

24bit/192kHz LATENCY 0.5mS

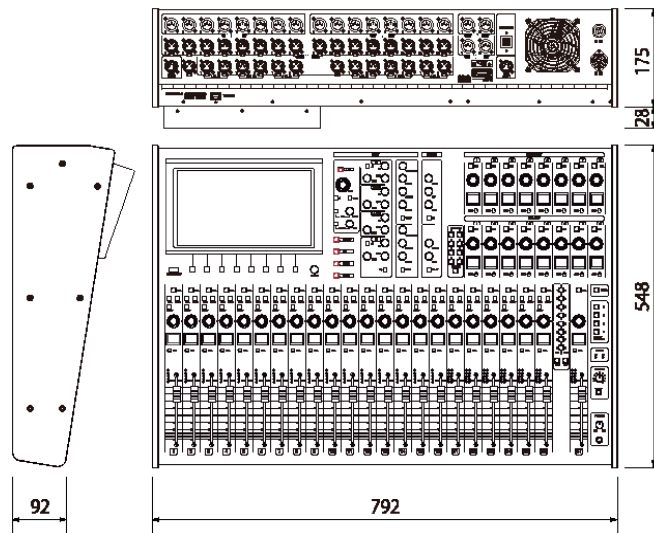
# M2820 DIGITAL MIXING CONSOLE



- Signal Processing : 192kHz / 24bit
- 28 Input / 10 mix Output / 8 matrix Output
- Input: 4band PEQ / Delay / Comp / Gate
- Output: 8band PEQ / Delay
- All Input & Output masters are arranged on the panel
- Direct Send to Mix/MTX control
- LCD ON/OFF Switches
- UNDO Switch
- Direct Recall Switch
- Redundant DC Power
- 8ch Multitrack Recording @ 192kHz / 32bit
- LATENCY 0.5mS (Analog In → Analog Out)



## Dimensions



## Specification

### ■ GENERAL

Mic Input	: 16ch
Line Input	: 12ch (6 Stereo)
Analog Output	: 16ch (MIX OUT 1 ~ 8, MATRIX OUT 1~8)
Digital Audio Out	: USB2.0 High Speed(Asynchronous) 8ch Multitrack (32bit/192kHz)
Stereo Output	: 2ch (L/R)
Monitor Output	: 2ch (L/R)
Others	: Stereo Phone Out, USB port for Save Data, USB port for Digital Audio Out, LAN port for Remote control
Power	: AC100V - 240V (50/60Hz) , DC Redundant Power available
Dimensions	: 792 (W) × 202.5 (H) × 548 (D) mm
Weight	: 19.5kg

### ■ SPECIFICATION

#### < MIC INPUT CHANNEL >

Input Impedance	: approx. 7k $\Omega$
Equivalent input noise	: -128dB
Mix Send	: MIX 1 ~ 8, 8 Mono Send (PRE/POST Switch on each ch), SEND ON/OFF LCD SW
Stereo Send	: L/R (L/R PAN)
Level Meter	: 5 point LED Meter
Others	: CH Select SW, PAN Knob, MIX Send volume Knob, PRE/POST Select SW, ST Send ON/OFF SW, PFL SW, LCD ON/OFF SW

#### < OUTPUT CHANNELS >

Output Impedance	: 50 $\Omega$
MIX OUT	: 1 ~ 8 / Gain: $-\infty \sim +10$ dB variable, CH Select SW, LCD ON/OFF SW, CUE SW, 8 Band PEQ, Delay, Output volume Knob
MATRIX OUT	: Input: MIX 1 ~ 8, L/R OUTPUT: 8 Gain: $-\infty \sim +10$ dB variable, CH Select SW, LCD ON/OFF SW, CUE SW, 8 Band PEQ, Delay, Output volume Knob
Stereo Output	: L/R Gain: $-\infty \sim +10$ dB variable, CH Select SW, LCD ON/OFF SW, CUE SW, 8 Band PEQ, Delay, Output Fader
Monitor Output	: L/R Gain: $-\infty \sim +10$ dB variable volume knob, ON/OFF SW, PHONES volume knob
OSC	: Select SW, Freq variable sine wave, Pink Noise, Output volume Output Select SW (On Main Display)

### ■ ANALOG OUTPUT CHARACTERISTICS

Max Output Level	: +24dBu (Balanced, 600 $\Omega$ load)
Frequency Response	: $\pm 0.5$ dB 20Hz ~ 30kHz (600 $\Omega$ load)
THD + Noise	: 0.01% 20Hz~30kHz (600 $\Omega$ load)

### ■ DISPLAY and OPERATION

MAIN DISPLAY	: WXGA, Effective Display: 212mm x 160mm
< Input Operation >	
Phantom Power	: +48 V Phantom ON/OFF SW
Gain	: up to +60dB variable, -20dB PAD SW
Equalizer	: 4 Band PEQ, IN/OUT SW
High	: Shelving/Peaking Select SW (Gain, BW, Freq variable)
Hi-Mid/Low-Mid	: Peaking Type (Gain, BW, Freq variable)
Low	: Shelving/Peaking Select SW (Gain, BW, Freq variable)
HPF	: -24dB/Oct, cut off Freq variable, IN/OUT SW
Delay	: 0.01ms ~ 40ms, Resolution: 0.01ms, IN/OUT SW
Compressor	: THRESHOLD, RATIO, ATTACK, DECAY knob, IN/OUT SW
Gate	: THRESHOLD, ATTACK, DECAY knob, IN/OUT SW
< Output Operation >	
Equalizer	: 8 Band PEQ Freq Select SW, ON/OFF SW
Gain	: $\pm 15$ dB (0.5dB step)
Frequency	: 1/24 Octave Steps
Bandwidth	: 0.1 ~ 30.0 (G)
Delay	: 0.01ms ~ 600ms, Resolution: 0.01ms, IN/OUT SW
SEND	: MIX 1 ~ 8 Select SW, PAN Select SW
< Memory Operation >	
	: Memory Save, Memory Recall, 4 Direct Recall SW
< Others >	: UNDO SW, FLIP Select SW, Main Display inter-connected SW (8 Switches)