ±12dB 1,8kHz ±15dB 10kHz ±12dB
Talkover		-	TIME 1/2/3 seg* EFFECT -30 dB	RECOVERY TIME 2 (1-3) seg*
Phantom voltage		+18VDC	+18VDC	+18VDC
Mains Power consumption		90-264VCA 47-63Hz 18VA	90-264VCA 47-63Hz 20VA	90-264VCA 29VA
Dimensions	Panel Depth	482,6x44mm 195mm	482,6x44mm 195mm	482,6x44mm 195mm
Weight		2,4kg	2,4kg	2,6kg

(*) Internally selectable

COMPACTseries

COMPACT 5
COMPACT 8

Installation mixers/ preamplifiers



Versatile laptop and 19" installation mixers. Specially targeted to both non technical and expert users.

COMPACT 5 Key features

- Universal 5 channel laptop and 19" installation rack mixer
- 8 LINE inputs, 3 MIC inputs, 2 PHONO inputs
- 2 independent MASTER (1x XLR / 1x RCA) and REC output
- 3 band equalizer per channel
- PFL monitoring. Talkover. Phantom power
- 45mm ECLER faders per channel

COMPACT 8 Key features

- Universal 8 channel laptop and 19" installation rack mixer
- 3 Phono inputs
- 7 Stereo Line RCA inputs plus AUX (RCA) inputs in front panel
- 8 MIC (COMBO connector) inputs. Phantom power
- 2 independent outputs (XLR3 and RCA)
- Additional REC output
- 3 band tone control featuring mids 300Hz-6,5kHz semi-parametric equalisation
- Headphones output for PFL and MIX monitoring
- Extra bright 12 position VU-meter
- Assignable talkover with EFFICIENCY and TIME adjustments
- 60 mm high quality ECLER faders
- Specifically developed for applications requiring a large number of microphone inputs



COMPACT 8 back panel

Technical Characteristics COMPACT 5 COMPACT 8

Inputs Sensitivity nom[*]/Impedance	LINE (A-B-AUX) PHONO MICRO (BAL) MICRO ATT (BAL)	0dBV/50kΩ -40dBV/50kΩ -50dBV/>1kΩ -	0dBV/50kΩ -40dBV/50kΩ -50dBV/>1kΩ -30dBV/>1kΩ
Outputs Level/Minimum load	OUT 1 (BAL) OUT 2 REC HEADPHONES	0dBV/600Ω 1V * 0dBV/2,2kΩ 1V * 0dBV/10kΩ 230mW/400Ω	0dBV/600Ω 1V *(+6dB 2V) 0dBV/2,2kΩ 1V *(+6dB 2V) 0dBV/10kΩ 200mW/200Ω
Frequency response	LINE MICRO BAL PHONO	10Hz÷30kHz -1dB 10Hz÷25kHz -1dB RIAA ±0,5dB	10Hz÷30kHz -1dB 10Hz÷30kHz -1dB RIAA ±0,5dB
Signal/Noise ratio	LINE MICRO PHONO	>100dB >85dB >90dB	>100dB >85dB >95dB

COMPACT 5 COMPACT 8

Gain control all inputs	GAIN	± 20dB	± 20dB
Tone control	BASS MID TREBLE	100Hz±12dB 1,8kHz±15dB 10kHz±11dB	90Hz 300Hz ± 6,5kHz ±15dB 12kHz
Talkover	Time Effect	0,3 / 3 seg 0 / -30 dB	0,3 / 3 seg 0 / -30 dB
Phantom voltage		+18VDC/5mA max.	+18VDC/5mA max.
Mains Power consumption		90-264VAC 47-63Hz 28VA	90-264VAC 47-63Hz 33VA
Dimensions	Panel Depth	482,6x132,5mm 200mm	482,6x177mm 221,6mm
Weight		3,7kg	5,2kg

(*) Internally selectable

COMPACT 5 Applications

- Pubs
- Night Clubs
- Retail Shops
- Fitness Centres

COMPACT 8 Applications

- A/V presentations
- Entertainment music playback
- Meeting and seminar rooms
- Education Centres
- Mobile outdoor applications

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All the characteristics are subject to variation due to production tolerances. ECLER SA reserves the right to make changes or improvements in manufacturing or design that may affect specifications.

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