

Model 24

22 ch input Analog Mixer with 24 track Multitrack Recorder, Audio Interface



Brand Name	TASCAM
Model name	Model 24
Launch date	Aug/2018, done
Available from	Nov/2018, done
JAN/EAN code	4907034 130696
UPC code	043774 033911
Overall Dimensions /Weight, W x H x D	580 x 117.4 x 513/10.2 (mm/kg) 22.84 x 4.63 x 20.2/22.49 (inch/lb)
Package Dimensions/Weight, W x H x D	635 x 222 x 630/14.5 (mm/kg) 25.0 x 8.75 x 24.81/31.97 (inch/lb)
Master carton Dimensions/weight, W x H x D	645 x 235 x 640/15.5 (mm/kg) 25.4 x 9.26 x 25.2/34.18 (inch/lb)
Qty per Master carton	1

■ Description

Multitrack Live Recording Console

■ Marketing Name

24 track Live Recording Console

■ Product Outline

22 ch input Analog Mixer with 24 track Multitrack Recorder, Audio Interface

■ Features

- 24 Multitrack Recorder, WAV 48kHz/24-bit, 24 track multitrack recording to SD, SDHC and SDXC cards (Class 10 or higher required)
- Punch in/out capability (up to 8 tracks simultaneously)
- Built-in USB Audio Interface to send/receive(24 input/22 output) audio data to/from DAW
- 22ch Inputs (20 Balanced, 12 Monaural, and 4 Stereo)
- 16ch Mic Pre-amp, especially TASCAM Ultra-HDDA Mic Pre-amp (CH1 to CH12)
- Pre-amp Gain Controller with Over-load Indicator (CH1 to CH12)
- Input Mode switch(LIVE/PC/MTR) on every input channel
- 1-knob compressor for inputs (CH1 to CH20)
- 3-band EQ with a sweepable mid-range frequency (CH1 to CH12)
- 100Hz Low-cut Filter (CH1 to CH12)
- 100mm Long-throw Faders for precise adjustment
- Mute, MAIN/SUB, PLF switches on every input channel

New Product Information

Last update: July 4, 2022



- Bluetooth® input supporting both AAC and SBC codecs
- LINE Inputs via RCA Pin and 1/8" Stereo Mini jacks
- Phantom Power (+48V)
- 7-band Graphic EQ (Main and SUB outputs)
- 16 Pre-set Effects
- MAIN Output via XLR balanced and SUB Output via TRS balanced connectors
- 12-segment LED Output Level Meters
- 3 AUX Outputs (Monitor 1, Monitor 2, FX)
- 1 Stereo Output for Control Room
- 1/4" Stereo Headphone Output
- REMOTE connector for a Foot Switch (exclusive for TASCAM RC-1F)
- Self-emitted buttons for key operations such as REC and Play for better status legibility
- Comprehensive simplified menu tree
- Multi Jog-dial for quick menu operation
- Classical sedated woodgrain Side Panels (Removable)

■ Specifications

Recorder Specifications	
Recording Media	SD (512MB – 2GB) / SDHC (4GB – 32GB) / SDXC (64GB - 512GB), Class 10 or higher required.
File System	SD card:FAT16 / SDHC card:FAT32 / SDXC card:exFAT
Recording File Format	WAV(BWF)
Playback Format	WAV/BWF
Sampling Frequency	44.1kHz/48kHz
Bit Depth	16 bit / 24 bit
Maximum Recordable Channel Number	24 ch (22 ch + 2 stereo mix)

USB	
Connector	USB Type B 4-pin
Transfer Format	USB2.0 High-Speed
Device Class	Mass-storage class / USB Audio Class 2.0 (USB class-compliant)
USB Audio specifications	
Sampling Rate	44.1kHz/48kHz
Bit Depth	16 bit / 24 bit
Inputs	24 ch *Output from this unit
Outputs	22 ch *Input to this unit

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New Product Information

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Audio input /output specs	
Microphone inputs (CH1-12, 13/14 - 19/20)	
connector	XLR female, XLR-3-31(1: GND, 2: HOT, 3: COLD)
Maximum Input Level	+10dBu
nominal level	-8dBu
minimum input level	-58dBu
Gain Adjustabke Range	0~50dB
Input Impedance	1.8k ohm
Phantom Power Supply	+48V
LINE inputs (CH1-20)	
connector	1/4" TRS-phone, balanced
Maximum Input Level	+22dBu
nominal level	+4dBu
Gain Adjustabke Range	-10 to +40dB: ch 1 to 12, -20 to +30dB: ch 13/14 to 19/20
Input Impedance	22k ohm
INSERT ch 1 and ch 2	
connector	1/4" TRS-phone, Tip: send, Ring: return, Sleeve: GND
return (ring)	
Maximum Input Level	+18dBu
nominal level	0dBu
Input Impedance	10k ohm
send (tip)	
Maximum Input Level	+18dBu
nominal level	0dBu
Input Impedance	100 ohm
RCA input	
connector	RCA pin jack, unbalanced
Maximum Input Level	+8 dBV
nominal level	-10dBV
Input Impedance	10k ohm
STEREO input	
connector	1/8" Stereo mini jack, unbalanced
Maximum Input Level	+8 dBV
nominal level	-10dBV
Input Impedance	10k ohm
MAIN output	
connector	XLR male, XLR-3-32 (1: GND, 2: HOT, 3:COLD), balanced
Maximum Output Level	+22dBu
nominal level	+4dBu
Output Impedance	100 ohm
SUB OUT, MONITOR, FX OUT CONTROL ROOM OUT	
connector	1/4" TRS-phone, Tip: HOT Ring: COLD, Sleeve: GND, balanced
Maximum Output Level	+16dBu
nominal level	-2dBu
Output Impedance	100 ohm
PHONES OUT	
connector	1/4" STEREO-phone
Maximum Output Level	80mW + 80mW, 32 ohm
Working Impedance	16 to 600 ohm
NOTE: 0dBV = 1Vrms, 0dBu = 0.775Vrms	

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Audio performance	
Residual output noise	-100 dBu (MAIN OUT, MAIN fader: Min)
Equivalent input noise (EIN)	-128 dBu (Mono Input Channel, Rs: 150Ω, GAIN knob: Max)
Total harmonic distortion (THD+N)	< 0.01% (Gain knob min. @+10dBu, Maximum input level) < 0.004% (Gain knob min. @+4dBu, nominal input level) [MIC IN -> MAIN OUT, 1kHz]
Frequency response	20Hz to 30kHz [+0.5/-1.0dB:Analog] 20Hz to 20kHz [+0.5/-1.0dB:Digital]
Crosstalk	-80dB, channels/input and output, [1kHz, PAN fully counter clockwise/fully clockwise]
Maximum gain	74dB (MIC->MAIN OUT) 50dB (MIC->INSERT OUT) 74dB (MIC->SUB OUT) 79dB (MIC-CR OUT) 75dB (MIC->MONITOR OUT) 75dB (MIC->FX OUT) 24dB (USB/SD -> MAIN OUT) [EQ flatten, PAN fully counter clockwise/fully clockwise]
NOTE: 0dBu = 0.775Vrms	
Channel EQ	
	Low: cut 100Hz, -18dB / Octave HI- Shelving +15dB/-15dB, Cut off frequency:12kHz MID: Peaking (MONO) +15dB/-15dB, 100Hz to 8kHz Variable (Stereo) +15dB/-15dB, Center frequency = 600Hz MID Band Q FIX, 0.55 LOW: Shelving +15dB/-15dB, Cut off frequency:80Hz
Graphic EQ	
	Band: 7-Band Frequency: 125/ 250/ 500/ 1k/ 2k/ 4k/ 8k [Hz] Gain: +15dB/-15dB
Internal Effects	
Types	1 SMALL HALL / 2 LARGE HALL / 3 SMALL ROOM / 4 LARGE ROOM / 5 PLATE / 6 STUDIO / 7 LIVE / 8 SHORT DELAY/ 9 DELAY / 10 PING PONG / 11 CHORUS / 12 FLANGER / 13 DELAY + S.HALL / 14 DELAY + L.HALL / 15 CHORUS + S.HALL / 16 CHORUS + L.HALL
Bluetooth®	
Bluetooth® version	4.0
Output class	Class 2 (approximate transmission distance : 10m) * The transmission distance is approximate. The transmission distance could vary depending on the surrounding environment and electromagnetic waves.
Supported profile	A2DP, AVRCP 1.0
Supported A2DP codecs	SBC, AAC
A2DP content protection	SCMS-T

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Remote(Foot switch)	
Connector	1/4" TS-phone, *TASCAM genuine Foot switch RC-1F recommended

Computer system requirements	
Windows	
OS	Windows 11, 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 7: tested in the last updated version
Compatible computers	Windows-compatible computer with a USB 2.0 port
CPU type/speed	Dual core/2 GHz or faster
Memory	2GB or more
DRIVER	USB Audio Class 2.0, ASIO2.0, WDM(MME) 
Screen resolution	1280 x 800 Dot or more
Macintosh	
OS	macOS Monterey (12), macOS Big Sur(11), macOS Catalina(10.15), macOS Mojave(10.14), macOS High Sierra(10.13)
Compatible computers	Apple Mac computer with a USB 2.0 port
CPU type/speed	Dual core/2 GHz or faster
Memory	2GB or more
DRIVER	Core Audio
Screen resolution	1280 x 800 Dot or more
Apple iOS device	
OS	iOS 15, iPadOS 15, iPadOS 14, iOS 14, iPadOS 13, iOS 13
DRIVER	Core Audio
	*Genuine Apple Lightning – USB camera adapter is required when connecting devices with Lightning connectors.

General specifications

Power	AC 100V to 240V, 50/60Hz
Power consumption	52W
Dimensions	580 x 117.4 x 513 [mm] / 22.84 x 4.63 x 20.2 [inch] (W x H x D, w/side panels, inc. knob height and protrusion)
Weight	10.2kg / 22.49lb
Operating temperature range	5 to 35°C / 41 to 95°F
Included items	Model 24, Power cord, Owner's manual, inc.warranty, TASCAM ID registration guide

Dimensions

