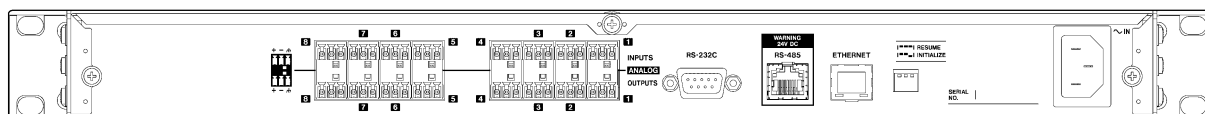


Jan, 2019

## Product Spec Sheet

### MATRIX MIXER

# MX-8A



## ■ Specifications

### General

#### •FORMAT

44.1 k/48 kHz, 16 bit/24 bit

### Input/output ratings

#### •USB port

Connector: 4-pin USB B-type  
Transfer rate: USB 2.0 High Speed (480 Mbps)

#### •ANALOG IN connectors

Connector: Euroblock (balanced) 3.81 mm pitch  
Minimum input level: -77.5 dBu  
Maximum input level: +26 dBu (MIC)  
Maximum input level: +24 dBu (LINE)  
Input impedance: 2.2 k $\Omega$  or higher

#### •ANALOG OUT connectors

Connector: Euroblock (balanced) 3.81 mm pitch  
Nominal output level: +4 dBu (when Ref.Level set to other than -9 dBFS)  
+6 dBu (when Ref.Level set to -9 dBFS)

Maximum output level (switchable):

+15 dBu (Ref.Level: -9 dBFS)  
+18 dBu (Ref.Level: -14 dBFS)  
+20 dBu (Ref.Level: -16 dBFS)  
+22 dBu (Ref.Level: -18 dBFS)  
+24 dBu (Ref.Level: -20 dBFS)

Output impedance: 200  $\Omega$  or lower

#### •RS-232C connector

D-sub 9-pin (female, inch-standard)

#### •RS-485 connector

Connector: RJ-45  
Cables: category 5e or faster STP cables

#### •Ethernet connector

Connector: RJ-45  
Transmission protocol: TCP/IP  
Ethernet standard: 100BASE-TX

Cables: category 5e or faster STP cables

- 0 dBu=0.775 Vrms

### Audio performance

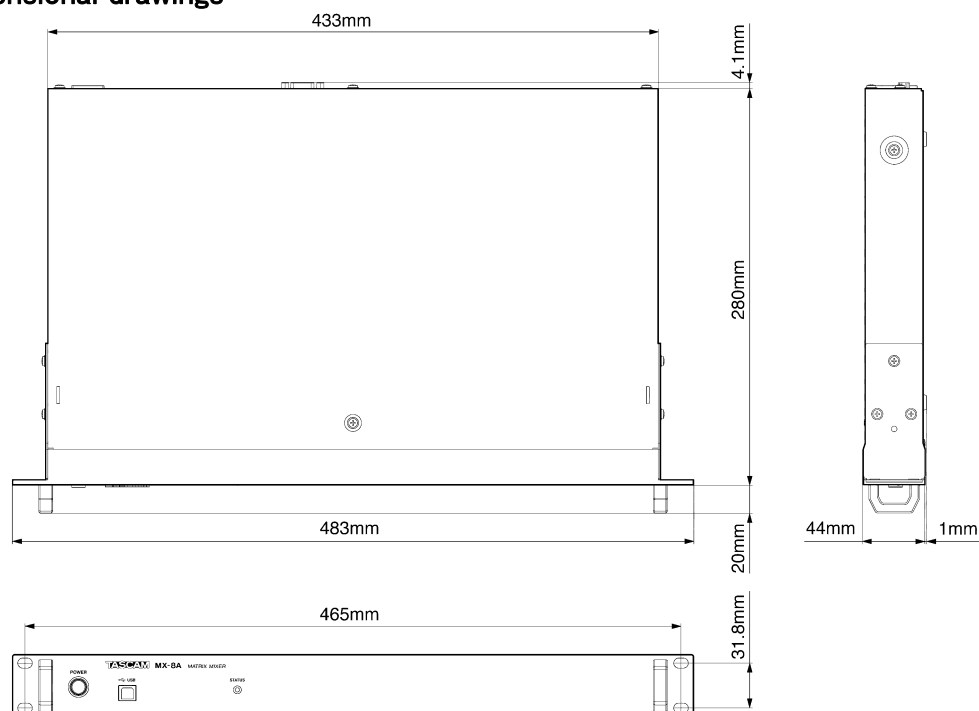
- **Mic amp EIN (equivalent input noise)**  
-126 dBu or less (MIC IN → LINE OUT, Input impedance: 150 Ω, 22 kHz LPF, A-weighted, JEITA)
- **Frequency response**  
±0.5 dB: 20 Hz – 20 kHz (+24 dBu input, MIC IN → LINE OUT, GAIN MIN, JEITA)
- **Distortion (THD+N)**  
0.005 % or less (+24 dBu input, 1 kHz, MIC IN → LINE OUT, GAIN MIN, JEITA)
- **S/N ratio**  
106 dB or higher  
(+24 dBu input, 44.1 k/48 kHz sampling frequency, MIC IN → LINE OUT, GAIN MIN, JEITA)
- **Crosstalk**  
106 dB or higher (+24 dBu input, 1 kHz, MIC IN → LINE OUT, GAIN MIN, JEITA)
- **Dynamic range**  
106 dB or higher (MIC IN → LINE OUT, GAIN MIN, JEITA)

Note: JEITA indicates compliance with JEITA CP-2150

### Other

- **Power** AC100–240 V, 50/60 Hz
- **Power consumption** 21 W
- **Dimensions** 483 × 45 × 304.1 mm (W × H × D, including protrusions)
- **Weight** 3.0 kg
- **Operating temperature range** 0 °C–40 °C

### ■ Dimensional drawings



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