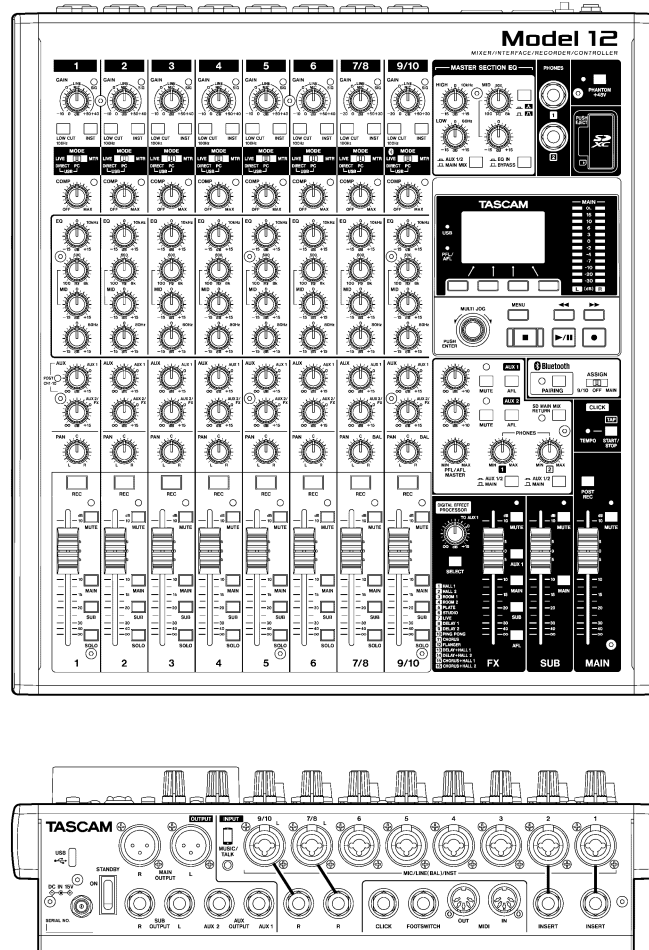


Product Spec Sheet
Multitrack Recording Console
Model 12



■ **Specifications**

General

• **Supported media**

- SD cards (Class 10 or more)
- SDHC cards (Class 10 or more)
- SDXC cards (Class 10 or more)

• **File System**

- SD card: FAT16
- SDHC card: FAT32
- SDXC card: exFAT

• **Recording file formats**

- WAV (BWF): 44.1/48 kHz, 16/24-bit (Maximum file size: 2 GB)

• **Playback file formats**

- WAV (BWF): 44.1/48 kHz, 16/24-bit

• **Recordable Channel**

- Max. 12 channels (10 ch + 2 stereo mix)

Inputs and outputs

Analog audio input and output ratings

•MIC input jacks (1–6, 7, 9)

Connectors:	XLR-3–31 (1: GND, 2: HOT, 3: COLD)
Maximum input level:	+10 dBu
Nominal input level:	–8 dBu
Minimum input level:	–58 dBu
Gain adjustment range:	0 – 50 dB
Input impedance:	1.8 k Ω

•LINE (BAL)/INST input jacks (1–6)

Connectors:	6.3 mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
Maximum input level:	+22 dBu (LINE)/19.8 dBV (INST)
Nominal input level:	+4 dBu (LINE)/1.8 dBV (INST)
Gain adjustment range:	–10 – +40 dB
Input impedance:	22 k Ω (LINE)/1 M Ω (INST)

•L/MONO (BAL)/INST input jacks (7, 9)

Connectors:	6.3 mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
Maximum input level:	+22 dBu (LINE)/19.8 dBV (INST)
Nominal input level:	+4 dBu (LINE)/1.8 dBV (INST)
Gain adjustment range:	–20 – +30 dB
Input impedance:	18 k Ω (LINE)/1 M Ω (INST)

•R (BAL) input jacks (8, 10)

Connectors:	6.3 mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
Maximum input level:	+22 dBu
Nominal input level:	+4 dBu
Gain adjustment range:	–20 – +30 dB
Input impedance:	18 k Ω

•INSERT jacks (1–2)

Connectors:	6.3 mm (1/4") standard TRS jacks (Tip: SEND, Ring: RETURN, Sleeve: GND)
RETURN (Ring)	
Nominal input level:	0 dBu
Maximum input level:	+18 dBu
Input impedance:	5 k Ω
SEND (Tip)	
Nominal output level:	0 dBu
Maximum output level:	+18 dBu
Output impedance:	100 Ω

•MUSIC/TALK jack (9/10)

Connector:	3.5 mm (1/8") 4-pole mini jack (Tip: L, Ring1: R, Ring2: GND, Sleeve: MIC)
Maximum input level:	+8 dBV
Nominal input level:	–10 dBV
Input impedance:	10 k Ω

•MAIN OUTPUT L/R jacks

Connectors:	XLR-3–32 (1: GND, 2: HOT, 3: COLD)
Nominal output level:	+4 dBu
Maximum output level:	+22 dBu
Output impedance:	200 Ω

•SUB OUTPUT L/R jacks

Connectors:	6.3 mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
Nominal output level:	–2 dBu
Maximum output level:	+16 dBu
Output impedance:	200 Ω

•AUX OUTPUT AUX 1/2 jacks

Connectors:	6.3 mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
Nominal output level:	-2 dBu
Maximum output level:	+16 dBu
Output impedance:	200 Ω

•PHONES jack

Connector:	6.3 mm (1/4") standard stereo jack
Maximum output:	45 mW + 45 mW (32 Ω load)

Control input/output**•USB port**

Connector:	4-pin USB C-type
Protocol:	USB 2.0 HIGH SPEED (480 Mbps)

•CLICK jack

Connector:	6.3 mm (1/4") standard TS jacks (Tip: HOT, Sleeve: GND)
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•FOOTSWITCH jack

Connector:	6.3 mm (1/4") standard TRS jacks (Tip: FOOTSW1, Ring: FOOTSW2, Sleeve: GND, Unlatch type correspondence)
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•MIDI OUT connector

Connector:	5-pin DIN
Format:	standard MIDI

•MIDI IN connector

Connector:	5-pin DIN
Format:	standard MIDI

Computer system requirements

Check the TEAC Global Site (<http://teac-global.com/>) for the latest information about supported operating systems.

Windows**•Supported operating systems**

Windows 10 32-bit
Windows 10 64-bit
Windows 8.1 32-bit
Windows 8.1 64-bit
Windows 7

(Operation has been confirmed with the final version of Windows 7.)

Windows 7 32-bit SP1 or later

Windows 7 64-bit SP1 or later

•Computer hardware requirements

Windows computer with a USB 2.0 (or higher) port

•CPU/processor speed

2 GHz or faster dual core processor (x86)

•Memory

2 GB or more

ATTENTION

Operation of this unit was confirmed using standard computers that meet the above requirements. This does not guarantee operation with all computers that meet the above requirements. Even computers that meet the same system requirements might have processing capabilities that differ according to their settings and other operating conditions.

Mac

•Supported operating systems

- macOS Catalina (10.15)
- macOS Mojave (10.14 or later)
- macOS High Sierra (10.13 or later)

•Computer hardware requirements

- Mac with a USB 2.0 (or higher) port

•CPU/processor speed

- 2 GHz or faster dual core processor

•Memory

- 2 GB or more

iOS device

Operation has been confirmed with Apple devices running the following iOS versions.

- iOS 13
- iOS 12
- iOS 11

Supported audio drivers

•Windows

- ASIO2.0, WDM

•Mac

- Core Audio

•iOS device

- Core Audio for iPhone

Audio performance

•S/N ratio

- 103 dB (MAIN MIX & 1Ch 0 dB, 22 kHz, A-weighted)

•Equivalent input noise (EIN)

- 128 dBu ($R_s = 150 \Omega$ MIC IN → INSERT SEND, gain knob at MAX, A-weighted)

•Total harmonic distortion ratio (THD+N)

- 0.003% (MONO MIC IN → MAIN OUT, +2 dBu, 1 kHz, gain knob at MIN)

•Frequency response

- 20 Hz to 20 kHz (+0.1/-0.15 dB, 1 kHz, MIC IN → MAIN OUT)

•Crosstalk

- (PAN knobs turned completely left or right, 1 kHz)

Between channels: -95 dB

Between input and output: -95 dB

•Maximum gain

- (All GAIN knobs maximized, PAN knobs turned completely left or right, EQ knobs and MASTER SECTION EQ knobs at middle positions)

MIC → MAIN OUT: 74 dB

MIC → INSERT OUT: 54 dB

MIC → SUB OUT: 74 dB

MIC → AUX OUT: 75 dB

USB/SD → MAIN OUT: 24 dB

Bluetooth

•Bluetooth version: 5.0

- Output class: 2 (about 10 m* unobstructed transmission distance)

- Supported profiles: A2DP

Supported A2DP codecs: SBC, AAC
 Supported A2DP content protection: SCMS-T

* The transmission distance is only an estimate and might vary depending on the surrounding environment and radio wave conditions.

Other

•Power

Dedicated AC adapter (PS-M1524A)
 Input voltage: AC 100 – 240 V~, 50/60 Hz
 Output voltage: DC 15 V==
 Output current: 2.4 A

•Power consumption

16 W

•Dimensions

343.0 × 98.8 × 360.0 mm (W x H x D, including protrusions)

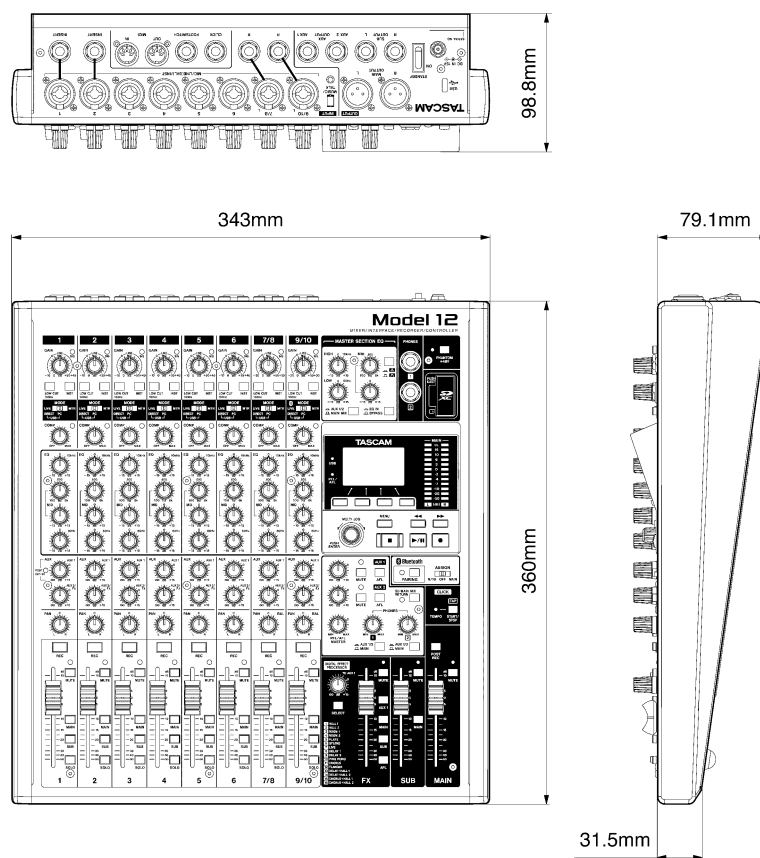
•Weight

4.3 kg

•Operating temperature range

5 – 35°C (41 – 95°F)

■ Dimensional drawings



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