

GENIO

ANALOGUE PREAMPLIFIERS & MIXERS

Multiformat audio connection and transmission box



PRODUCT OVERVIEW

GENIO is an unbalanced-to-balanced audio box with multiformat connection and transmission for professional installation. Includes 2 balanced mono inputs (XLR Combo + Euroblock) and 1 unbalanced stereo input (mini-jack or RCA), and 1 balanced stereo output.

It features one RX and one TX RJ45 ports for the transmission and reception of the balanced output signal from one GENIO unit to another remote GENIO unit, through long distances and using a CAT5 or higher cable, with no need of external power supply for the receiver GENIO device. The signal received at the RX RJ45 port is delivered to the RX A/B Euroblock outputs.

KEY FEATURES

- Multiformat audio connection and transmission box
- 2 balanced MIC/LINE mono inputs, with XLR Combo or Euroblock connectors
- 1 unbalanced stereo input, with mini-jack or RCA connectors
- Adjustable input sensitivity: 0/-20/-40 dB for each input
- 1 balanced stereo output, result of the input combination (IN1-2/IN3-4/ALL selector)
- MONO/ST switch for the main output
- TX and RX RJ45 connector, allowing deliver a copy of the output signal from one to another GENIO unit (+ remote power supply)
- 18 VDC phantom power for microphone inputs
- Powered by an external power supply, 24 VDC
- Includes rack mount accessories

APPLICATIONS

- Retail
- Hospitality
- Education
- Corporate
- Sports and wellness



TECHNICAL SPECIFICATIONS

GENIO	
Inputs	
INPUTS 1-2	
Type	Mono, balanced
Connectors	XLR combo + PHOENIX
Input Impedance	>4kΩ
Phantom power	+18VDC (ON/OFF ext switch)
Sensitivity @ 0dBV out	-40/-20/0 dBV
INPUTS 3-4	
Type	Stereo, unbalanced
Connectors	RCA, minijack
Input Impedance	10 kΩ
Sensitivity @ 0dBV out	-40/-20/0 dBV
INPUTS RXA/RXB	
Type	Balanced, 0dBV
Connectors	RJ-45 RX port, PHOENIX
Outputs	
OUT A/B	
Type	Balanced
Connectors	PHOENIX
Output level	0dBV
TX Port	
Connectors	RJ-45
Audio out signals	OUT A/ OUT B
Remote Power Supply Output	24VDC / 200mA max
RX Port	
Connectors	RJ-45
Audio signals	RX A/ RX B
Remote Power Supply Output	24VDC
Maximum distance TX-RX	300m*
Mechanical	
Dimensions	200x44x130mm / 7,8"x1,7"x5,1"
Weight	0,75kg / 1,65 lb.
Power Supply	
External Power Supply	24VDC
RX Port Power Supply	24VDC
TX Port Power Supply enable	External dip switch
Power consumption	4W

*The distance depends on the cable path and its features (min. CAT5 cable or higher, AWG24/ AWG23/ AWG22 twisted pair cable section)

OUTPUT CONFIGURATION

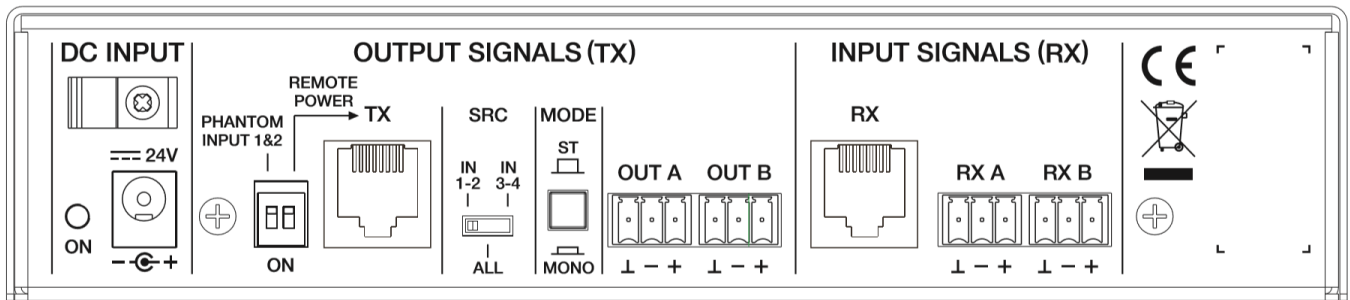
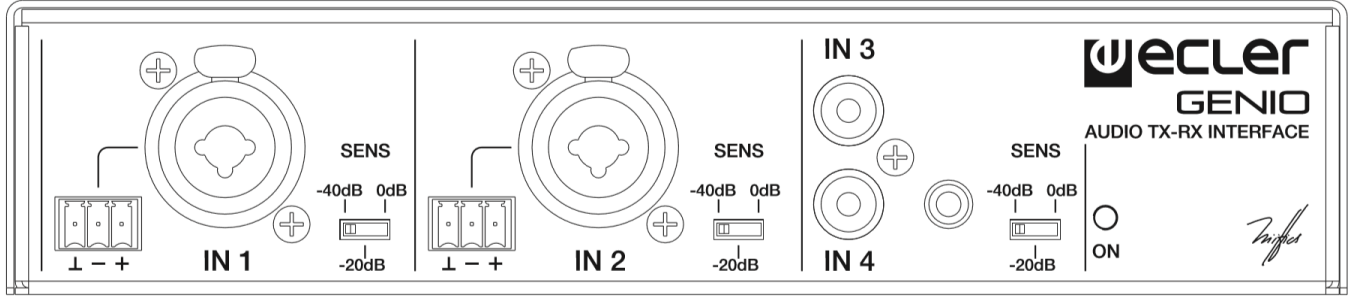
Input Selector	Output Configuration (OUT A/B = TX A/B)
SRC = IN 1 – IN 2 MODE = ST	OUT A = IN 1 OUT B = IN 2
SRC = IN 1 – IN 2 MODE = MONO	OUT A = IN 1 + IN 2 OUT B = IN 1 + IN 2
SRC = IN 3 – IN 4 MODE = ST	OUT A = IN 3 OUT B = IN 4
SRC = IN 1 – IN 2 MODE = MONO	OUT A = IN 3 + 4 OUT B = IN 3 + 4
SRC = ALL MODE = ST / MONO	OUT A = IN 1 + IN 2 OUT B = IN 3 + IN 4

WIRING DIAGRAM RJ-45



Cable color	RJ 45 Pin – Side 1			RJ 45 Pin – Side 2	Cable color
	1	TXA +	← →	1	RXA +
	2	TXA -	← →	2	RXA -
	3	+24V TX	← →	3	+24V RX
	4	GND TX	← →	4	GND RX
	5	+24V TX	← →	5	+24V RX
	6	GND TX	← →	6	GND RX
	7	TXB +	← →	7	RXB +
	8	TXB -	← →	8	RXB -

MECHANICAL DIAGRAM





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.

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