

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

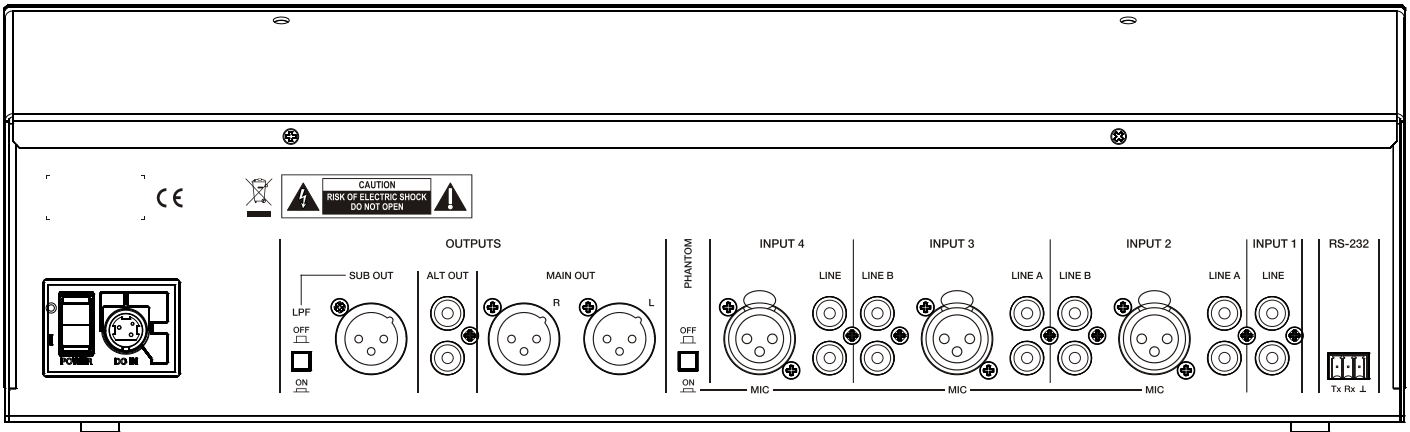
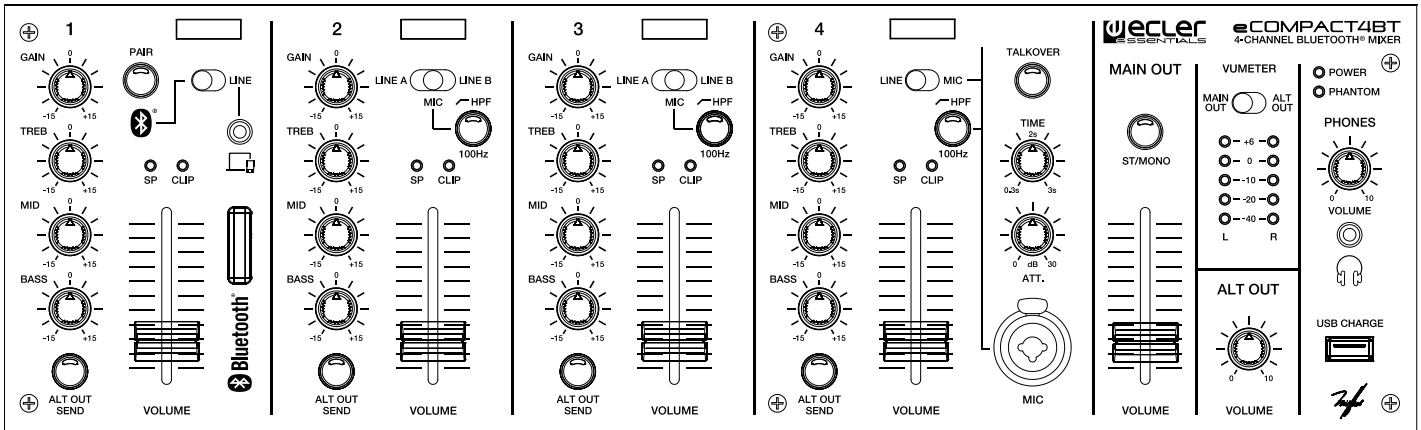
TECHNICAL DATA

INPUTS		
Inputs Sensitivity and Input Impedance	LINE, LINE A, LINE B	0dBV/50k Ω
	MICRO (BAL)	-35dBV/>1k Ω
	AUX INPUT IN1	-10dBV/316 Ω
	BLUETOOTH INPUT	-10dBVFS
Frequency Response	LINE, LINE A, LINE B	10Hz \pm 30kHz -1dB
	MICRO (BAL)	10Hz \pm 30kHz -1dB
	AUX INPUT IN1	10Hz \pm 30kHz -1dB
	BLUETOOTH INPUT	10Hz \pm 30kHz -1dB
Input Selector	INPUT 1	BLUETOOTH, 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%
	BLUETOOTH INPUT	<0.05%
Signal Noise Ratio	LINE	>100dB
	MICRO	>90dB
	AUX	>100dB
	BLUETOOTH INPUT	>100dB
CMRR	BAL INPUTS	>75dB @ 1kHz
Micro 2-4 High Pass Filter		100Hz, -3dB – 2nd order
OUTPUTS		
Output Level	MAIN OUT	0dBV
	SUB OUT	0dBV
	ALT OUT	0dBV
	HEADPHONES	200mV
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 – 3 rd order

MISCELLANEOUS

Talkover	TIME	0.3 / 3 seg
	ATT	0 / 30 Db
	SENSITIVITY	-20dB / -30dB, internally selectable
	LED INDICATOR	Orange when TLK triggered
Signal Present Indicators	LINE	-40dB
	MICRO	-75dB
Clip Indicators		+16dB
Phantom Voltage	Externally selectable	+48VDC
USB Port		+5VDC, only for charging
Rs-232 Port		Only for configuration purposes
Bluetooth PAIR Button		Only for pairing/unpairing and configuration purposes
Dimensions	Panel	440x132mm / 17,32"x5,19"
	Depth	125mm / 4,92"
Weight		3.0 kg / 6,61 lb

MECHANICAL DIAGRAMS



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.
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