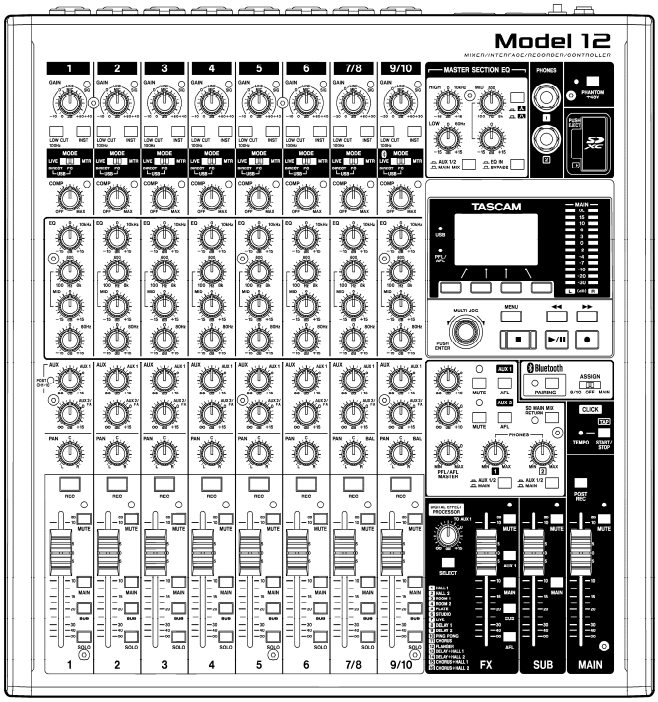
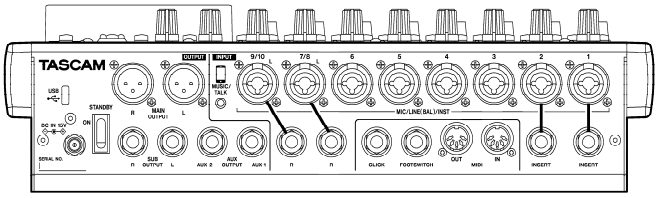
Oct, 2021

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 kΩ

・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 kΩ(LINE)/1 MΩ(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 kΩ(LINE)/1 MΩ(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 kΩ

・INSERT jacks (1-2)

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

・MAIN OUTPUT L/R jacks

Connectors:	XLR-3-32 (1: GND, 2: HOT, 3: COLD)
Maximum output level:	+22 dBu
Nominal output level:	+4 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)
Maximum output level:	+16 dBu
Nominal output level:	-2 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)
Maximum output level:	+16 dBu
Nominal output level:	−2 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)

・FOOTSWITCH jack

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

・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*
　　Windows 7 32-bit SP1 or later
　　Windows 7 64-bit SP1 or later

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

・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.

iPadOS 13
iOS 13
iOS 12
iOS 11

ATTENTION

To connect an iOS device that has a Lightning connector, a genuine Apple Lightning to USB Camera Adapter (sold separately) is necessary.

Supported audio drivers

・Windows

ASIO2.0, WDM

・Mac

Core Audio

・iOS divice

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 (Rs = 150 Ω 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 (+0.3/−0.7 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