

M-633D CU

DIGITAL STEREO MIXER



The M-633D is a stereo mixer equipped with 12 input channels (6 monaural inputs and 3 stereo inputs) and 6 output channels (2 monaural outputs, 1 stereo output, and 1 stereo recording output). It has 2 monaural channel and 1 stereo channel bus lines, allowing each input signal to be assigned to each bus line individually. It features digital signal processing functions such as Automatic Resonance Control function, Feedback Suppressor function (FBS), Automatic Clipguard function (ACG), and Automatic Mute function (AUTO MUTE).

It performs advanced acoustic compensation by means of automatic processing without the use of an acoustic measuring instrument. It can be mounted in an EIA component rack (1U size).

Key features

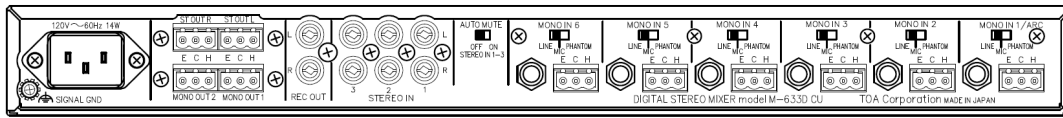
- One-touch operation
- Automatic resonance control (ARC) with room mode frequency detection and inverse response curve for compensation
- Automatic clipguard (ACG)
- Automatic feedback suppressor (FBS)
- Automatic mute function
- Clearly, highly articulate sound
- 1 unit height

Specifications

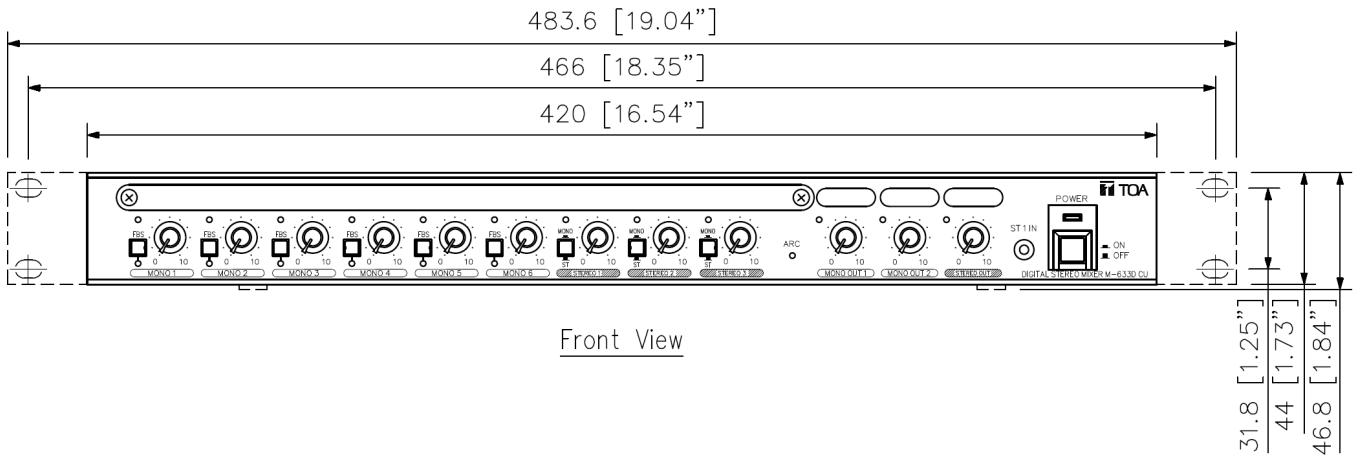
(*4) 0 dB = 1V

Power Source	120 V AC, 60 Hz
Power Consumption	14 W
Frequency Response	20 Hz - 20 kHz
Sampling Frequency	48 kHz
Dynamic Range	90 dB or more (IHF-A weighted)
Distortion	0.03% or less, 1 kHz, -10 dB* input, 0 dB* output (20 Hz - 20 kHz, BPF)
Input	6 monaural input channels (MONO IN 1 - 6), selectable independently from 3 types of inputs below for each channel LINE: -10 dB*, 2.4 k Ω , electronically balanced MIC: -46 dB*, 2.4 k Ω , electronically balanced PHANTOM: -46 dB*, 2.4 k Ω , supplies phantom power of +24 V DC, 10 mA, electronically balanced Removable terminal block (3P), phone jack 3 stereo inputs (L, R) (STEREO IN 1 - 3) : -10 dB*/10 k Ω , RCA jack (STEREO IN 1 - 3), Stereo mini jack (ST IN 1)
Output	2 monaural output channels (MONO OUT 1, 2): 0 dB* (applicable load: over 1 k Ω), electronically balanced, removable terminal block (3P) 1 stereo output (L, R) channel (ST OUT L, R): 0 dB* (applicable load: over 1 k Ω), electronically balanced, removable terminal block (3P) 1 stereo recording output (L, R) channel (REC OUT L, R): -10 dB* (applicable load: over 1 k Ω), RCA jack
Bus Line	Monaural channel x 2, Stereo channel x 1
A/D Converter	24 bits
D/A Converter	24 bits
Digital Signal Processing	
Automatic Resonance Control (ARC)	3 output channels (each monaural output channel, stereo output L, R), independent settings for each channel, automatic creation of EQ curves (for sound field compensation) ARC measurement start switch x 1, Function ON/OFF check indicator x 1
Feedback Suppressor (FBS)	6 channels (each monaural input channel), independent settings for each channel Function ON/OFF switch x 6, Function ON/OFF check indicator x 6
Automatic Clip-guard (ACG)	6 channels (each monaural input channel), independent settings for each channel
Automatic Mute	Function ON/OFF switch x 1
Input Level Indicator	2-color LED indicator: Green (for appropriate level)/red (for peak level)
Output Level Indicator	2-color LED indicator: Green (for appropriate level)/red (for peak level)
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating Humidity	Under 90% RH (no condensation)
Finish	Panel: Aluminum, black, hair-line Case: Precoated steel sheet, black, 30% gloss
Dimensions	420 (W) x 44 (H) x 341.3 (D) mm (16.54" x 1.73" x 13.44")
Weight	4.0 kg (8.82 lb)
Included Accessories	Power cord (2 m (6.56 ft)) x 1, Removable terminal plug (3 pins) x 10, Rack mounting bracket x 2, Machine screw (M3 x 8) x 6, Rack mounting screw (5 x 12) x 4

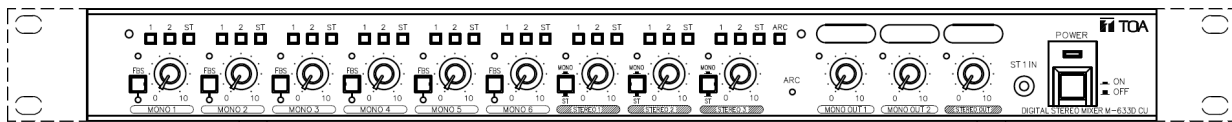
Dimensions



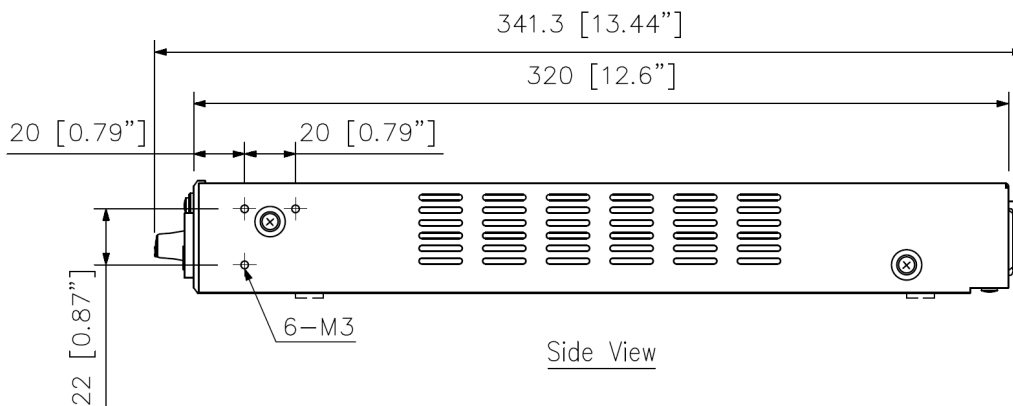
Rear View



Front View



Front View with a assign cover detached



Side View

UNIT:mm

A&E specifications

Easy to use compact digital mixing system with feedback suppressors and auto-resonance control in a 19 "enclosure with one unit height."

6 balanced mic / line inputs for microphones or recording devices in mono via pluggable connectors and balanced TRS Jack, sensitivity individually selectable phantom power for microphones can be activated individually.

Three stereo inputs via cinch Sockets (RCA Sockets) for recording devices, individually switchable to the mixing of the left and right channel to the Mono summation.

All inputs switching and mixable can be protected on a stereo master and 2 mono sum, the edge by a cover against unauthorized access.

Optional auto-hide the three stereo inputs with signal on the mono inputs by voice activation (VOX).

Two mono outputs and a stereo output via pluggable connectors with own volume plates as well as a stereo recording connection via cinch Sockets (RCA Sockets).

Integrated automatic feedback suppressors (FBS) to increase the possible output volume for all mono channels can be activated individually. By suppressing the feedback frequencies only to the necessary level hardly any influence on the sound quality.

Anti-resonance control for improving speech intelligibility by reducing the resonance excitation in the room separately for the Mono outputs and stereo out just a measurable.