

eCOMPACT4BT

ANALOGUE PREAMPLIFIERS & MIXERS

4-channel Bluetooth® mixer



PRODUCT OVERVIEW

eCOMPACT4BT is a desktop and 19" rackmount 4-channel mixer with Bluetooth® for professional installation. Simple to operate, suitable for both experienced and novice users.

Features 4 microphone inputs, 6 stereo line inputs, USB charging port, Bluetooth® wireless connection and a mini-jack input for external devices. All microphone inputs have a switchable high-pass filter. 3-band tone control and ALT Send (sub-mix channel) on all channels.

Balanced main output (XLR connector), SUB OUT output for sub bass (XLR connector) and alternative ALT output (RCA connector). Stereo/mono switch for main output, allowing various configurations: 2 stereo outputs (MAIN and ALT) or 2 mono outputs (MAIN) and one stereo output (ALT), plus one mono output (SUB). The SUB OUT also features a low-pass filter for connecting a subwoofer or using it as a monitor output (filter disabled).

One channel Talkover function for front panel microphone input (48 V phantom power available for all microphone inputs), and front panel mini-jack headphone output.

KEY FEATURES

- 4-channel analogue mixer, one channel with adjustable Talkover
- Desktop or 19" rack installation
- 4 microphone inputs, one with combo connector (front panel)
- 48 V phantom power for microphone inputs (rear panel selector)
- 6 RCA stereo line inputs, and one stereo mini-jack line input on front panel
- Class 1 Bluetooth® wireless connection (up to 25 m range under ideal conditions)
- Source selector on each channel
- Selectable high-pass filter for MIC inputs ($f_c = 100$ Hz)
- 3-band tone control (treble, midrange and bass)
- Input signal presence and overload indicators
- 45 mm faders
- ALT OUT send per channel. Sub-mix available
- USB port for charging mobile devices
- Balanced main output (MAIN OUT), XLR connector
- Stereo/mono switch for main output
- Signal indicators (LED) with measured output signal selector (MAIN OUT or ALT OUT)
- Unbalanced alternative or sub-mix output (ALT OUT), RCA connector
- Sub-bass or auxiliary output (SUB OUT), XLR connector. Mono sum of the main output signal
- Low-pass filter available on SUB OUT ($f_c = 150$ Hz)
- Front panel headphone output, mini-jack
- 3URMKIT included (rack-mount accessory)

APPLICATIONS

- Pubs
- Night Clubs
- Retail Shops
- Fitness Centres

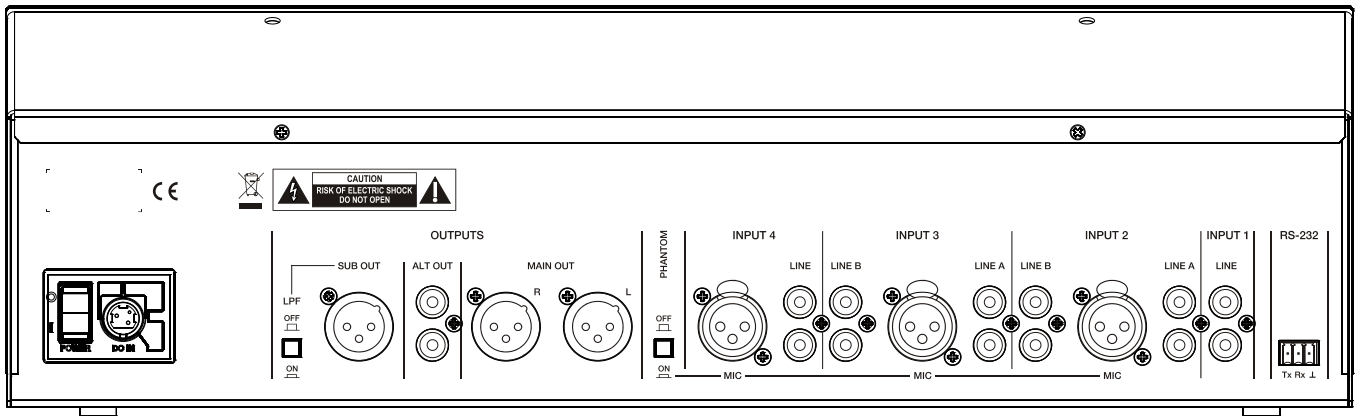
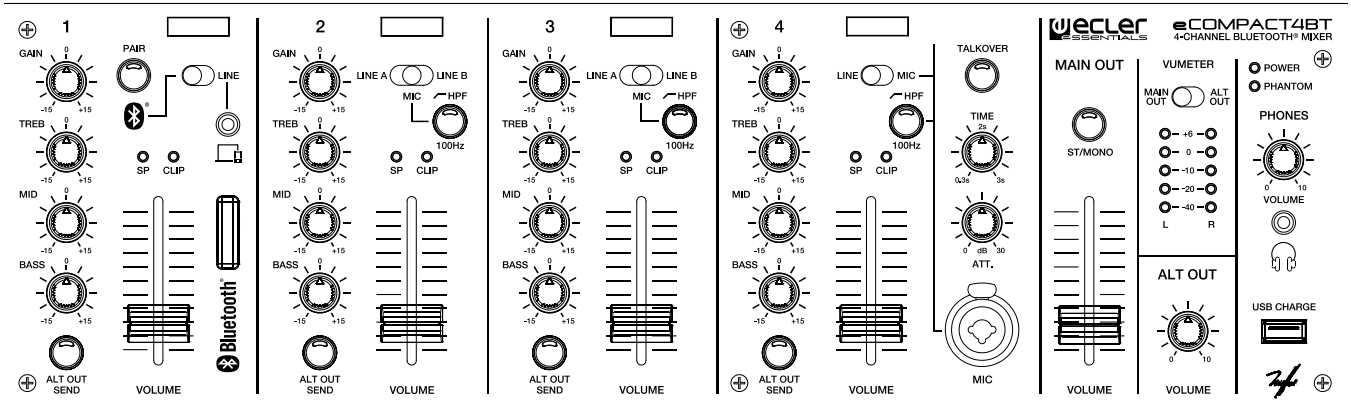
TECHNICAL SPECIFICATIONS

eCOMPACT4BT

Input Sensitivity and Input Impedance	
LINE, LINE A, LINE B	0dBV/50k Ω
MICRO (BAL)	-35dBV/>1k Ω
AUX INPUT IN1	-10dBV/316 Ω
BT INPUT	-10dBVFS
Frequency Response	
LINE, LINE A, LINE B	10Hz÷30kHz, -1dB
MICRO (BAL)	10Hz÷30kHz, -1dB
AUX INPUT IN1	10Hz÷30kHz, -1dB
BT INPUT	10Hz÷30kHz, -1dB
Input Selector	
INPUT 1	BT, LINE + AUX
INPUT 2	LINE A, MICRO, LINE B
INPUT 3	LINE A, MICRO, LINE B
INPUT 4 (TALKOVER)	LINE, MIC
Aux Input (on INPUT 1)	Connected to INPUT1 LINE
Gain control	
GAIN	\pm 15dB
Tone control	
BASS	100Hz, \pm 15dB
MID	2kHz, \pm 15dB
TREBLE	10kHz, \pm 15dB
THD+N	
LINE	<0,03%
MICRO	<0,06%
AUX	<0,03%
BT INPUT	<0,05%
Signal Noise Ratio	
LINE	>100dB
MICRO	>90dB
AUX INPUT IN1	>100dB
BT INPUT	>100dB
CMRR	
BAL INPUTS	>75dB @ 1kHz
MICRO 2-4 High Pass Filter	100Hz, -3dB – 2nd order
Outputs Level	
MAIN OUT	0dBV
SUB OUT	0dBV
ALT OUT	0dBV
HEADPHONES	200mW
Output VU-METER	+6dB to -40dB, MAIN OUT or ALT OUT selectable

STEREO / MONO	Functional only over MAIN OUT, SUB OUT and HEADPHONES
ALT OUT	Selectable by ALT OUT SEND buttons in each CHANNEL
SUB OUT low pass filter (externally selectable)	140Hz, -3dB – 3rd order
Talkover	
	TIME 0,3 / 3 seg
	ATT 0 / 30 dB
	SENSITIVITY -20dB (Factory default) / -30dB (internally selectable)
	LED INDICATOR Orange when TLK TRIGGERED
Signal Present indicators	
	LINE -40dB
	MICRO -75dB
Clip indicators (inputs)	+16dB
Phantom voltage (externally selectable)	+48VDC
USB port	+5VDC, only for charging
RS232 port	Only for configuration purposes
BT PAIR Button	Only for UNPAIRING and configuration purposes
DC Power Supply	±17.5 VDC
Mains (with External Power Supply)	100-240VAC + External PSU 17,5VDC
Power consumption (with External Power Supply)	15W
Dimensions	
	Panel 440x132mm
	Depth 125mm
Weight	3,0kg

MECHANICAL DIAGRAM



Todas las características del producto están sujetas a variación debido a las tolerancias de producción. **NEEC AUDIO BARCELONA S.L.** se reserva el derecho de realizar cambios o mejoras en el diseño o fabricación que puedan afectar las especificaciones de este producto.

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