Xvive XV1-R

Xvive XV1-R Portable Stereo Recorder and Audio Interface User Manual

Model: XV1-R

1. Introduction

The Xvive XV1-R is a versatile portable stereo recorder and audio interface designed for capturing high-fidelity audio. It offers both standalone recording capabilities and functions as an audio interface via its USB Type-C port. This manual provides detailed instructions for setting up, operating, and maintaining your XV1-R device.

Image 1.1: The Xvive XV1-R Portable Stereo Recorder, showcasing its compact design and integrated microphones.

2. Key Features

The XV1-R is equipped with a range of features to enhance your audio recording experience:

- **High-Fidelity Recording:** Supports 24-bit integer and 32-bit float recording at up to 96kHz sample rates.
- **Versatile File Formats:** Accommodates HE-AAC, AAC-LC, WAVF32, and WAV24 PCM in mono or stereo.
- **High SPL Capability:** Max 130dB SPL for capturing loud sound sources without distortion.
- **Expandable Storage:** Direct recording to microSD, microSDHC, or microSDXC cards, supporting up to 128 GB.
- **USB-C Connectivity:** Dual-function port for continuous power and data transfer as an audio interface.
- **Audio Inputs/Outputs:** Stereo 1/8-inch mic/line input and 1/8-inch line output.
- **Recording Modes:** Auto-recording (2.5s) and pre-recording capabilities for capturing unexpected moments.
- **Integrated Audio Effects:** Onboard limiter, noise gate, and lo-cut filter for sound management.
- **Filmmaking Integration:** Features a threaded tripod mount, Slate Tone Generator, and optional film markers for use with DSLR and video cameras.

- **Power Options:** Operates on 2 standard AA alkaline, 1.5V lithium, or NiMH rechargeable batteries (up to 12 hours), or via USB power.

Image 2.1: Overview of the Xvive XV1-R's key features, including 32-bit float recording, built-in speaker, and 12-hour battery life.

3. Product Overview

Familiarize yourself with the various components and controls of your Xvive XV1-R:

Image 3.1: Detailed diagram of the Xvive XV1-R, labeling its various ports, buttons, and microphones.

1. **X/Y MIC:** Integrated stereo microphones for capturing audio.
2. **MULTI 1-4:** Multi-function buttons (context-dependent, typically for navigation or settings).
3. **RECORD:** Button to start and stop recording.
4. **PLUS/UP:** Navigation button for moving up or increasing values.
5. **HOME:** Returns to the main screen.
6. **NEXT:** Navigation button for moving to the next item or fast-forward during playback.
7. **MARK:** Adds a marker to the recording.
8. **OPTION:** Accesses context-sensitive options.
9. **MENU:** Opens the main menu for settings and functions.
10. **PREV (PREVIOUS):** Navigation button for moving to the previous item or rewinding during playback.
11. **STOP:** Stops playback or recording.
12. **LINE OUT:** 1/8-inch stereo line output for connecting to headphones or external devices.
13. **VOLUME+:** Increases playback or monitoring volume.

14. **VOLUME-:** Decreases playback or monitoring volume.
15. **LINE IN:** 1/8-inch stereo mic/line input for external microphones or line-level sources.
16. **DELETE:** Deletes selected files or settings.
17. **POWER:** Power button to turn the device on/off.

4. Setup

4.1. Battery Installation

The XV1-R operates on two AA batteries. Ensure correct polarity when inserting them.

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover open.
3. Insert two AA batteries, matching the (+) and (-) indicators inside the compartment.
4. Close the battery compartment cover securely.

4.2. MicroSD Card Installation

A microSD card (up to 128 GB) is required for recording. The device supports microSD, microSDHC, and microSDXC cards.

1. Locate the microSD card slot on the side of the device.
2. Insert the microSD card with the contacts facing down until it clicks into place.
3. To remove, gently push the card until it clicks out, then pull it out.

4.3. Powering On/Off

- To power on, press and hold the **POWER** button (17) until the display illuminates.
- To power off, press and hold the **POWER** button (17) until the device shuts down.

4.4. Connecting to a Computer (Audio Interface Mode)

The XV1-R can function as a 2-in/2-out audio interface.

1. Connect the XV1-R to your computer using a USB Type-C cable.
2. The device will prompt you to select a mode (e.g., "Storage" or "Audio Interface").
3. Select "Audio Interface" using the navigation buttons and confirm.
4. Your computer should recognize the XV1-R as an audio device.

5. Operation

5.1. Microphone Usage

The Xvive XV1-R features integrated X/Y microphones designed to capture clear, distortion-free stereo sound. The X/Y configuration provides a natural stereo image, ideal for recording music, interviews, and ambient sounds.

Image 5.1: The Xvive XV1-R's X/Y microphones, designed for capturing clear, distortion-free sound with a maximum SPL of 130dB.

For optimal recording, position the device appropriately relative to your sound source. The 130dB Max SPL ensures that even loud sources can be recorded without clipping, provided input levels are set correctly.

5.2. Basic Recording

1. Ensure a microSD card is inserted and the device is powered on.
2. Adjust input levels using the gain controls or menu settings to prevent clipping. Monitor levels on the display.
3. Press the **RECORD** button (3) once to enter record standby mode.
4. Press the **RECORD** button (3) again to start recording. The record indicator will illuminate.
5. To stop recording, press the **STOP** button (11). The file will be saved automatically.

5.3. Playback

1. From the main screen, navigate to your desired recording using the **PREV** (10) and **NEXT** (6) buttons.
2. Press the Play button (center of navigation cluster) to start playback.
3. Adjust playback volume using **VOLUME+** (13) and **VOLUME-** (14).

4. Press **STOP** (11) to end playback.

5.4. Menu Navigation and Settings

Press the **MENU** button (9) to access various settings such as recording format, sample rate, input gain, and system preferences. Use the navigation buttons (PLUS/UP, PREV, NEXT) to browse and the Play button to select.

Image 5.4: The Xvive XV1-R supports multiple file formats including WAV (44.1kHz, 48kHz, 96kHz, 24-bit float, 32-bit float) and M4A (HE-AAC, AAC-LBR, AAC-MBR, AAC-HBR).

5.5. Using Built-in Audio Effects

The XV1-R includes a limiter, noise gate, and lo-cut filter to optimize your recordings.

Image 5.5: The Effects menu on the Xvive XV1-R, showing options for Lowcut, Gate, Compressor, and Limiter.

- **Lo-Cut Filter:** Reduces unwanted low-frequency noise (e.g., wind, rumble).
- **Noise Gate:** Eliminates background noise below a certain threshold.
- **Limiter:** Prevents audio clipping by automatically reducing levels when they exceed a set point.

Access these effects through the **MENU** and navigate to the "Effects" section. Adjust parameters as needed.

5.6. Advanced Recording Functions

Image 5.6: The Xvive XV1-R offers multifunction recording capabilities including Auto-Recording, Pre-Recording, Overdub, and Auto-level.

- **Auto-Recording:** The device can be set to automatically start recording when audio levels exceed a predefined threshold.
- **Pre-Recording:** Captures a few seconds of audio before the record button is pressed, ensuring you don't miss the beginning of a sound event.
- **Overdub:** Allows you to record new audio over an existing track.
- **Slate Tone Generator:** Produces a reference tone for synchronizing audio with video.
- **Film Markers:** Add markers to your recordings for easy navigation during post-production, especially useful for filmmaking.

6. Maintenance

6.1. Cleaning

Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or solvents.

6.2. Battery Care

- Remove batteries if the device will not be used for an extended period to prevent leakage.
- Use high-quality alkaline or rechargeable NiMH batteries for optimal performance.

6.3. Storage

Store the XV1-R in a cool, dry place away from direct sunlight and extreme temperatures.

7. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	◦ Low or dead batteries. ◦ Incorrect battery insertion.	◦ Replace batteries with fresh ones. ◦ Check battery polarity. ◦ Connect via USB-C for power.
Cannot record.	◦ No microSD card inserted. ◦ MicroSD card full or corrupted. ◦ Input level too low.	◦ Insert a formatted microSD card. ◦ Delete old files or replace the card. ◦ Increase input gain.
Poor audio quality (distortion/noise).	◦ Input level too high (clipping). ◦ External noise interference. ◦ Incorrect audio effect settings.	◦ Reduce input gain. ◦ Enable Lo-Cut filter or Noise Gate. ◦ Adjust Limiter settings.
Computer does not recognize device as audio interface.	◦ Incorrect mode selected on device. ◦ USB cable issue.	◦ Ensure "Audio Interface" mode is selected. ◦ Try a different USB-C cable or port.

8. Specifications

Feature	Detail
Model	XV1-R
Recording Quality	24-bit int, 32-bit float up to 96kHz

Feature	Detail
Supported File Formats	HE-AAC, AAC-LC, WAVF32, WAV24 PCM (mono/stereo)
Maximum SPL	130dB
Storage Media	microSD, microSDHC, microSDXC (up to 128 GB)
Inputs	1/8-inch stereo mic/line input
Outputs	1/8-inch stereo line output
Interface	USB Type-C (data and power)
Power Supply	2 x AA batteries (alkaline, lithium, or NiMH) or USB power
Battery Life	Up to 12 hours (with AA alkaline batteries)
Item Weight	8.4 ounces
Package Dimensions	8.15 x 4.17 x 1.65 inches

9. Warranty and Support

Xvive products are designed for reliability and performance. For warranty information, please refer to the warranty card included with your product or visit the official Xvive website. For technical support, product inquiries, or service, please contact Xvive customer support through their official channels.
You can find more information and support resources by visiting theXvive Store on Amazon.