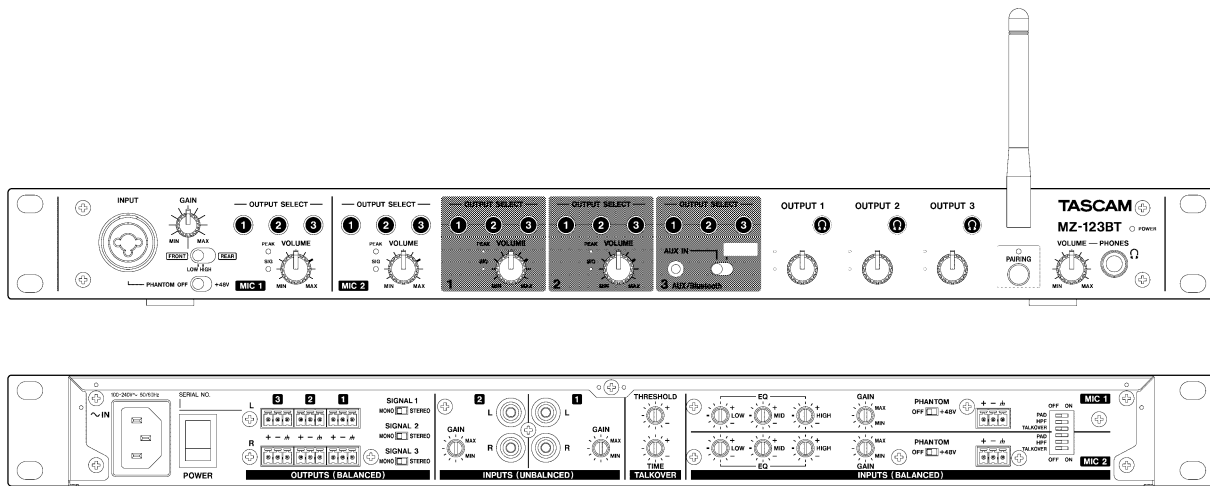


Product Spec Sheet
INSTALLATION MIXER
MZ-123BT



■ Specifications

Audio inputs

•MIC INPUT (BALANCED) jack (front)

- Connector: XLR-3-31 equivalent (1: GND, 2: HOT, 3: COLD)
6.3 mm (1/4") standard TRS jack (Tip: HOT, Ring: COLD, Sleeve: GND)
- Rated input level: -26 dBu (0.039 Vrms, when FRONT HIGH)
-2 dBu (0.616 Vrms, when FRONT LOW)
- Maximum input level: -10 dBu (0.245 Vrms, when FRONT HIGH)
+14 dBu (3.884 Vrms, when FRONT LOW)
- Minimum input level: -65 dBu (0.0004 Vrms, when FRONT HIGH)
-41 dBu (0.007 Vrms, when FRONT LOW)
- Gain adjustment range: 39 dB
- Input impedance: 2.2 kΩ

•MIC IN 1-2 (BALANCED) connectors (rear)

- Connectors: Euroblock (balanced) 3.81mm pitch
- Rated input level: -26 dBu (0.039 Vrms, when PAD switch OFF)
-2 dBu (0.616 Vrms, when PAD switch ON)
- Maximum input level: -10 dBu (0.245 Vrms, when PAD switch OFF)
+14 dBu (3.884 Vrms, when PAD switch ON)
- Minimum input level: -65 dBu (0.0004 Vrms, when PAD switch OFF)
-41 dBu (0.007 Vrms, when PAD switch ON)
- Gain adjustment range: 39 dB
- Input impedance: 2.2 kΩ

•LINE INPUTS 1-2 (UNBALANCED) connectors (rear)

- Connectors: RCA pin jacks
- Nominal input level: -10 dBV (0.316 Vrms)
- Maximum input level: +6 dBV (2.0 Vrms)
- Gain adjustment range: ±16 dB
- Input impedance: 10 kΩ or higher

•AUX IN (UNBALANCED) jack (front)

Connector:	3.5 mm (1/8") stereo mini jack
Nominal input level:	-20 dBV (0.1 Vrms)
Maximum input level:	-4 dBV (0.63 Vrms)
Input impedance:	10 k Ω or higher

Audio outputs**•OUTPUTS (BALANCED) connectors**

Connectors:	Euroblock (balanced) 3.81 mm pitch
Rated output level:	+4 dBu (1.228 Vrms, when VOLUME knob at 0 dB)
Maximum output level:	+24 dBu (12.282 Vrms)
Output impedance:	200 Ω

•PHONES jack

Connector:	6.3 mm (1/4") standard stereo jack
Maximum output:	80 mW + 80 mW or higher (THD+N 0.1% or less, into 32 Ω load)

Audio performance**•Frequency response**

MIC INPUT → LINE OUTPUT

20 Hz – 20 kHz: +0.5 dB/-1.0 dB
(when GAIN knob at minimum, VOLUME knob at 0 dB, JEITA)

LINE INPUT → LINE OUTPUT

20 Hz – 20 kHz: ± 0.5 dB
(when GAIN knob at minimum, VOLUME knob at 0 dB, JEITA)**•Distortion**

MIC INPUT (front) → LINE OUTPUT

0.02% or less (when GAIN knob at minimum, VOLUME knob at 0 dB, JEITA)

MIC INPUT (rear) → LINE OUTPUT

0.01% or less (when GAIN knob at minimum, VOLUME knob at 0 dB, JEITA)

LINE INPUT → LINE OUTPUT

0.01% or less (when GAIN knob at minimum, VOLUME knob at 0 dB, JEITA)

•S/N ratio

MIC INPUT → LINE OUTPUT

90 dB or higher (when GAIN knob at minimum, VOLUME knob at 0 dB, JEITA)

LINE INPUT → LINE OUTPUT

90 dB or higher (when GAIN knob at minimum, VOLUME knob at 0 dB, JEITA)

•Crosstalk

MIC INPUT → LINE OUTPUT

80 dB or higher (when GAIN knob at minimum, VOLUME knob at 0 dB, JEITA)

LINE INPUT → LINE OUTPUT

80 dB or higher (when GAIN knob at minimum, VOLUME knob at 0 dB, JEITA)

•Mic amp EIN (equivalent input noise)

MIC INPUT → LINE OUTPUT

125 dB or higher (150 Ω , 20 kHz LPF, A-weight)

● JEITA: indicates compliance with JEITA CP-1301A

Bluetooth

Bluetooth version: 4.2

Output class:	2 (about 10 m* unobstructed transmission distance)
Supported profile:	A2DP
Supported A2DP codecs:	SBC, AAC, Qualcomm® aptX™ audio

Supported A2DP content protection: SCMS-T

* The transmission distance is only an estimate and might vary depending on the surrounding environment and radio wave conditions.

Other

•Power

AC100–240 V, 50/60 Hz

•Power consumption

25 W

•Dimensions

483 × 46.5 × 274.8 mm (W x H x D, including protrusions, excluding Bluetooth antenna)

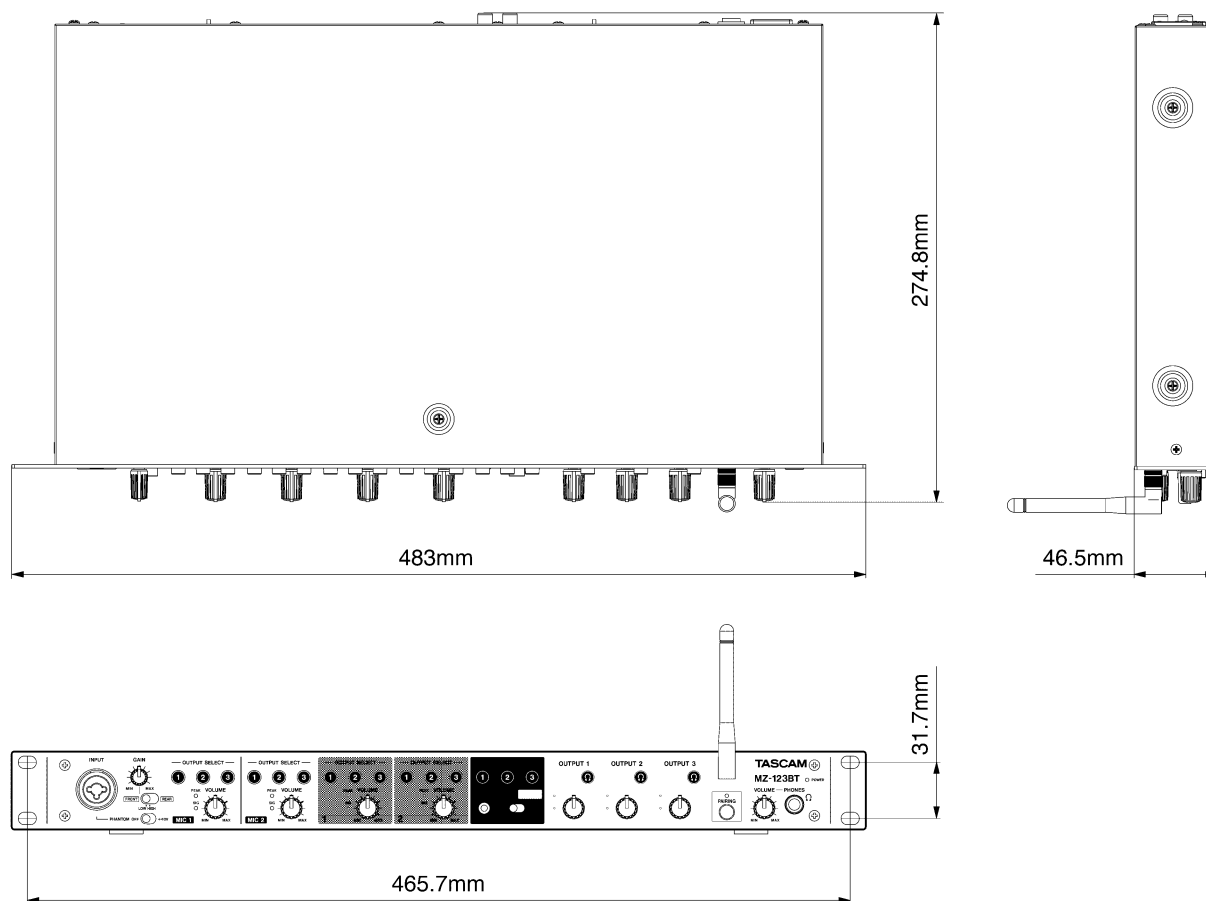
•Weight

3.0 kg

•Operating temperature range

0 – 40 °C (32 – 104 °F)

■ Dimensional drawings



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