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Zoom H4nPro

Zoom H4n Pro Handy Recorder User Manual

Model: H4nPro

INTRODUCTION

The Zoom H4n Pro Handy Recorder is a versatile four-track audio recorder designed for high-fidelity sound capture in various applications, including music, film, and podcasting. It features advanced X/Y microphones, natural-sounding preamps, and a super-low noise floor, ensuring extraordinary realism in recordings.

This manual provides essential information for setting up, operating, and maintaining your Zoom H4n Pro, along with troubleshooting tips and detailed specifications.

PRODUCT OVERVIEW



Figure 1: Front view of the Zoom H4n Pro, showing the display screen, built-in X/Y microphones, and control buttons.



Figure 2: Side view of the Zoom H4n Pro, highlighting the REC LEVEL adjustment buttons and MENU dial.



Figure 3: Bottom view of the Zoom H4n Pro, featuring the two XLR/TRS combo input connectors.



Figure 4: Back view of the Zoom H4n Pro, displaying the battery compartment, external mic input, and built-in speaker.

SETUP

1. Powering the Device

The Zoom H4n Pro can be powered by two AAA batteries (included) or via USB 2.0 high-speed connection. For optimal performance and to enable phantom power, it is recommended to use the included batteries or an external power supply (DC 5V 1A).

- **Battery Installation:** Open the battery compartment on the back of the unit (refer to Figure 4). Insert two AAA

batteries, ensuring correct polarity.

- **USB Power:** Connect the H4n Pro to a computer or a USB power adapter using a USB cable. Note that phantom power and plug-in power cannot be set during recording and playback when using USB bus power.

2. Inserting an SD/SDHC Card

The H4n Pro records directly to SD/SDHC cards up to 32 GB. Locate the SD card slot on the side of the device (refer to Figure 2). Insert the card until it clicks into place. Ensure the card is formatted within the device before first use to prevent data corruption.

3. Connecting Microphones/Instruments

- **Built-in X/Y Microphones:** The device features integrated X/Y stereo microphones, adjustable between 90° and 120° for flexible stereo imaging.
- **External Inputs:** Two mic/line level inputs with XLR/TRS combo connectors are available at the bottom of the unit (refer to Figure 3). These inputs support +24V or +48V phantom power for condenser microphones.
- **Stereo Mini Jack:** A stereo 1/8" Mic In mini phone jack is provided for connecting external stereo microphones that require 2.5V plug-in power.

OPERATING INSTRUCTIONS

1. **Power On:** Slide the POWER switch to the ON position.
2. **Select Mode:** Use the MENU dial to navigate and select your desired recording mode (e.g., STEREO, 4CH, MTR).
3. **Adjust Input Level:** Use the REC LEVEL +/- buttons on the side (refer to Figure 2) to adjust the input gain. Monitor the levels on the display to avoid clipping.
4. **Start Recording:** Press the **REC** button once to enter record-ready mode. The REC indicator will flash. Press it again to begin recording.
5. **Stop Recording:** Press the **STOP** button to stop recording.

2. Playback

1. **Select File:** Use the FOLDER and FILE buttons to browse and select the desired audio file.
2. **Start Playback:** Press the **PLAY/PAUSE** button.
3. **Adjust Playback Volume:** Use the VOLUME +/- buttons (if available, or adjust output level via menu) to control the playback volume.
4. **Stop Playback:** Press the **STOP** button.

3. Using as a USB Audio Interface

The H4n Pro can function as a 4-in/2-out USB Audio Interface. Connect the device to your computer using a USB cable. Select "Audio Interface" mode from the H4n Pro's menu. Install necessary drivers if prompted by your operating system (Windows Vista and newer, Mac OS X 10.6 and newer).

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods to prevent leakage.
- **SD Card Care:** Regularly back up your recordings. Avoid removing the SD card while the device is powered on or actively recording/playing back to prevent data loss or card corruption.
- **Firmware Updates:** Check the Zoom website periodically for firmware updates to ensure optimal performance and access to new features.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or dead batteries; incorrect battery installation; power adapter issue.	Replace batteries; check battery polarity; try a different power source.
No sound during recording or playback.	Input/output levels too low; incorrect input selected; faulty cables/microphones.	Adjust input/output levels; verify correct input source; test with different cables/microphones.
Recording quality is poor/noisy.	Input level too high (clipping); external interference; microphone placement.	Reduce input gain; move away from electronic devices; adjust microphone position.
SD card error.	Card not formatted; incompatible card; corrupted card.	Format the SD card in the device; ensure it's SD/SDHC up to 32GB; try a different card.

SPECIFICATIONS

- Recording Channels:** 4-channel simultaneous recording
- Recording Quality:** Up to 24-bit, 96 kHz
- Microphones:** Built-in X/Y stereo microphones (adjustable 90°/120°), up to 140 dB SPL
- Inputs:**
 - 2 x XLR/TRS combo connectors (mic/line level)
 - 1 x Stereo 1/8" Mic In mini phone jack
- Phantom Power:** +24V or +48V (for main inputs), 2.5V plug-in power (for mini jack)
- Storage Media:** SD/SDHC cards up to 32 GB
- USB Interface:** USB 2.0 High Speed (4-in/2-out Audio Interface)
- Speaker:** Monaural speaker: 400 mW 8 Ω
- Line/Phone Output:**
 - Load Impedance: 10 kΩ or more
 - Line Rated Output Level: -10 dBu
 - Phone Output: 20 mW + 20 mW (into 32Ω load)
- Power:** 2 x AAA batteries (included) or USB bus power (DC 5V 1A)
- Dimensions:** 6.25 x 1.5 x 2.75 inches (Product Dimensions from spec)
- Weight:** 10.6 ounces (Item Weight from spec)
- Compatible OS:** Windows Vista and newer, Mac OS X 10.6 and newer

WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official Zoom website or contact their customer service directly. Keep your proof of purchase for warranty claims.

An official User Manual (PDF) is available for download: [Download User Manual](#)

Related Documents - H4nPro

	<p>ZOOM H4n Pro Handy Recorder Operation Manual</p> <p>Comprehensive operation manual for the ZOOM H4n Pro Handy Recorder, detailing features, setup, recording modes (STEREO, 4CH, MTR, STAMINA), effects, playback, editing, and troubleshooting for musicians and audio professionals.</p>
	<p>ZOOM H4n Handy Recorder Operation Manual</p> <p>Comprehensive operation manual for the ZOOM H4n Handy Recorder, detailing its features, setup, recording modes (STEREO, 4CH, MTR, STAMINA), playback functions, editing capabilities, effects, and technical specifications. Learn how to use this portable audio recorder for music production, field recording, and more.</p>
	<p>ZOOM H4next Handy Recorder Operation Manual</p> <p>Comprehensive operation manual for the ZOOM H4next Handy Recorder, detailing its features, setup, recording modes, playback, editing, and utility functions for professional and amateur audio recording.</p>
	<p>ZOOM Handy Recorder H4 Operation Manual</p> <p>Comprehensive operation manual for the ZOOM Handy Recorder H4, detailing stereo and 4-track recording, effects, mixing, and advanced features for musicians and audio professionals.</p>
	<p>ZOOM H6studio Handy Recorder -</p> <p>ZOOM H6studio</p>
	<p>ZOOM H5 Handy Recorder Operation Manual</p> <p>This operation manual details the features, setup, and usage of the ZOOM H5 Handy Recorder, a versatile portable audio device for professional recording applications.</p>