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› **Xvive U45 Wireless in Ear Monitor System 5.8ghz IEM System Transmitter and bodypack Receiver for Studio, Band Rehearsal, Live Performance, Channel Scan Mode - User Manual**

Xvive U45

Xvive U45 Wireless In-Ear Monitor System User Manual

Model: U45 | Brand: Xvive

INTRODUCTION

This user manual provides comprehensive instructions for the Xvive U45 Wireless In-Ear Monitor System. Designed for studio, band rehearsal, and live performance environments, the U45 system offers reliable 5.8 GHz true diversity wireless audio transmission, ensuring crystal-clear sound and freedom of movement. Please read this manual thoroughly before operating the device to ensure proper setup, optimal performance, and longevity of your system.

WHAT'S IN THE BOX

The Xvive U45 system package includes the following components:

- U45 Transmitter
- U45 Receiver
- 1/4" TS Adapter
- USB-C Charging Cable (dual)
- User Manual
- Storage Bag

1 **Input:** balanced XLR input jack
2 **Lock:** secures Transmitter
3 **Aux/Line mode:** aux / line
4 **Power switch:** switches unit on/off
5 **Channel LED:** indicates selected CH
6 **Channel switch:** selects channels 1-6

7 **Volume control:** headphone output
8 **Channel switch:** selects Channels 1-6
    Scan CH: Hold for 3 seconds
9 **Channel LED:** indicates selected CH
10 **Power switch:** switches unit on/off
11 **Headphone output:** 3.5 mm / 1/8" jack

Figure 1: Contents of the Xvive U45 System. This image displays the U45 transmitter, U45 receiver, a 1/4" TS adapter, a dual USB-C charging cable, and a black storage bag, illustrating all items included in the product package.

SETUP

1. Initial Charging

Before first use, fully charge both the U45 Transmitter and Receiver using the provided dual USB-C charging cable. Connect the cable to a standard USB power adapter (not included). A full charge takes approximately 2 hours and provides up to 5 hours of battery life. A 10-minute charge can provide 1 hour of use.

2. Connecting the Transmitter

The U45 Transmitter features a balanced XLR input jack. Connect the transmitter directly to your audio interface, mixer, or other audio source. If your source has a 1/4" TS output, use the included 1/4" TS adapter to connect it to the transmitter's XLR input.

Figure 2: U45 Transmitter and Receiver. This image shows the U45 transmitter with its XLR connector and the U45 receiver, along with a 1/4" TS adapter, demonstrating the primary components of the system.

3. Powering On and Channel Selection

Turn on both the transmitter and the receiver. The U45 system offers 6 selectable channels. To find the best available channel, hold the receiver's channel button for 3 seconds to initiate Channel Scan mode. The receiver's LED will flash during scanning and then remain steady on the optimal wireless channel. Manually set the transmitter's channel to match the receiver's selected channel.

Figure 3: Channel Scan Mode. This image illustrates the U45 receiver and transmitter with a visual representation of the 5.8 GHz signal and the channel scan function, highlighting how the system identifies the best signal.

Watch this video for a quick guide on setting up and using the Xvive U45 system:

Your browser does not support the video tag.

Video 1: Xvive U45 Wireless In-Ear Monitor System Overview. This video demonstrates the quick setup process, including plugging in, powering up, and selecting a channel. It also highlights the true diversity technology, multi-receiver capabilities, and the benefits of the 5.8 GHz frequency band.

OPERATING INSTRUCTIONS

True Diversity Technology

The U45 system incorporates true diversity technology, utilizing dual antennas on the receiver. This feature allows the receiver to constantly scan and select the strongest signal from the transmitter, effectively preventing dropouts

and ensuring a stable, uninterrupted audio feed. This is crucial for reliable performance in dynamic environments.

Figure 4: True Diversity Technology. This graphic illustrates the concept of true diversity, showing how the 5.8 GHz signal is received with enhanced signal stability, greater coverage range, and reduced multipath effects, ensuring a robust wireless connection.

Multi-Receiver Monitoring

One U45 Transmitter can send the same audio mix to multiple U45 Receivers simultaneously. This feature simplifies group monitoring for bands or multiple performers, allowing everyone to receive the same mix from a single source. Ensure all receivers are set to the same channel as the transmitter for seamless operation.

5.8 GHz Frequency Band

The U45 system operates on the 5.8 GHz frequency band. This band is generally less crowded than the 2.4 GHz band, which is commonly used by Wi-Fi and other wireless devices. Operating in 5.8 GHz helps to avoid interference, providing a cleaner and more reliable signal for your in-ear monitoring needs, especially in environments with multiple wireless systems.

Controls and Indicators

Familiarize yourself with the controls and indicators on both the transmitter and receiver for optimal use:

Figure 5: Controls and Indicators. This detailed diagram labels the various inputs, switches, and LEDs on both the U45 transmitter and receiver, including the balanced XLR input, AUX/LINE mode switch, power switch, channel LEDs, channel switch, volume control, and headphone output.

- **Transmitter Controls:**

  - **Input:** Balanced XLR input jack for audio source connection.
  - **Lock:** Secures the transmitter to prevent accidental changes.
  - **Aux/Line Mode:** Switches between auxiliary and line input levels.
  - **Power Switch:** Turns the unit on/off.
  - **Channel LED:** Indicates the currently selected channel.
  - **Channel Switch:** Selects channels 1-6.

- **Receiver Controls:**

  - **Volume Control:** Adjusts headphone output volume.
  - **Channel Switch:** Selects channels 1-6.
  - **Scan CH:** Hold for 3 seconds to initiate channel scan.
  - **Channel LED:** Indicates the currently selected channel.

- **Power Switch:** Turns the unit on/off.
- **Headphone Output:** 3.5 mm / 1/8" jack for in-ear monitors.

Maintenance

Battery Care

The U45 system features built-in rechargeable Lithium-Ion batteries. To maximize battery life:

- Avoid fully discharging the batteries regularly.
- Store the units with a partial charge (around 50%) if not used for extended periods.
- Use only the provided USB-C charging cable.
- Do not expose the units to extreme temperatures.

5.8 GHz	110 dB	100 FT	24-bit / 48 kHz	5 ms	SCANS
5.8 GHZ TRUE DIVERSITY WIRELESS	SIGNAL-TO-NOISE RATIO	MORE THAN 100FT OF RANGE	HIGH-RESOLUTION AUDIO	LESS THAN 5 MS LATENCY	SCANS FOR WIRELESS STATUS

Figure 6: U45 System in Use. This image shows the U45 transmitter and receiver in a live setting, emphasizing features like 5.8 GHz

true diversity wireless, 110 dB signal-to-noise ratio, over 100 ft range, 24-bit/48kHz high-resolution audio, less than 5 ms latency, and channel scanning capabilities.

Cleaning

Clean the units with a soft, dry cloth. Do not use liquid cleaners or solvents. Ensure no moisture enters the ports or openings.

TROUBLESHOOTING

No Sound or Intermittent Audio

- **Check Power:** Ensure both the transmitter and receiver are powered on and have sufficient battery charge.
- **Match Channels:** Verify that the transmitter and receiver are set to the same channel. Use the channel scan function on the receiver to find the clearest channel.
- **Volume Levels:** Confirm that the volume on the receiver is turned up and that the audio source connected to the transmitter is sending a signal.
- **Cable Connections:** Ensure all cables (XLR, TS adapter, headphones) are securely connected.
- **Range:** The system has a solid RF connection over a 100 ft (30.5 m) distance. Ensure you are within this range.

Interference

- **Change Channel:** If you experience interference, perform a channel scan on the receiver to find a less congested channel and match the transmitter accordingly.
- **Minimize Obstructions:** Large metal objects or thick walls can interfere with wireless signals. Try to maintain a clear line of sight between the transmitter and receiver.
- **Distance from Other Devices:** While the 5.8 GHz band is less crowded, keep the units away from other high-power wireless devices if possible.

SPECIFICATIONS

Feature	Detail
Model Name	U45
Connectivity Technology	Wireless (RF)
Wireless Frequency	5.8 GHz
Dynamic Range	110 dB
Audio Quality	24-bit / 48kHz
Audio Latency	Less than 5 Milliseconds
Operating Range	Up to 100 ft (30.5 m)

Feature	Detail
Battery Life	Up to 5 Hours
Charging Time	Approx. 2 Hours
Headphones Jack	3.5 mm Jack
Material	Metal
Item Weight	13.1 ounces
Product Dimensions	3.8 x 3 x 3 inches

WARRANTY AND SUPPORT

The Xvive U45 Wireless In-Ear Monitor System comes with a manufacturer's warranty. For detailed warranty information, product support, or service inquiries, please refer to the official Xvive website or contact Xvive customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

For additional resources and frequently asked questions, visit the Xvive Store on Amazon.