

Tascam DR-07XP

TASCAM DR-07XP Portable Handheld Field Recorder User Manual

Model: DR-07XP | Brand: Tascam

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1. INTRODUCTION

The TASCAM DR-07XP is a portable handheld recorder designed for high-quality audio capture in various environments. It offers advanced recording capabilities, flexible connectivity, and user-friendly operation, making it suitable for musicians, videographers, podcasters, and field recorders.

TASCAM

Pro-quality portable recording, simplified.

Easily 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. Adjustable stereo condenser mics give you full control over your sound.

DR-07XP

32-Bit Float Recorder
with USB-C Interface



Image: The TASCAM DR-07XP handheld recorder, highlighting its simplified professional recording capabilities.

2. KEY FEATURES

- **Adjustable Stereo Condenser Microphones:** Features A/B or X/Y unidirectional condenser microphones capable of handling sound sources up to 125dB SPL.

Adjustable stereo condenser mics.

The DR-07XP features stereo condenser microphones with adjustable A/B or X/Y configurations, allowing you to capture incredibly vivid stereo recordings in any setting.



Image: Detail of the adjustable stereo condenser microphones, showing their flexible A/B or X/Y configurations.

- **32-Bit Float Recording:** Ensures audio recordings are clear, distinct, and free of distortion, eliminating the need for precise input level setting.
- **USB-C Audio Interface:** Functions as a 2-in/2-out USB-C audio interface for direct recording to your computer.
- **Versatile Inputs/Outputs:** Includes a 3.5mm stereo MIC/EXT IN jack with plug-in power and a 3.5mm stereo HEADPHONES/LINE OUT jack.
- **Long Battery Life:** Up to 17.5 hours of operation with 2 x AA alkaline batteries (sold separately).
- **MicroSD Card Support:** Supports microSD, microSDHC, and microSDXC cards up to 512 GB (memory card not included).
- **RF Noise Shielding:** Superior shielding of sensitive components effectively cuts interference from Radio Frequency (RF), Wi-Fi, and other digital signals.
- **Built-in Reference Speaker:** A monaural speaker allows for quick recording checks without headphones.
- **Sound-Sensitive Auto Recording:** Automatically starts recording when sound is detected.
- **TASCAM Audio File Manager:** Free software for easy adjustment of levels from 32-bit float recordings and file organization.

3. SETUP

3.1 Battery Installation

1. Open the battery compartment cover on the back of the unit.
2. Insert two AA alkaline batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

3.2 Memory Card Installation

1. Locate the microSD card slot on the side of the unit.
2. Insert a compatible microSD, microSDHC, or microSDXC card (up to 512 GB) until it clicks into place.
3. To remove, gently push the card to eject it.

3.3 Connecting to Computer (USB-C)

1. Connect the DR-07XP to your computer using a USB-C cable.
2. The unit can function as a 2-in/2-out audio interface for direct recording to your computer's DAW.

3.4 Connecting External Microphones/Line-in

1. Plug your external microphone or line-level source into the 3.5mm MIC/EXT IN jack.
2. This jack provides plug-in power for compatible microphones.

3.5 Connecting Headphones/Line-out

1. Connect headphones to the 3.5mm HEADPHONES/LINE OUT jack for monitoring.
2. Alternatively, use this jack to output audio to another device.

4. OPERATING INSTRUCTIONS

4.1 Basic Recording

1. Press the **REC** button once to enter record-ready mode.
2. Adjust input levels using the dedicated controls to avoid clipping.
3. Press **REC** again to start recording.
4. Press the **STOP** button to end recording.

4.2 Recording Modes and Settings

The DR-07XP supports various recording formats and sample rates:

- **Formats:** 32-bit float, 24-bit, 16-bit WAV, and MP3.
- **Sample Rates:** 96kHz, 48kHz, 44.1kHz.

Access these settings via the menu to select the desired quality for your recordings.

4.3 Adjustable Microphone Configuration

The built-in stereo condenser microphones can be adjusted between A/B and X/Y configurations to optimize stereo imaging for different recording scenarios.



Image: The TASCAM DR-07XP with its adjustable microphones, ready for various recording setups.

4.4 Using Built-in Effects

The DR-07XP includes several built-in effects to enhance your recordings:

- **Lowcut Filter:** Reduces unwanted low-frequency noise.
- **Gate:** Eliminates background noise below a certain threshold.
- **Compressor:** Reduces dynamic range, making quiet sounds louder and loud sounds softer.
- **Limiter:** Prevents audio from exceeding a set level, avoiding clipping.

These effects can be quickly toggled on/off via dedicated buttons or adjusted in detail through the main menu.

4.5 Auto Recording Features

- **Auto Rec:** Starts recording automatically when sound is detected.
- **Prerecord:** Captures a few seconds of audio before the REC button is pressed.
- **Auto Level:** Automatically adjusts input gain to maintain optimal recording levels.
- **Tone Mark:** Plays a sound at the beginning and end of a recording for easy synchronization.

4.6 Playback and Overdubbing

- Use the navigation buttons to browse and play recorded files.
- The **MARK** function allows you to place markers in your recordings and skip between them during playback.
- The overdub feature enables recording new audio tracks over existing ones.

4.7 Using as USB Microphone/Audio Interface

Connect the DR-07XP to your computer via USB-C. Select it as an audio input/output device in your computer's sound settings or DAW to use it as a high-quality USB microphone or 2-in/2-out audio interface.

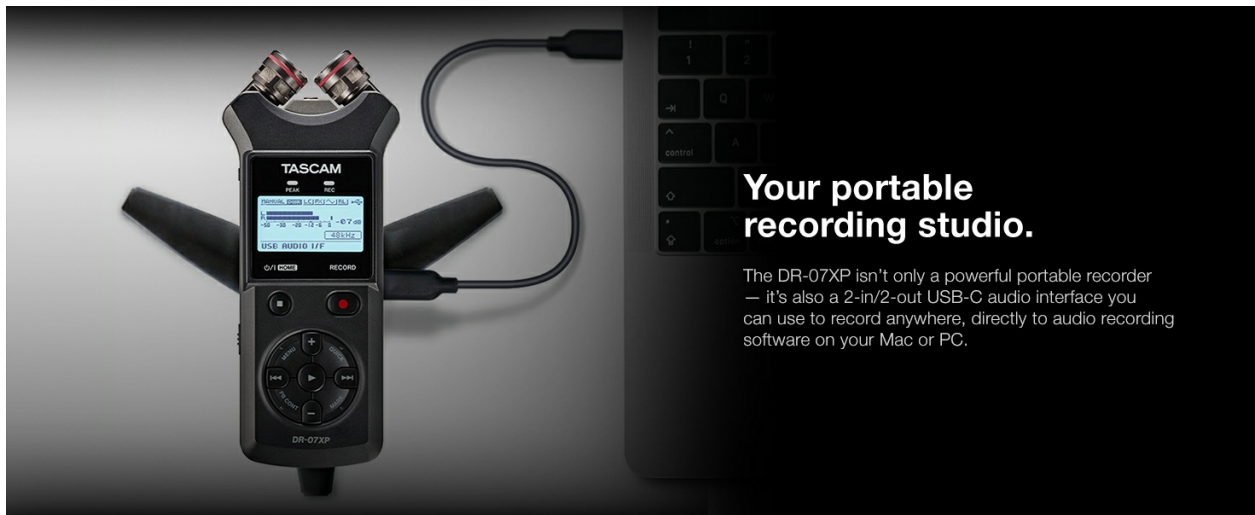


Image: The TASCAM DR-07XP connected to a laptop, illustrating its use as a portable recording studio.

4.8 Using with Camera (Line Out)

Connect the DR-07XP's HEADPHONES/LINE OUT jack to your camera's audio input. This allows you to use the DR-07XP as an external microphone for your camera, significantly improving audio quality for video recordings.

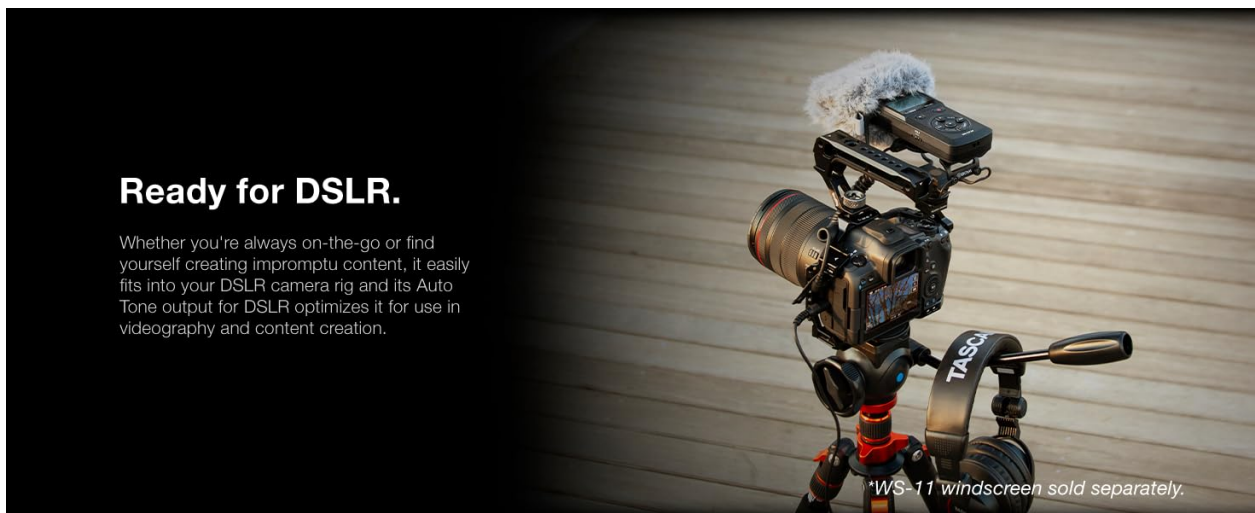


Image: The TASCAM DR-07XP mounted on a DSLR camera rig, demonstrating its integration for video production.

4.9 Official Product Video

Video: An official introduction to the TASCAM DR-07XP, showcasing its features and use cases.

5. MAINTENANCE

5.1 Battery Care

- Remove batteries if the unit will not be used for an extended period to prevent leakage.
- Use fresh, high-quality AA alkaline batteries for optimal performance and battery life (up to 17.5 hours).

5.2 Memory Card Handling

- Always format new memory cards with the DR-07XP before first use.
- Avoid removing the memory card while the unit is powered on or recording to prevent data corruption.

5.3 Cleaning

- Wipe the unit with a soft, dry cloth.
- Do not use liquid cleaners or solvents, as they may damage the finish or internal components.

6. TROUBLESHOOTING

- **No Power:** Check battery installation and ensure batteries are fresh or fully charged. If using USB power, ensure the cable is securely connected to a powered USB port.
- **No Recording:** Verify that a memory card is inserted and has sufficient free space. Ensure the unit is not in HOLD mode.
- **Poor Audio Quality/Distortion:** Check input levels to ensure they are not too high (peaking). If using external mics, confirm they are properly connected and receiving phantom/plug-in power if required. Consider using the built-in limiter or compressor.
- **No Sound During Playback:** Check headphone connection and volume level. Ensure the correct file is selected for playback.
- **Unit Not Recognized by Computer:** Ensure the USB-C cable is functioning correctly and is securely connected. Try a different USB port or cable.

7. SPECIFICATIONS

Product Dimensions	1.06 x 2.38 x 6.28 inches
Item Weight	4.8 ounces
Item Model Number	DR-07XP
Batteries	2 AA batteries required
Compatible Devices	Personal Computer, Laptop, Tablet, Smartphone
Hardware Interface	USB Type C
Microphone Form Factor	Built-In
Format	WAV
Headphones Jack	3.5 millimeters
Memory Storage Capacity	512 GB
Battery Life	17 Hours (approximate, with alkaline batteries)

8. WARRANTY & SUPPORT

For warranty information and technical support, please refer to the official TASCAM website or contact your local dealer.
Keep your proof of purchase for warranty claims.