

New Product Information



Last update: December 25, 2024

DR-07XP



- **Description**
LINEAR PCM RECORDER

- **Marketing name**
2-Channel 32-Bit Float Handheld Recorder With USB-C Interface and Adjustable Mics

- **Product outline**
The TASCAM DR-07XP portable handheld recorder makes it easy to capture pro-quality recordings for music, audio-for-video, meetings, dictation, and more. With 32-bit float recording mode, you'll never need to worry about setting audio levels, and adjustable stereo condenser microphones give you full control over your sound. With easy one-handed operation, the DR-07XP makes it simple to start recording with minimal setup time.

Brand	TASCAM
Model	DR-07XP
Launching date	January 22, 2025
Available date	
EAN code	4907034 135387
Overall dimensions (W x H x D)/weight (inc. battery)	68 x 159.6 x 27 [mm] / 184 g 2.68 x 6.29 x 1.07 [inch] / 0.406 lb
Package dimensions (W x H x D)/weight	123 x 186 x 56 [mm] / 226 g 4.85 x 7.33 x 2.21 [inch] / 0.50 lb
Master carton dimensions (W x H x D)/weight	385 x 140 x 349 [mm] / 3.2 kg 15.16 x 5.52 x 13.75 [inch] / 7.06 lb
Qty per master carton	12

- **Main features**
 - 2-channel portable handheld audio recorder with microSDXC card storage
 - 32-bit float recording mode ensures low-noise, distortion-free recordings
 - Stereo AB/XY condenser microphones handle loud environments and sources (up to 125dB SPL)
 - 2-in/2-out USB-C audio interface for recording directly to your computer
 - Up to 17.5 hours operation with 2 x AA alkaline batteries

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■ Additional features

- Recording modes include 32-bit float/24-bit/16-bit, 96kHz/48kHz/44.1kHz
- microSDXC (up to 512GB) cards can be used as recording media
- USB Type-C port
- Stereo mini jack for external stereo microphones (provides plug-in power) / External line input
- Support multiple menu languages (ENG/FRA/DEU/ITA/ESP/RUS/PRT/JPN/CHI/KOR)
- Long recordings as MP3 files possible
- Various recording function (Auto rec, Self timer, Pre rec)
- Overdubbing function
- Limiter and Peak reduction
- Three low-cut filter levels (40/80/120Hz)
- Auto Tone output for use with DSLR camera
- Reverb effect for vocal and instrument resonance
- Mark function
- 128×64 pixel graphic LCD with backlight
- Tripod mounting point attaches to any standard tripod
- Stereo mini line output and headphone output
- Speed change (VSA) function for adjusting the speed from 0.5 to 2.0 times (in 0.1 increments)
- Playlist function
- Built-in monaural speaker makes it easy to check your recordings
- Chromatic tuner for tuning musical instruments before recording

■ Update changes from DR-07X

- Support 32-bit float recording
- Equipped a USB Type-C port, instead of a Micro B port

■ Specifications/ratings

Recorder specifications

Recording media/file systems

microSD cards

microSDHC cards

microSDXC cards (up to 512 GB)

Recording/playback formats: WAV (BWF)

Sampling frequency: 48 kHz, 96 kHz

Quantization bit depth: 24-bit/32-bit float

Maximum number of input channels: 2

Maximum number of recordable tracks: 2

Analog audio input/output ratings

MIC/EXT IN jack

(can provide plug-in power)

Connector: 3.5mm (1/8") stereo mini jack

Input Impedance:

18 kΩ or more (when plug-in power is turned off)

2 kΩ or more (when plug-in power is turned on)

Nominal input level: - 20 dBV

Maximum input level: -4 dBV

(PHONES)/LINE OUT jack

Connector: 3.5 mm (1/8") stereo mini jack

Output impedance: 12 Ω

Nominal output level: - 14 dBV (10kΩ loaded)

Maximum output level: +2 dBV (10kΩ loaded)

Working impedance: 16 - 250Ω

*Note: 0 dBV=1 Vrms, 0 dBu=0.775 Vrms

Built-in Speaker

Output: 0.3W (monaural)

USB

Connector: USB Type-C

Format: USB 2.0 High Speed Mass Storage Class

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USB 1.1 Full Speed Audio Class

USB Audio

Sampling rate: 44.1 / 48 kHz

Quantization bit depth: 24-bit

Number of inputs: 2 channels (output from this unit)

Number of outputs: 2 channels (input to this unit)

Audio performance

Frequency response

20–20 kHz +0/–1 dB

(MIC/EXT IN to LINE OUT, 44.1 kHz, JEITA)

20–22 kHz +0/–1 dB

(MIC/EXT IN to LINE OUT, 48 kHz, JEITA)

20–40 kHz +0/–1.5 dB

(MIC/EXT IN to LINE OUT, 96 kHz, JEITA)

Total harmonic distortion ratio (THD+N)

0.01% or less

(MIC/EXT IN to LINE OUT, 44.1/48/96 kHz, JEITA)

Note: JEITA indicates conformance to JEITA CP-2150

Recording duration

Recording format			Card capacity (hours:minutes)	
			32 GB	128 GB
WAV 16-bit (stereo)	44.1 kHz		49:20	197:20
	48 kHz		45:20	181:20
	96 kHz		22:40	90:40
WAV 24-bit (stereo)	44.1 kHz		32:56	131:44
	48 kHz		30:16	121:04
	96 kHz		15:04	60:16
WAV 32-bit float (stereo)	44.1 kHz		24:40	98:40
	48 kHz		22:40	90:40
	96 kHz		11:20	45:20
MP3 (stereo/ mono)	32 kbps	44.1/48 kHz	2209:36	8838:24
	64 kbps	44.1/48 kHz	1104:48	4419:12
	96 kbps	44.1/48 kHz	736:32	2946:08
	128 kbps	44.1/48 kHz	552:24	2209:36
	192 kbps	44.1/48 kHz	368:16	1473:04
	256 kbps	44.1/48 kHz	276:08	1104:32
	320 kbps	44.1/48 kHz	220:56	883:44

	kbps			
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o The recording times shown above are estimates.

They might differ depending on the microSD/microSDHC/ microSDXC card in use.

o The recording times shown above are not continuous recording times, but rather they are the total possible recording times for the microSD/microSDHC/ microSDXC card.

o If the recording time exceeds 24 hours, the unit will automatically continue recording in a new file.

o If recorded in mono in WAV files, the maximum recording time will be double the figures above.

Operating system and other requirements

Check the TEAC product page

(<https://tascam.jp/jp/product/dr-07xp/support>) for the latest information about supported operating systems. 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)

*Operation is not guaranteed using the TASCAM driver with ARM64 CPUs.

Mac

Supported operating systems

macOS 15 Sequoia

macOS 14 Sonoma

Computer hardware requirements

Mac computer with a USB 2.0 (or higher)

iOS/iPadOS devices

iOS 18 iPadOS 18

iOS 17 iPadOS 17

General

Power

2AA batteries (alkaline or NiMH)

USB bus power (5V/0.5A) from a computer, etc.

TASCAM PS-P520U AC adapter (sold separately)

Power consumption

1.7 W (maximum)

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Battery operation time (continuous operation)

Using alkaline batteries (EVOLTA)

Rec/ play	File format (recording setting)	Operation time in hours	Note
Recording	WAV, 96 kHz, 32-bit float	About 14.5	With built-in stereo mic input
	WAV, 96 kHz, 24-bit	About 15.5	With built-in stereo mic input
	WAV, 44.1 kHz, 16-bit	About 17.5	With built-in stereo mic input
	MP3, 44.1 kHz, 128 kbps	About 13	With built-in stereo mic input
	MP3, 48 kHz, 320 kbps	About 11	With built-in stereo mic input
Playback	WAV, 96 kHz, 32-bit float	About 11	Using headphones
		About 11	Using built-in speaker
	WAV, 96 kHz, 24-bit	About 14	Using headphones
		About 14	Using built-in speaker
	WAV, 44.1 kHz, 16-bit	About 16.5	Using headphones
		About 16.5	Using built-in speaker
	MP3, 44.1 kHz, 128 kbps	About 16.5	Using headphones
		About 16.5	Using built-in speaker
	MP3, 48 kHz, 320 kbps	About 15.5	Using headphones
		About 15.5	Using built-in speaker

Recording: JEITA recording time

Playback: JEITA music playback time

Using NiMH battery (eneloop)

Rec/play	File format (recording setting)	Operation time in hours	Note
Recording	WAV, 96 kHz, 32-bit float	About 11.5	With built-in stereo mic input
	WAV, 96 kHz, 24-bit	About 12.5	With built-in stereo mic input
	WAV, 44.1 kHz, 16-bit	About 14.5	With built-in stereo mic input
	MP3, 44.1 kHz, 128 kbps	About 13	With built-in stereo mic input
	MP3, 48 kHz, 320 kbps	About 10	With built-in stereo mic input
Playback	WAV, 96 kHz, 32-bit float	About 10	Using headphones
		About 10	Using built-in speaker
	WAV, 96 kHz, 24-bit	About 13	Using headphones
		About 12	Using built-in speaker
	WAV, 44.1 kHz, 16-bit	About 14	Using headphones
		About 15	Using built-in speaker
	MP3, 44.1 kHz, 128 kbps	About 13.5	Using headphones
		About 13	Using built-in speaker
	MP3, 48 kHz, 320 kbps	About 13.5	Using headphones
		About 13	Using built-in speaker

Recording: JEITA recording time

Playback: JEITA music playback time

NOTE

The battery operation times (during continuous operation) could vary depending on the media being used.

Weight

184 g / 0.406 lb (including batteries)

136 g / 0.30 lb (not including batteries)

Operating temperature range

0 – 40 °C / 32 – 104 °F

Dimensions W x H x D

Mic closed:

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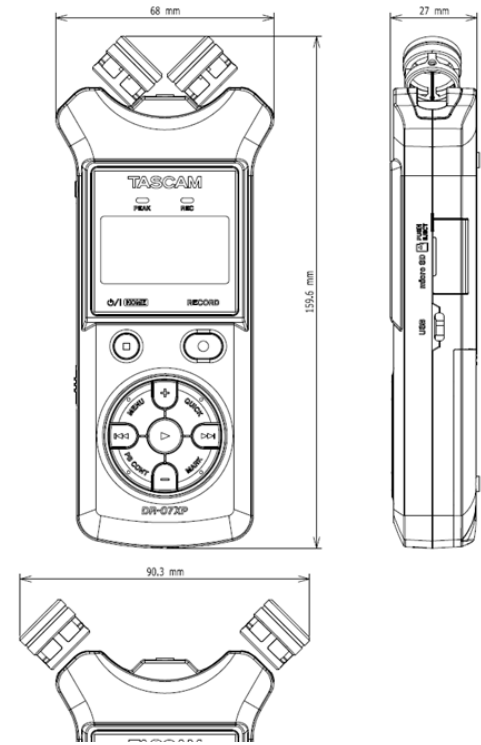
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TASCAM®

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68 x 159.6 x 27.0 mm
2.68 x 6.28 x 1.06 inch
Mic opened :
90.3 x 159.6 x 27.0 mm
3.56 x 6.28 x 1.06 inch

<Dimensional drawings>



Included items

DR-07XP	x1
Safety guide (including warranty)	x1
TASCAM ID registration guide	x1

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