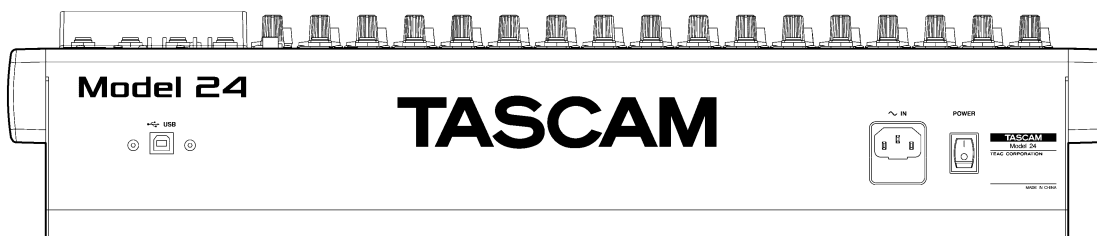
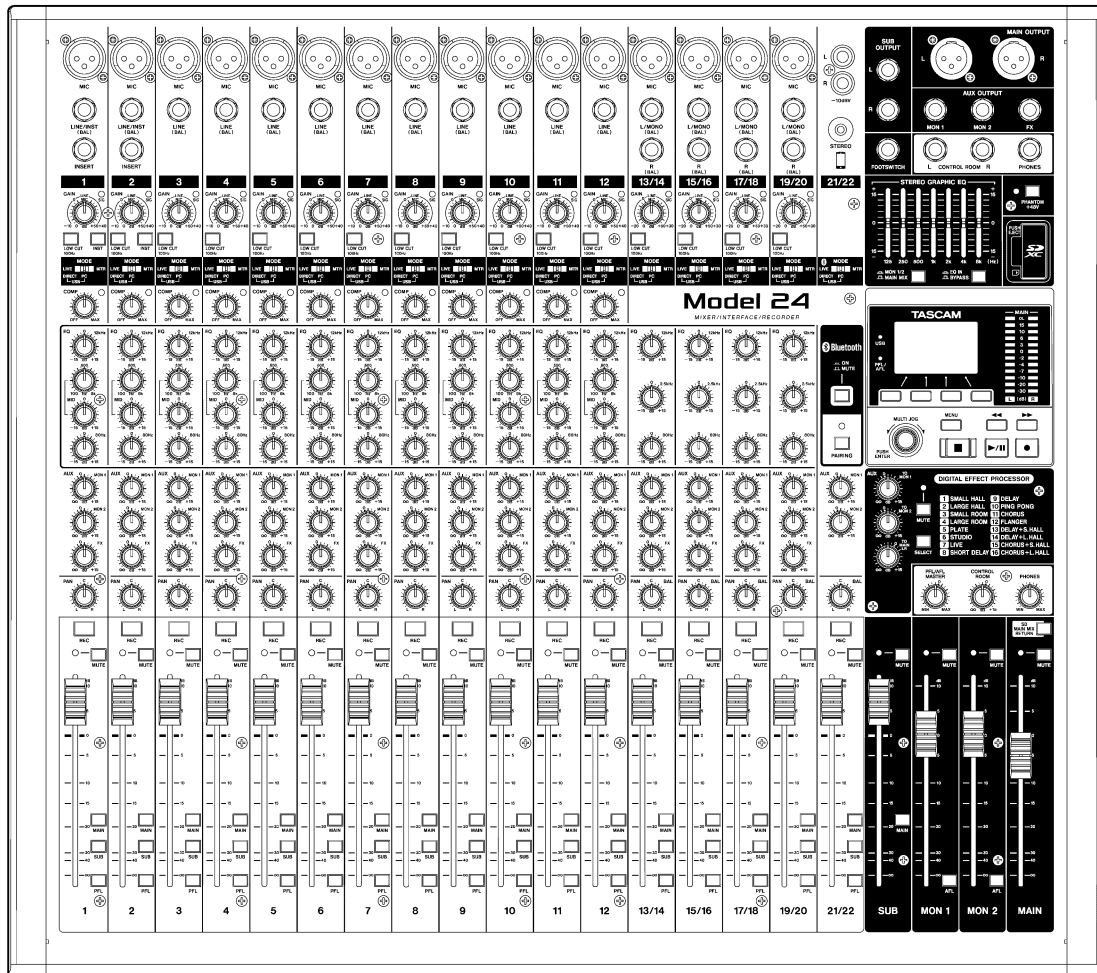


Product Spec Sheet
Multitrack Live Recording Console
Model 24



■ **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):	44.1/48kHz, 16/24-bit (Maximum file size: 2 GB)
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•Playback file formats

WAV (BWF):	44.1/48kHz, 16/24-bit
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•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-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/INST (BAL) input jacks (1–2)

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:	–0 – +40 dB
Input impedance:	22 k Ω (LINE)/1 M Ω (INST)

•LINE (BAL) 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:	–0 – +40 dB
Input impedance:	22 k Ω

•L/MONO (BAL) / R (BAL) input jacks (13/14–19/20)

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:	22 k Ω

•INSERT jacks (1–2)

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

Nominal input level:	0 dBu
Maximum input level:	+18 dBu
Input impedance:	10 k Ω

SEND (Tip)

Nominal input level:	0 dBu
Maximum input level:	+18 dBu
Input impedance:	100 Ω

•–10dBV input jack (21/22)

Connectors:	RCA pin jacks
Maximum input level:	+8 dBV
Nominal input level:	–10 dBV
Input impedance:	10 k Ω

•STEREO input jacks (21/22)

Connector:	3.5mm stereo mini jack
Maximum input level:	+8 dBV
Nominal input level:	-10 dBV
Input impedance:	10 k Ω

•MAIN OUTPUT connectors

Connectors:	XLR-3-32 (1: GND, 2: HOT, 3: COLD)
Rated output level:	+4 dBu
Maximum output level:	+22 dBu
Output impedance:	100 Ω

•SUB OUTPUT connectors

Connectors:	6.3mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
Rated output level:	-2 dBu
Maximum output level:	+16 dBu
Output impedance:	100 Ω

•MON 1 / MON 2 AUX OUTPUT connectors

Connectors:	6.3mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
Rated output level:	-2 dBu
Maximum output level:	+16 dBu
Output impedance:	100 Ω

•FX AUX OUTPUT connectors

Connectors:	6.3mm (1/4") standard TS jacks (Tip: HOT, Sleeve: GND)
Rated output level:	-2 dBu
Maximum output level:	+16 dBu
Output impedance:	100 Ω

•CONTROL ROOM L/R connectors

Connectors:	6.3mm (1/4") standard TRS jacks (Tip: HOT, Ring: COLD, Sleeve: GND)
Rated output level:	-2 dBu
Maximum output level:	+16 dBu
Output impedance:	100 Ω

•PHONES jack

Connectors:	6.3mm (1/4") standard stereo jack
Maximum output:	80mW + 80mW (32 Ω load)

Control input/output**•FOOTSWITCH jack**

Connectors:	6.3mm (1/4") standard TS jacks (Tip: HOT, Sleeve: GND, Unlatch type correspondence)
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•USB port

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

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 32-bit SP1 or later
Windows 7 64-bit SP1 or later
(Windows 8, Windows Vista and Windows XP are not supported)

•Computer hardware requirements

Windows computer with a USB 2.0 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 High Sierra (10.13 or later)

macOS Sierra (10.12 or later)

OS X El Capitan (10.11 or later)

•Computer hardware requirements

Mac with a USB 2.0 port

•CPU/processor speed

2 GHz or faster dual core processor

•Memory

2 GB or more

Supported audio drivers**•Windows**

ASIO2.0, WDM

•Mac

Core Audio

Audio performance**•Noise**

Residual output noise (22kHz, A-weighted)

MAIN MIX OFF: -100 dBu

MAIN MIX -0dB, 1ch-0dB: -80 dBu

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)

(GAIN knob at MIN, 1kHz)

MIC IN → MAIN OUT: 0.01% or less

MIC IN → MAIN OUT: 0.004% @+4dBu

•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

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

Between channels: -80 dB

Between input and output: -80 dB

•Maximum gain

(All **GAIN** knobs maximized, **PAN** knobs turned completely left or right, **EQ** knobs and **STEREO GRAPHIC EQ** faders at middle positions)

MIC → MAIN OUT:	74 dB
MIC → INSERT OUT:	54 dB
MIC → SUB OUT:	74 dB
MIC → CONTROL ROOM OUT:	79 dB
MIC → MONITOR OUT:	75 dB
MIC → FX OUT:	75 dB
USB/SD → MAIN OUT:	24 dB

•Phantom Power

+48V

Bluetooth**•Bluetooth version: 4.0**

Output class:	2 (about 10m* unobstructed transmission distance)
Supported profiles:	2DP
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

52W

•Dimensions

With side panels

576.0 × 513.0 × 117.4 mm (W x H x D, including protrusions)

Without side panels

540.0 × 503.0 × 117.4 mm (W x H x D, including protrusions)

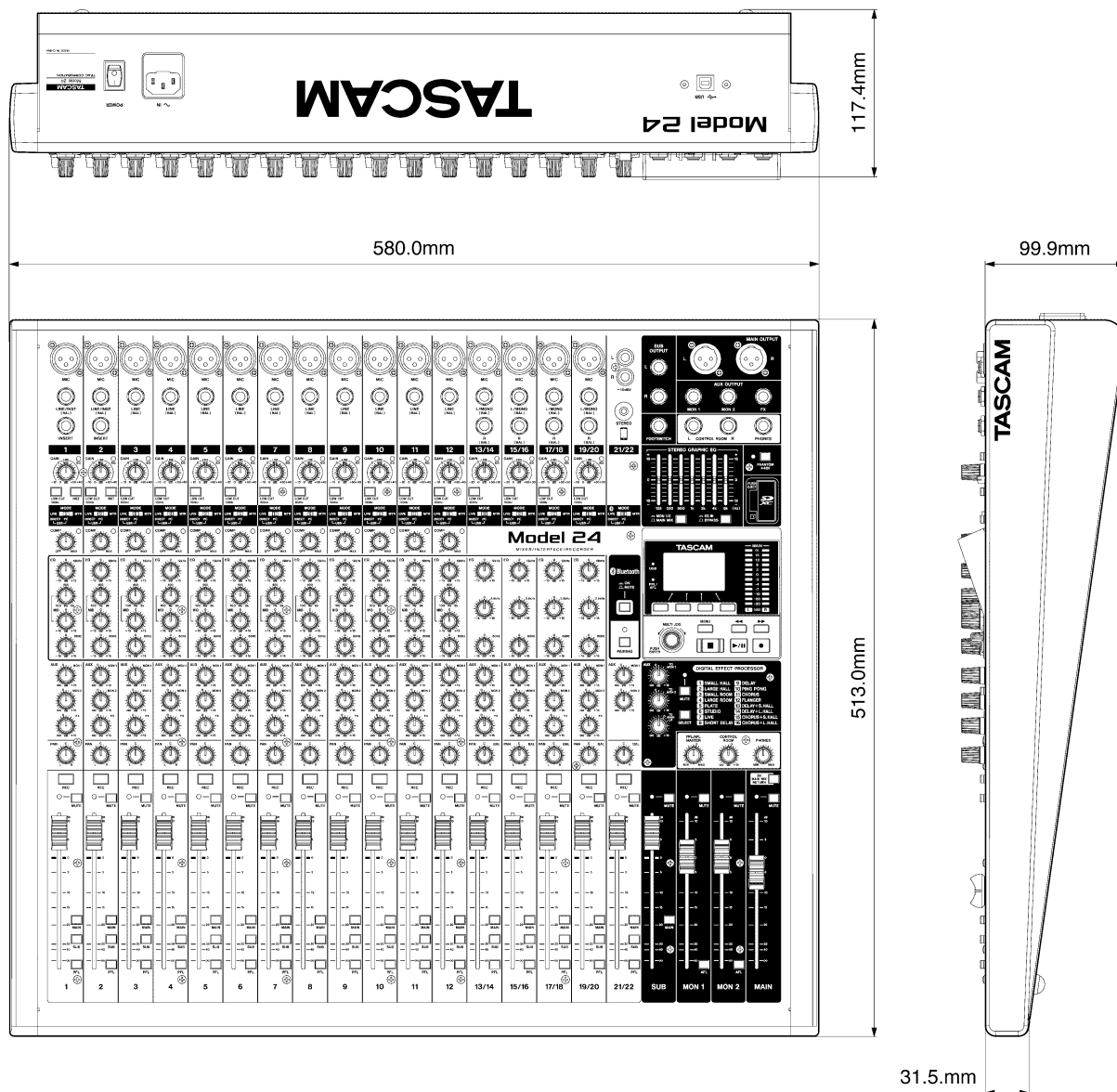
•Weight

10kg

•Operating temperature range

5° C – 35° C

■ Dimensional drawings



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※Specifications and appearance are subject to change without notice.

※All information included in this document is as of Jan, 2019.