

DM-3200 • DM-4800

Digital Mixing Consoles

TASCAM 
TEAC PROFESSIONAL

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Audio performance	
THD (maximum level, 1 kHz, TRIM minimum, 20 Hz – 22 kHz)	< 0,005 %
LINE IN to INSERT SEND	< 0,008 %
LINE IN to STEREO OUTPUT	< 0,008 %
Frequency response (nominal level, 1kHz, TRIM minimum)	
MIC/LINE to INSERT SEND, 44.1/48kHz	20 Hz – 20 kHz, 0,5 dB/-1,0 dB
MIC/LINE to INSERT SEND, 88.2/96kHz	20 Hz – 40 kHz, 0,5 dB/-1,5 dB
MIC/LINE to STEREO OUTPUT, 44.1/48kHz	20 Hz – 20 kHz, 0,5 dB/-1,0 dB
MIC/LINE to STEREO OUTPUT, 88.2/96kHz	20 Hz – 40 kHz, 0,5 dB/-1,5 dB
Noise level (20 Hz – 22 kHz, TRIM max, 150 Ohm)	
MIC in (PAD off) to INSERT SEND (A-weighted)	< -128 dB(A) (Equivalent Input Noise)
STEREO OUT (no input assigned)	< -83 dBu
ASSIGNABLE RETURN to ASSIGNABLE SEND	< -85 dBu
2TR IN to CR OUTPUT (CR max, 0dB)	< -78 dBu
2TR IN to STUDIO OUT (STUDIO OUT 0dB)	DM-3200: < -88 dBu DM-4800: < -84 dBu
Crosstalk (STEREO/BUSS/AUX/MONITOR OUTPUTS, 1kHz)	> 90 dB

Power supply and other specifications	
Voltage requirements	230 V AC, 50 Hz
Power consumption	DM-3200: 65 W DM-4800: 90 W
Overall dimensions (W x D x H) including rest	
	DM-3200: 700 x 824 x 230 mm DM-4800: 933 x 824 x 230 mm
Weight	DM-3200: 24 kg DM-4800: 35 kg
Displays	Backlit 320 x 240 LCD with contrast control, 2 x 12-segment LED meters
Faders	17 x 100-mm stroke, motor-driven touch-sensitive faders
Supplied accessories	Power cord, Quick Reference Guide, CompactFlash memory card, USB cable, CD-ROM
Mitgeliefertes Zubehör	Netzkaabel, Schnelleinstieg, CompactFlash-Karte, USB-Kabel, CD-ROM



DM-3200



DM-4800

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TASCAM  DM-3200 • DM-4800 Digital Mixing Consoles

DM-3200 and DM-4800 are fully equipped digital mixers with 48 respectively 64 mixing channels for the professional user. With a weight of only 24 respectively 35 kilograms they are in fact among the most powerful transportable digital consoles available today. More than that, these mixers offer more conveniences than similar models: With the DM-4800, for instance, the so-called full-channel section allows the most important channel parameters like dynamics, EQ settings, aux levels and panning to be manipulated with dedicated controls. Motorised channel faders and rotary encoders with ring LED indicators additionally give access to virtually any module setting available, thus making the DM series not only perfect for the studio but also easy-to-use mixers for live applications.

16 respectively 24 analogue inputs with studio-grade mic preamps are enough for a live event, and more can be added using an analogue expansion card. TDIF and ADAT digital inputs and outputs are also available and can be expanded if required. A fully configurable 16/24-bus routing system allows users to re-patch the board at the flick of a switch.

Both models fit seamlessly into the modern recording environment based around a computer DAW. A Remote layer with 16/24 faders and rotary encoders, machine control and further direct access keys provides a convenient control surface for many popular recording applications.

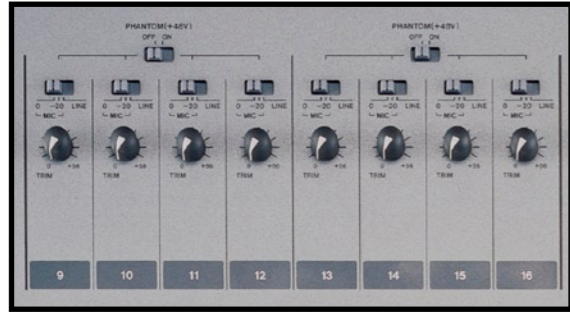
www.tascam-europe.com

TASCAM Division, TEAC Europe GmbH, Bahnstr. 12, 65205 Wiesbaden, Germany
TEAC UK Ltd., Suites 19 & 20, Building 6, Croxley Green Business Park, Hatters Lane, Watford, Hertfordshire, WD18 8TE, UK

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Both consoles shown with optional MU-1000 meterbridge

Analogue input section with switchable phantom power for groups of four channels, Mic/Line switches and trim controls. The DM-3200 has 16 analogue inputs while the DM-4800 offers 24 analogue inputs.



The Display with quick access buttons for frequently used setting pages, cursor keys and data wheel. With the four encoders and buttons below the screen, you can modify single parameters currently shown on the display.

The Routing section allows you to assign a channel to one or more busses and/or the stereo bus. With the DIRECT button you can use a channel as direct output. Library buttons for saving and recalling settings are located on the lower right.



Multi-functional encoders with LED rings give quick access to a single parameter in multiple channels. Bottom: Buttons for channel selection, soloing and muting.



Options
 MU-1000: Meterbridge with Timecode display
 IF-AN/DM: 8-channel analogue I/O card
 IF-TD/DM: 8-channel TDIF-1 I/O card
 IF-AD/DM: 8-channel ADAT I/O card
 IF-AE/DM: 8-channel AES/EBU I/O card
 IF-SM/DM: Surround monitor card
 IF-FW/DM MKII: FireWire card



This area is available on the DM-4800 only: The full-channel section gives you direct access to important channel parameters like dynamics, EQ, Aux sends and pan.



Mixer section	DM-3200	DM-4800
Mixing channels	48	64
Full/simple channels	32/16	48/16
Busses	16	24
Auxes	8	12
Physical channel strips with touch-sensitive motorised faders and encoders with ring LED indicators	16	24
Master channel with touch-sensitive motorised fader	Yes	Yes
Full-channel section for direct access to all channel parameters	No	Yes
Mixer layers	Channels 1–16 Channels 17–32 Returns 1–16 Busses 1–16 Auxes 1–8	Channels 1–24 Channels 25–48 Channels 49–64 Busses 1–24 Auxes 1–12
Remote layer for DAW control	Yes	Yes
Fully parametric 4-band EQ on each full channel	Yes	Yes
Kompressor/expander/gate on each full channel	Yes	Yes
Effects processors	2	2
Reverb by TC Works	Yes	Yes
Surround capability	Panning up to 6.1	3 configurations
Integrated automation	Yes	Yes
Total recall by project management	Yes	Yes
Built-in talkback microphone	Yes	Yes

Inputs and outputs	DM-3200	DM-4800
Balanced Mic/Line inputs with phantom power and 20dB PAD	16 (XLR)	24 (XLR)
Balanced Line inputs	16 (TRS)	24 (TRS)
Inserts (unbalanced)	16 (TRS)	24 (TRS)
Assignable sends and returns	4	8
Master output	1 (XLR)	1 (XLR)
2-track input	1 (RCA)	1 (RCA)
Monitor outputs	1 x Studio (RCA), 1 x Control Room (TRS)	2 x Control Room for large/small monitors, 1 x Studio (all TRS), six selectable sources
Headphones outputs	2	2
AES/EBU inputs/outputs	2 (XLR)	2 (XLR)
SPDIF inputs/outputs	2 (coaxial)	2 (coaxial)
ADAT input/output (optical, 8 channels)	1	1
TDIF-1 inputs/outputs	3 (24 channels)	3 (24 channels)
Slots for optional expansion cards	2	4
Wordclock input/output (BNC)	1	1
Timecode input (RCA)	1	1
MIDI In/Out/Thru, MTC output	Yes	Yes

General	DM-3200	DM-4800
Sampling rates	44,1/48 kHz 88,2/96 kHz (24-bit)	44,1/48 kHz 88,2/96 kHz (24-bit)
Same mixing specifications in 96kHz and 48kHz modes	Yes	Yes
Machine control	Yes	Yes
GPI functionality	8 outputs	8 outputs
Cascade option for combining two mixers	Yes	Yes
Meterbridge	optional	optional
Surround monitoring	with optional expansion card	with optional expansion card
Saving/loading internal data	CompactFlash memory card	CompactFlash memory card
DAW interconnection	via optional FireWire expansion card	via optional FireWire expansion card
Tascam Mixer Companion software for Windows XP and Mac OS X	included	included
Driverless USB connection to computer	Yes	Yes
Data backup/restore with computer via USB	Yes	Yes
Foot switch connector for hands-free operation of selected functions	Yes	Yes
RS-422 serial port for control of external equipment	Yes	Yes



IF-FW/DM MKII
 FireWire card for 32-channel interconnection with DAWs