



Yamaha DM2000 Professional Digital Console



Total # Of Inputs

56 Total inputs: 24 balanced 1/4" TRS, channels 1-16 are mono, 17-24 are stereo paired.

16 XLR Head Amplifiers, Up to 32 additional inputs and outputs of **optional YGDAI expansion cards**

Mic/Line Inputs

24 balanced 1/4" TRS line, 16 XLR balanced mic/line switchable inputs

Main/Monitor Out

"**Stereo Out**" (L/R): balanced XLR +4dB (1.23V), unbalanced RCA -10dBv (0.316V)

"**Studio Monitor Out**" (L/R): balanced 1/4" TRS Phone +4dB (1.23V)

"**C-R Monitor Out**" (L/R): balanced 1/4" TRS Phone +4dB (1.23V)

AUX Sends :8 AUX Sends: Internal AUX sends are pre-routed to the 2 internal effects processors, 8 1/4" Phone "Omni Out" jacks can be used to feed signal to external processors.

AUX Returns

Returning effects from external processors is permitted via any input channel (1-24).

The optional I/O card inputs can be used as external AUX returns as well.

Inserts

16 MIC/LINE Inserts located on channels 1-16: 1/4" Phone jack connector, -6dB sensitivity, +0/4dB nominal



Digital I/O Options

MY8AD96 96 kHz 8-channel line-level analog input card

MY8DA96 96 kHz 8-channel analog output card

MY8AE96 96 kHz 8-channel AES/EBU digital format I/O

MY8AE96S 8-channel AES/EBU digital format I/O with sample rate conversion

MY8AT 8-channel ADAT digital format I/O (optical connectors)

MY8TD 8-channel TDIF digital format I/O (25-pin D-SUB connector)

MY8AD24 8-channel 24-bit analog inputs on balanced 1/4" connectors

MY4AD 4-channel 24-bit analog inputs on XLR connectors

MY4DA 4-channel 20-bit analog outputs on XLR connectors

AP8DA 8-channel Apogee 24-bit analog outputs (25-pin D-sub connector)

AP8AD 8-channel Apogee 24-bit analog inputs (25-pin D-sub connector)

2 Trk Master I/O

Output: L/R XLR balanced (stereo) +4dB, L/R RCA unbalanced (stereo) -10dBv,

Input: L/R 1/4" TRS (stereo) +4dB, L/R RCA unbalanced (stereo) -10dBv

Stereo Digital I/O

Output: AES/EBU and S/PDIF,

Input: AES/EBU and S/PDIF x2

Word Clock I/O

BNC connectors TTL / 75 ohms

RS/To Host Port

RS422 D-SUB Half Pitch Connector 68pin (female)

MIDI Ports

MIDI IN, OUT, THRU 5pin Din connectors (conform to MIDI specifications)

EQ Section

4 band parametric on all channels. Type I or Type II switchable



Trim/Gain Range

44dB (-60 to -16) MIC/LINE 1-16, 44dB (-40 to +4) LINE 17/18 through 23/24

Solo/Mute Soloing/Muting of every input channel, AUX send, bus and stereo output.

Channel Level Control 100mm motor-driven touch sensitive faders

Phantom Power 48V Phantom power (inputs 1-16)

Metering Backlit LCD display. Stereo **Optional MB02R96** Meter Bridge available.

Internal Signal Processing :32 bit internal processing

Sampling Frequency Internal: 44.1kHz, 48kHz, 88.2kHz, 96kHz

External Normal Rate: 44.1kHz-10% 48kHz +6% Double rate: 88.2kHz-10% 96kHz +6%

MemoryScene (total recall) locations 99,

Ch Library locations 127 (2 preset),

EQ Library locations 160 (40 preset),

Dynamics Library (Compression) locations 93 (36 preset),

Dynamics Library (Gate) locations 124 (4 preset),

Effect Library locations 76 (52 preset),

Surround Monitor Library locations 32 (1 preset),

Input Patch Library locations 32 (1 preset),

Output Patch Library locations 32 (1 preset),

Bus to Stereo Library locations 32 (1 preset)

AD/DA Conversion :24-bit 96kHz Dynamic Range: 105dB typical FS=48 or 96kHz

Frequency Response :(CH INPUT to STEREO OUT)

Fs=48kHz: 0.5, -1.5dB 20Hz -20kHz @+4dB into 600 ohms

Fs=96kHz: 0.5, -1.5dB 20Hz to 40kHz @+4dB into 600 ohms

Total Harmonic Distortion (THD)

(CH INPUT to STEREO OUT) **Fs=48(96)kHz** 0.01% 1kHz @ +18dB into 600 ohms

Signal-to-Noise Ratio :-128dB (EIN: Equivalent Input Noise) -92dB

(Residual Output Noise)@ STEREO OUT off

Power :USA and Canada: 120V AC, 60Hz / 200W, general: 230V AC, 50Hz / 200W

Dimensions (WxHxD) :35.66 x 10.11 x 32.32" (906 x 257 x 821mm)

Weight : 43kg (94.79 lbs)