

D-901 US

DIGITAL MIXER



The D-901 is a 19-type rack-mounted (3U high) digital mixer configured with 12 inputs, 8 buses, and 8 outputs. It features signal processing functions necessary for sound systems such as feedback suppression and auto-mixing. Modular construction permits flexible configuration of inputs and outputs, from 2-IN/4-OUT to 12-IN/8-OUT systems. All functional parameters can be set at the unit. Settings can be stored in the unit's internal memory as "preset memory" and can be recalled using the front panel-mounted operation keys.

Key features

- 12-input, 8-bus, 8-output channel configuration (12 x 8 matrix) with easy operation
- Can be expanded as application requires
- Convenient front panel controls and display make it easy to perform all functions and confirm parameter settings without requiring a PC
- Ability to store up to 16 sound parameter setting configurations in memory for instant recall when required

Specifications

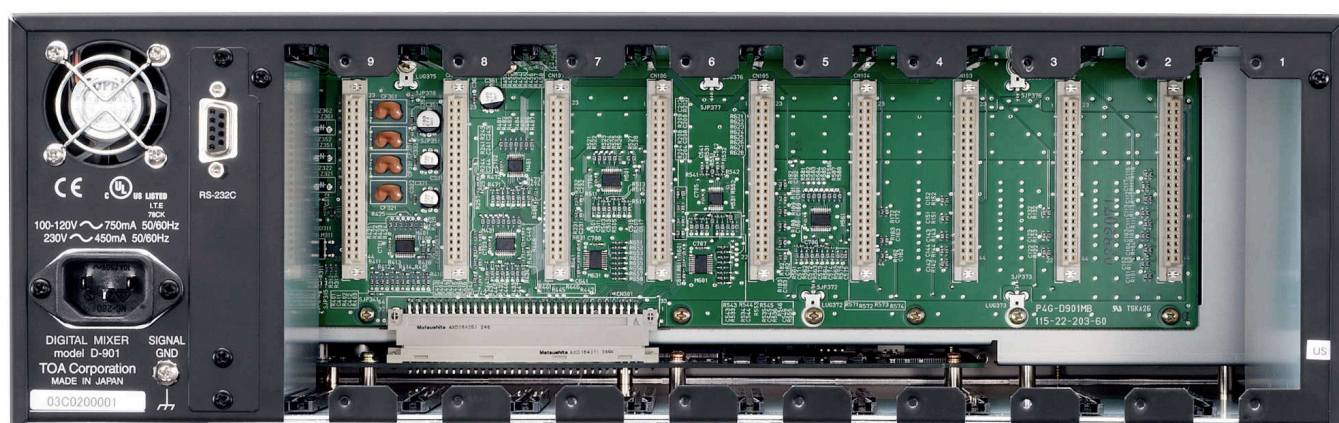
*0 dB = 0.775 V

Power Source	100 – 120 V AC, 50/60 Hz
Power Consumption	40 W
Frequency Response	20 Hz - 20 kHz, ± 1 dB (± 4 dB* input)
Input	Max. 12 channels, modular construction (modules optional)
Output	Max. 8 channels, modular construction (modules optional)
Digital Signal Processing	
Feedback Suppressor (FBS)	12 filters (auto/dynamic)
Auto-Mixing Function	Ducker (auto muting), NOM attenuation
Auto Mixing Group	4 groups
Equalizer/Filter	Parametric equalizer: 20 – 20,000 Hz, ± 15 dB, Q: 0.267 – 69.249 Filtering: High-pass filter 20 – 20,000 Hz, 6 dB/oct, 12 ct Low pass filter 20 – 20,000 Hz, 6 dB/oct, 12 dB/oct Notch filter 20 – 20,000 Hz, Q: 8.651 – 69.249 All-pass filter 20 – 20,000 Hz, Q: 0.267 – 69.249 High shelving filter 6 – 20,000 Hz, ± 15 dB Low shelving filter 20 – 500 Hz, ± 15 dB Horn equalizer 20 kHz, 0 to +18 dB (1 dB steps) Crossover filter: 20 – 20,000 Hz, 6 dB/oct, 12 dB/oct, 18 dB/oct, 24 dB/oct
Compressor/Auto-Leveler	(Compressor mode) Threshold: -20 to +20 dB (1 dB steps) Ratio: 1:1, 2:1, 3:1, 4:1, 8:1, 12:1, 20:1, ∞ :1 Attack time: 0.2 ms – 5 s Release time: 10 ms – 5 s Gain: $-\infty$ to +10 dB (Auto-leveler mode) Target level: -20 to +20 dB (1 dB steps) Maximum gain: 0 to +20 dB (1 dB steps) Attack time: 10 ms – 10 s Release time: 100 ms – 10 s
Delay	Delay time: 0 – 682.6 ms (0.021 ms steps)
Matrix	12 x 8
Crosspoint gain	$-\infty$ to 0 dB (1 dB steps)
Preset Memory	16
Auxiliary Function	System Locking function
Control	RS-232C, D-sub connector (9 pins), Remote control module (option)
Front Panel Section	Preset memory recall key: 8 LCD screen, screen shift key (up/down/left/right), setting knob Input level indicator: Dual color LED Output level indicator: Dual color LED Channel selector key: 12 (input channel selection), 8 (output channel selection) Channel volume control: 1 (input channel selection), 1 (output channel selection)
Rear Panel	Input module slot: 6 (input/output module slot: 2) Output module slot: 2 Remote control module slot: 1
Operating Temperature	+5 °C to +40 °C (41 °F to 104 °F)

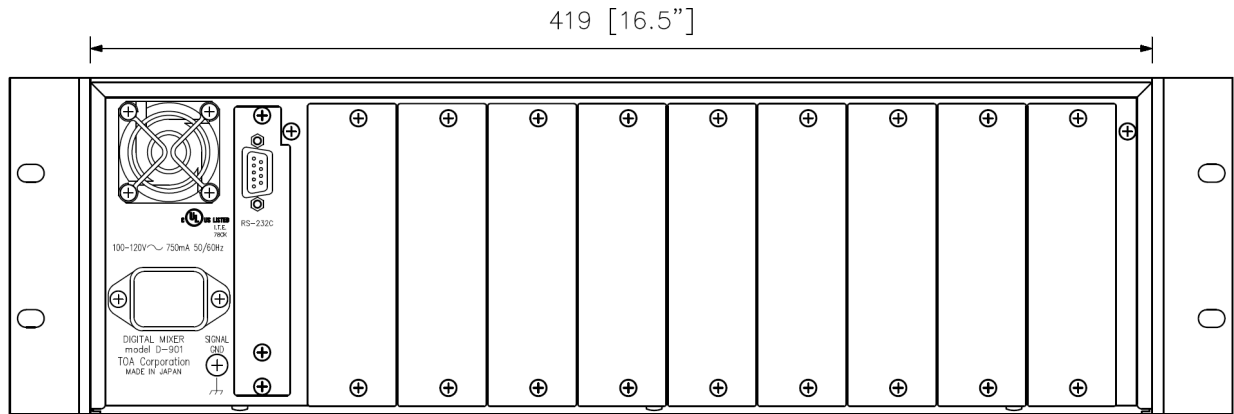
Finish	Panel: Aluminum, hair-line finish, black Others: Pre-coated steel plate, black, 30% gloss
Dimensions	482.6 (W) x 132.6 (H) x 320 (D) mm (19" x 5.22" x 13.51") (excluding projection)
Weight	6.9 kg (15.21 lb)
Included Accessories	Power cord (2 m (6.56 ft) x 1, Rack mounting screw x 4, Rack mounting bracket (preinstalled on the unit) x 2, Module mounting screw (spare) x 4, Blank panel (preinstalled on the module slot) x 9

[Note] When installing the unit, never block the intake vents provided in the unit's bottom near the rear.

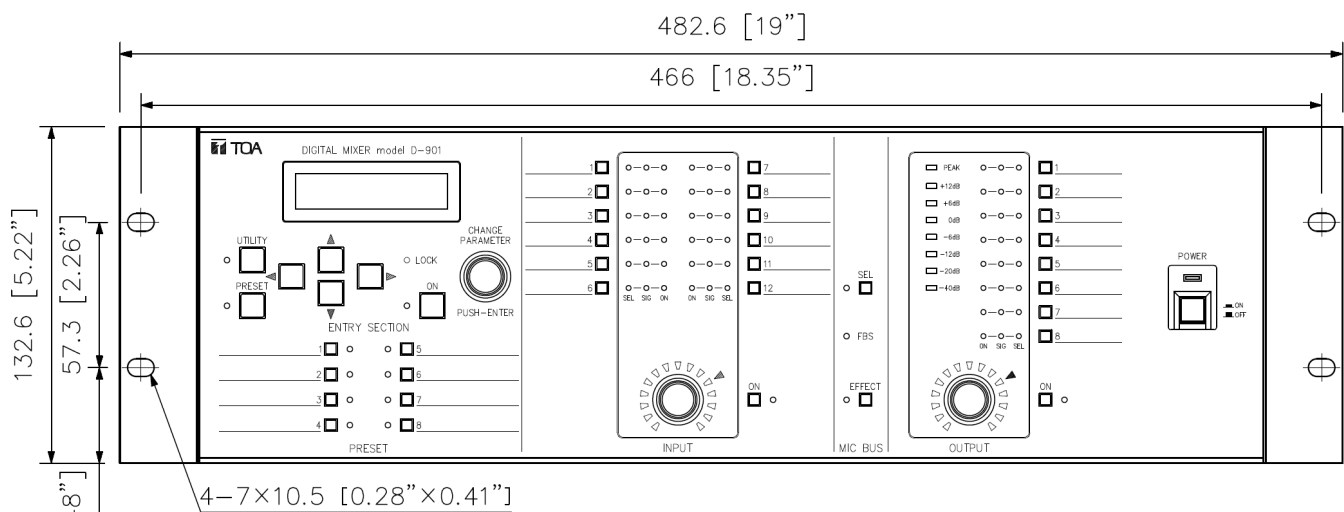
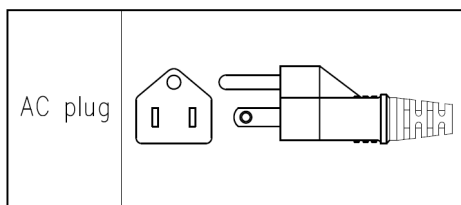
Product rear image



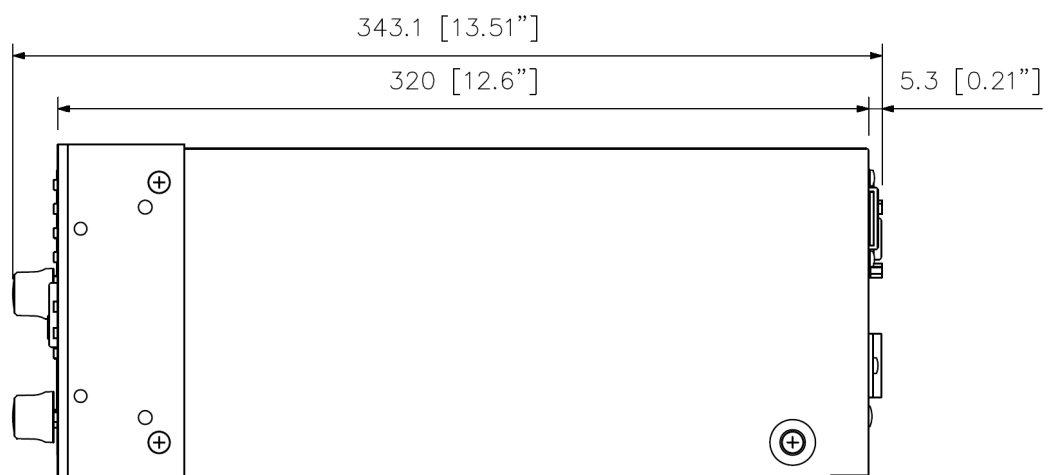
Dimensions



Rear View



Front View



Side View

UNIT:mm

A&E specifications

Digital mixer with up to 12 inputs and 8 outputs. Module base frame with rear slots for various input and output modules for flexible expansion of the system according to the requirements. Feedback suppressors with 12 filters in automatic or dynamic mode. Automatic mixer with variable NOM-(number of open microphones) and ducker functions (signal-controlled mute) with 8 priority levels.

DSP functions of the input channels: trim (gain), pad, attenuator, phase reversal, compressor, variable high-pass filter, 2 parametric equalizer DSP functions of the output channels: mixing matrix, attenuator, delay up to 682,6 ms, compressor, 2-, 3-, 4-way crossover network with filter slopes up to 24 dB/octave and different characteristics (Bessel, Butterworth, Linwitz-Rayley and variable Q) or 6 multifunction filters with selectable filter types parametric equalizer, high-pass, low-pass, all-pass filter, notch-filter, shelv-filters for bass and treble, CD-Horn equalization.

16 preset configurations can be stored in the device independent of the mains and recalled via keypad or remote control, 8 configurations directly available via front panel buttons.

All settings possible without PC software via front panel controls with the help of 2-line LCD. Quick direct access to the level settings and on / off switch and signal indicator for each input and output channel. Access lock on front panel controls individually adjustable.

Software: Configuration and all parameters can be saved to disk; Display of amplitude, phase and elapsed time frequency response; Stereo and universal parameter links; Access lock in 3 levels for each DSP function, inputs, output. Name assignment to configurations and device for a better overview. In real time mode display of the signal level of the inputs and outputs. Programming of remote control parameters.

Possibility of a simple remote control for the configuration selection, mute, and volume control with control input module. Easy control of the system by AMX, Crestron, cue, and other similar units by simply held protocol via RS232C interface.