Jul, 2024

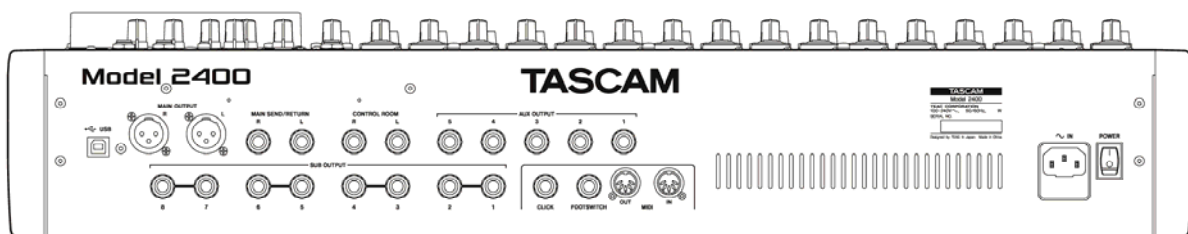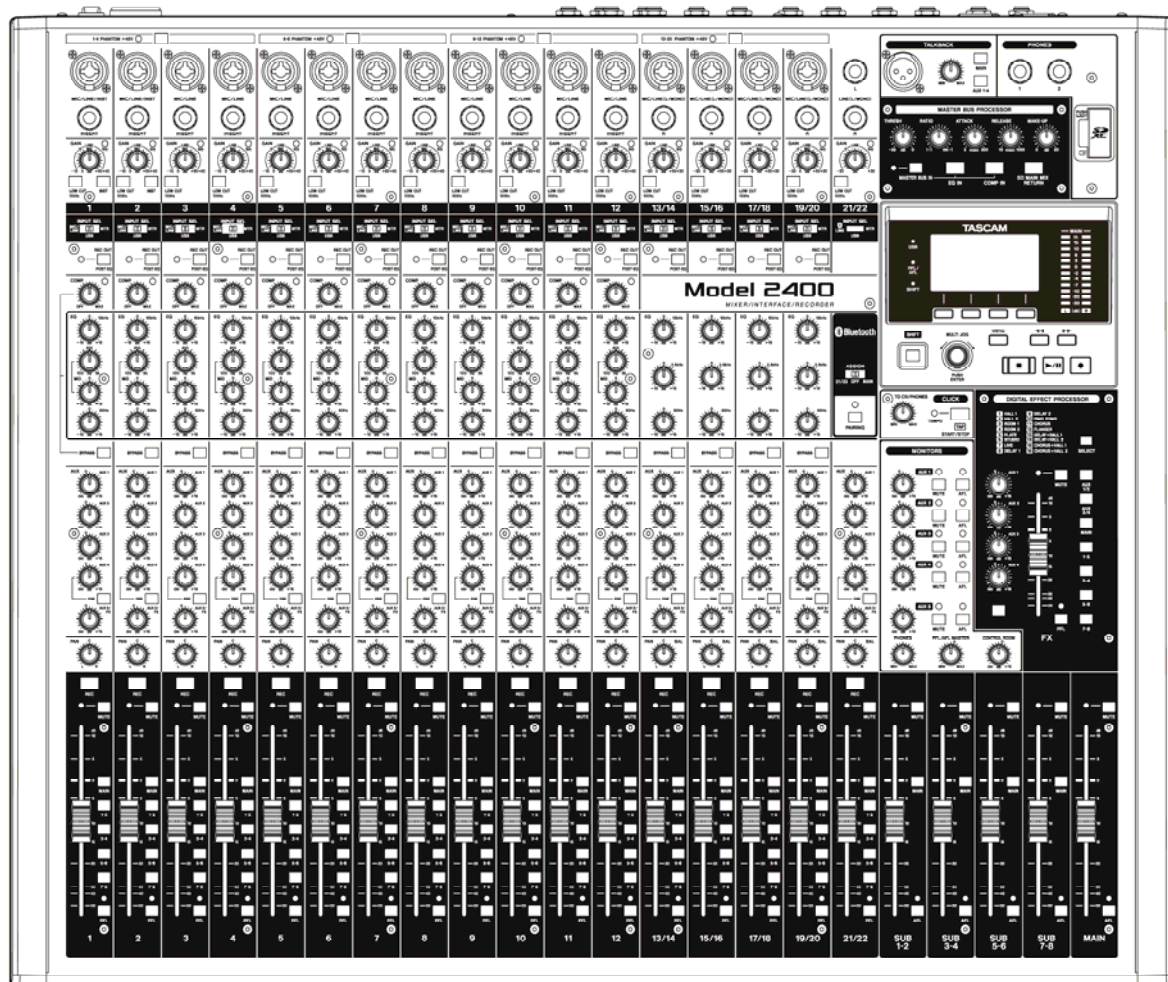# Product Spec Sheet
Multitrack Recording Console
Model 2400

■ **Specifications**

Recorder specifications

Supported media

SD cards (Class 10 or higher)

SDHC cards (Class 10 or higher)

SDXC cards (512 GB maximum, Class 10 or higher)

File System
SD card:	FAT16
SDHC card:	FAT32
SDXC card:	exFAT

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

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

Recordable Channel
Max. 24 channels (22ch + 2 stereo mix)

Inputs and outputs

Analog audio input and output ratings

MIC input jacks (1-12, 13, 15, 17, 19)
Connectors:	XLR combo jacks
	XLR-3-31 equivalent (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:	1.9 kΩ (1-12), 2.4 kΩ (13, 15, 17, 19)

LINE/INST input jacks (1-2)
Connectors:	6.3mm (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)

LINE input jacks (3-12)
Connectors:	6.3mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
Maximum input level:	+22 dBu
Nominal input level:	+4 dBu
Gain adjustment range:	−10 − +40 dB
Input impedance:	22 kΩ or higher

LINE L/MONO, R input jacks (13/14-21/22)
Connectors:	6.3mm (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:	11 kΩ or higher (Mono),
	22 kΩ or higher (Stereo)

INSERT jacks (1-12)
Connectors:	6.3mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)

RETURN (Ring)
Maximum input level:	+18 dBu
Nominal input level:	0 dBu
Input impedance:	15 kΩ

SEND (Tip)
Maximum output level:	+18 dBu
Nominal output level:	0 dBu
Output impedance:	100 Ω

TALKBACK input jack

Connectors:	XLR-3-31 equivalent (1: GND, 2: HOT, 3: COLD)
Maximum input level:	—22 dBu
Minimum input level:	—65 dBu
Gain adjustment range:	52 dB
Input impedance:	2.6 kΩ or higher

MAIN OUTPUT L/R jacks

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

MAIN SEND/RETURN L/R jacks

Connectors:	6.3mm (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:	9 kΩ or higher

SEND (Tip)

Maximum output level:	+18 dBu
Nominal output level:	0 dBu
Output impedance:	100 Ω

CONTROL ROOM L/R jacks

Connectors:	6.3mm (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 jacks (1–5)

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

SUB OUTPUT jacks (1–2/3–4/5–6/7–8)

Connectors:	6.3mm (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

Connectors: 6.3mm (1/4") standard stereo jack

Maximum output: 80mW + 80mW (32Ω load)

Control input/output

USB port

Connector:	USB Type-B
Protocol:	USB 2.0 HIGH SPEED (480 Mbps)

CLICK jack

Connector:	6.3mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)

FOOTSWITCH jack

Connector:	6.3mm (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

Operating system and computer requirements

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

ATTENTION

Operation with each OS was confirmed with standard system setups that met the following conditions. Operation is not guaranteed, however, with all systems that meet the following conditions.

Windows

Supported operating systems

Windows 11

Windows 10 64–bit

Computer hardware requirements

Windows computer with a USB 2.0 (or higher) port

・Using the TASCAM driver

・Operation not guaranteed with ARM64 CPUs

Mac

Supported operating systems

macOS Sonoma (14)

macOS Ventura (13)

Computer hardware requirements

Mac with a USB 2.0 port

iOS/iPadOS devices

iOS 17/iPadOS 17

iOS 16/iPadOS 16

NOTE

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

A USB cable is necessary when connecting to an iOS device that has a USB Type–C connector.

Settings Panel (application)

Windows

Windows 11

Windows 10 64–bit

Mac

macOS Sonoma (14)

macOS Ventura (13)

Screen resolution/number of colors

1280 × 720 or higher

True Color (32–bit) recommended

Audio performance

Noise

Residual output noise (22 kHz, A–weighted)

MAIN MIX OUT : (ALL Fader MIN, MAIN MIX OFF) −100 dBu

Equivalent input noise (EIN)
−128 dBu (Rs = 15 Ω, MIC IN w INSERT SEND, gain knob at MAX, A−weighted)

Total harmonic distortion ratio (THD+N)
(GAIN knob at MIN, 1kHz)
MIC IN → MAIN OUT:	0.01% or less
MIC IN → MAIN OUT:	0.004% @ (+2 dBu, BYPASS switches on)

Frequency response
(All GAIN knobs minimized, 1 kHz)
20Hz to 30kHz (+0.5/−1.0dB: Analog)
20Hz to 20kHz (+0.5/−1.0dB: Digital)

Crosstalk
(1 kHz BPF)

Between channels: −80 dB

Maximum gain
(All GAIN knobs maximized, PAN knobs turned completely left or right, BYPASS switches on, MASTER BUS IN switch off)
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

Recording times

Recording format	Recording time (hours: minutes) for 32GB card
16−bit/44.1 kHz WAV, 24 tracks	4:10
16−bit/48 kHz WAV, 24 tracks	3:50
24−bit/44.1 kHz WAV, 24 tracks	2:47
24−bit/48 kHz WAV, 24 tracks	2:33

●The recording times shown above are estimates. They might differ depending on the SD card in use.

Bluetooth
Bluetooth version: 5.1
Output class:	2 (about 10m* 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
AC100−240V, 50/60 Hz
Power consumption
65W
Dimensions
With side panels
680.5 × 132.5 × 568.0 mm (W x H x D, including protrusions)
Without side panels
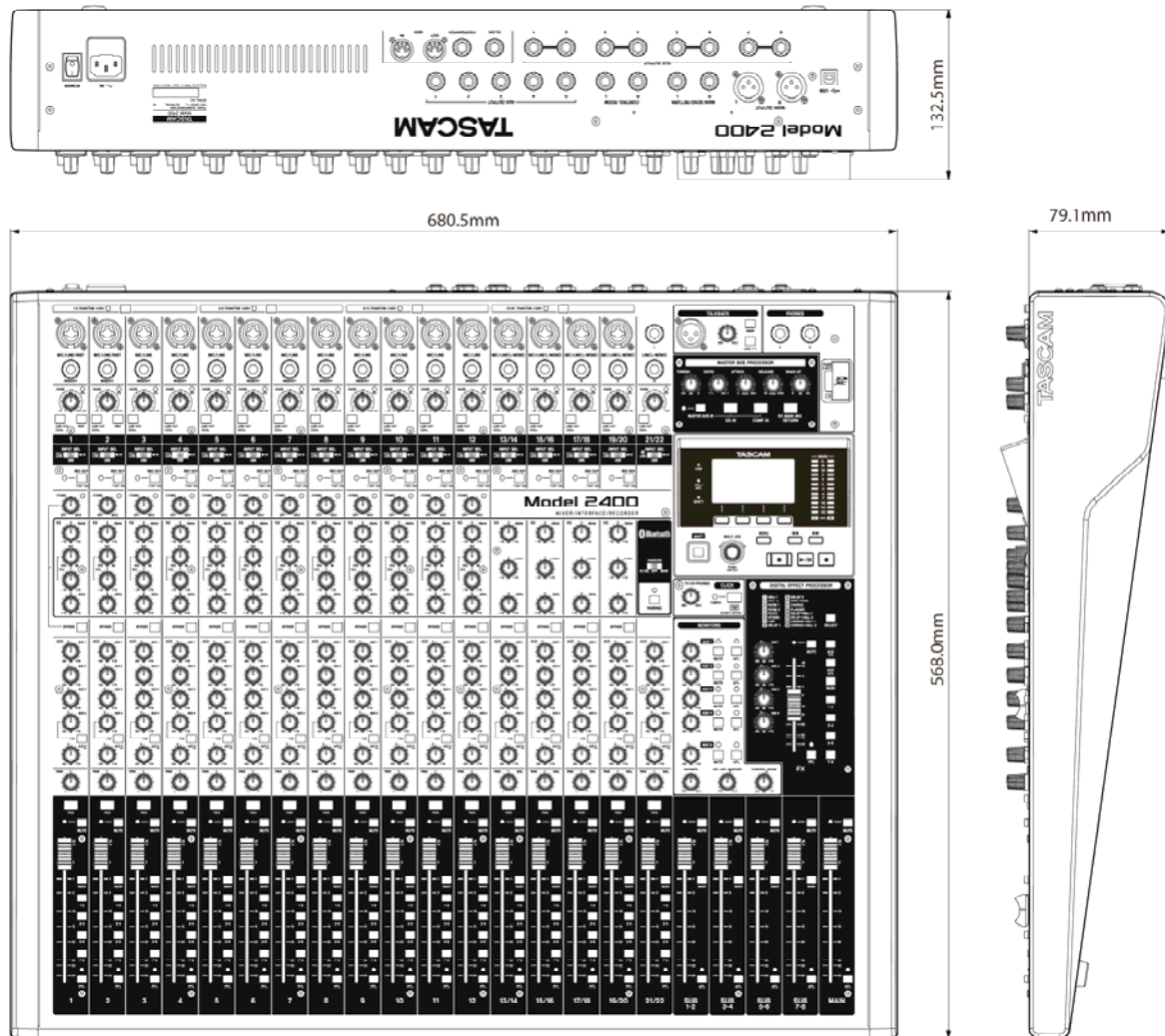638.5 × 132.5 × 568.0 mm (W x H x D, including protrusions)

Weight

14kg

Guaranteed operating temperature range

0 – 40° C (32 – 104° F)

Guaranteed operating humidity range

5 – 85% (without condensation)

■Dimensional drawings

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※All information included in this document is as of Jul, 2024.