

MZ-123BT

September 2019

Compact Multi-Zone Audio Mixer with Bluetooth



- Slim rackmount mixer for three output zones
- Built-in Bluetooth receiver
- Bluetooth antenna on the front panel ensures a stable wireless connection
- Three stereo line inputs
 - Two RCA unbalanced line inputs on rear panel
 - Bluetooth/Aux input on front panel
 - Gain controls on rear panel
- Two mic inputs for announcements or moderation
 - Connection via Euroblock connectors
 - Mic 1 can also be connected via XLR/TRS on the front-panel
- Talkover function (with rear-panel controls for threshold, time and on/off)
- PAD, high-pass filter and 48-volt phantom power on each mic input (switchable on rear panel)
- Rear-panel controls for gain and three-band EQ
- Level controls and zone selection buttons on each mic and stereo line input
- Signal and peak indicators on each mic and stereo line input
- Three zone outputs with level controls, signal/peak indicators and monitor selection buttons
- Headphones output with level control
- Compact 1U rackmount size

Equivalent input noise	≤-125 dB(A)
Frequency response	20 Hz – 20 kHz, ±0.5/-1 dB
S/N ratio	≥90 dB
Distortion	≤0.001%
Crosstalk attenuation	≥80 dB
Minimum mic input level	-65 dBu
Maximum output level	+24 dBu
Bluetooth	v4.2, A2DP, SBC, AAC, aptX™
Overall dimensions (W × H × D, without antenna)	483 mm × 45 mm × 275 mm
Weight	3 kg

Available: October 2019

EAN: 4907034131273



Specifications

Analogue audio inputs	
Microphone inputs 1–2 (balanced)	
Connector, front panel	XLR/TRS combo connector XLR-3-31 (1: GND, 2: HOT, 3: COLD) 6.3-mm TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
Connector, rear panel	2 × Euroblock
Input impedance	2.4 k Ω
Nominal input level	–26 dBu (front connector set to HIGH or rear connector PAD OFF) –2 dBu (front connector set to LOW or rear connector PAD ON)
Maximum input level	–10 dBu (front connector set to HIGH or rear connector PAD OFF) +14 dBu (front connector set to LOW or rear connector PAD ON)
Minimum input level	–65 dBu (front connector set to HIGH or rear connector PAD OFF) –41 dBu (front connector set to LOW or rear connector PAD ON)
Line inputs (unbalanced)	RCA pin jacks
Nominal input level	–10 dBV
Maximum input level	+6 dBV
Input impedance	≥ 10 k Ω
Aux inputs (unbalanced)	3.5-mm stereo mini jack
Nominal input level	–20 dBV
Maximum input level	–4 dBV
Input impedance	≥ 10 k Ω
Analogue audio outputs	
Outputs 1–3 (balanced)	3 × Euroblock
Nominal output level	+4 dBu (volume knob set to 0 dB)
Maximum output level	+24 dBu
Output impedance	200 Ω
Headphones output	6.3-mm stereo jack
Maximum output power	80 mW + 80 mW (THD+N ≤ 0.1 %, 32 Ω load)
Audio performance	
Equivalent input noise (EIN)	≤ -125 dB(A) (mic input to line output, 150 Ω , 20-kHz LPF)
Frequency response	
Mic input to line output	20 Hz – 20 kHz, +0.5 dB / –1 dB (GAIN at min., VOLUME at 0 dB, JEITA)
Line input to line output	20 Hz – 20 kHz, ± 0.5 dB (GAIN at min., VOLUME at 0 dB, JEITA)
Distortion	
Mic input (front) to line output	≤ 0.02 %
Mic input (rear) to line output	≤ 0.01 %
Line input to line output	≤ 0.01 %
S/N ratio	≥ 90 dB
Crosstalk attenuation	≥ 80 dB
Bluetooth	
Bluetooth version	4.2
Output class	Class 2
Supported profile	A2DP
Supported A2DP codecs	SBC, AAC, aptX™
A2DP content protection	SCMS-T
Antenna	RP-SMA (female)
Power supply and other specifications	
Power supply	AC 100–240 V, 50/60 Hz
Power consumption	25 W
Overall dimensions (w × h × d)	483 mm × 47 mm × 275 mm
Weight	3.0 kg
Permissible operating temperature	0–40 °C
Included items	Power cord, 8 Euroblock plugs with cable band kit, rackmount screw kit, Owner’s Manual, Bluetooth antenna