

Xvive U7

Xvive U7 Saxophone Microphone Wireless System Instruction Manual

1. INTRODUCTION

The Xvive U7 is a 2.4 GHz wireless microphone system designed for brass instruments such as saxophones, trumpets, and trombones. This manual provides detailed instructions for the proper setup, operation, and maintenance of your U7 system to ensure optimal performance and longevity.



Image 1.1: Xvive U7 Saxophone and Trumpet Wireless System.

1.1 Package Contents

Verify that all items listed below are included in your package:

- U7 Transmitter and Receiver System
- Microphone with Gooseneck
- Saxophone/Trumpet Clip
- Carry Case
- Type-C Charging Cable

- Fur Windshield
- Foam Windscreen
- User Manual (this document)



Image 1.2: All components included in the Xvive U7 system package.

2. SETUP GUIDE

2.1 Charging the System

Before initial use, fully charge both the transmitter and receiver using the provided Type-C charging cable. Connect the cable to a standard USB power adapter (not included). The charging indicator lights will show the charging status and turn off when fully charged. A full charge provides up to 5 hours of battery life.

2.2 Attaching the Microphone

Attach the microphone unit to your instrument using the saxophone/trumpet clip. The clip features a rubberized design to protect your instrument's finish. Position the gooseneck microphone to capture the desired sound from the

instrument's bell. The gooseneck design helps reduce resonance and minimize key click sounds.



The image shows a man in a tuxedo playing a saxophone. A small, black, gooseneck microphone is attached to the bell of the saxophone. The background is dark blue with white text and icons listing the microphone's features.

- 2.4 GHz**
Band frequency
- 90 FT**
More than 90ft of range
- 6 Channels**
Wireless channels
- 110 dB**
Signal-to-noise ratio
- 24-bit / 48 kHz**
High-resolution audio

Max. SPL: 142 dB
Latency: less than 5 ms
USB type: USB Type-C
Battery life: up to 5 hours
Microphone type: supercardioid
Frequency response: 20 Hz – 20 kHz (-3dB)

Image 2.1: The Xvive U7 microphone system properly attached to a saxophone.





Image 2.2: Detail of the humanized operation design clip, showing rubber protection for brass instruments.

Shock-Absorbing Gooseneck Microphone

Effectively reduces resonance and significantly minimizes the sound of key clicks on saxophones

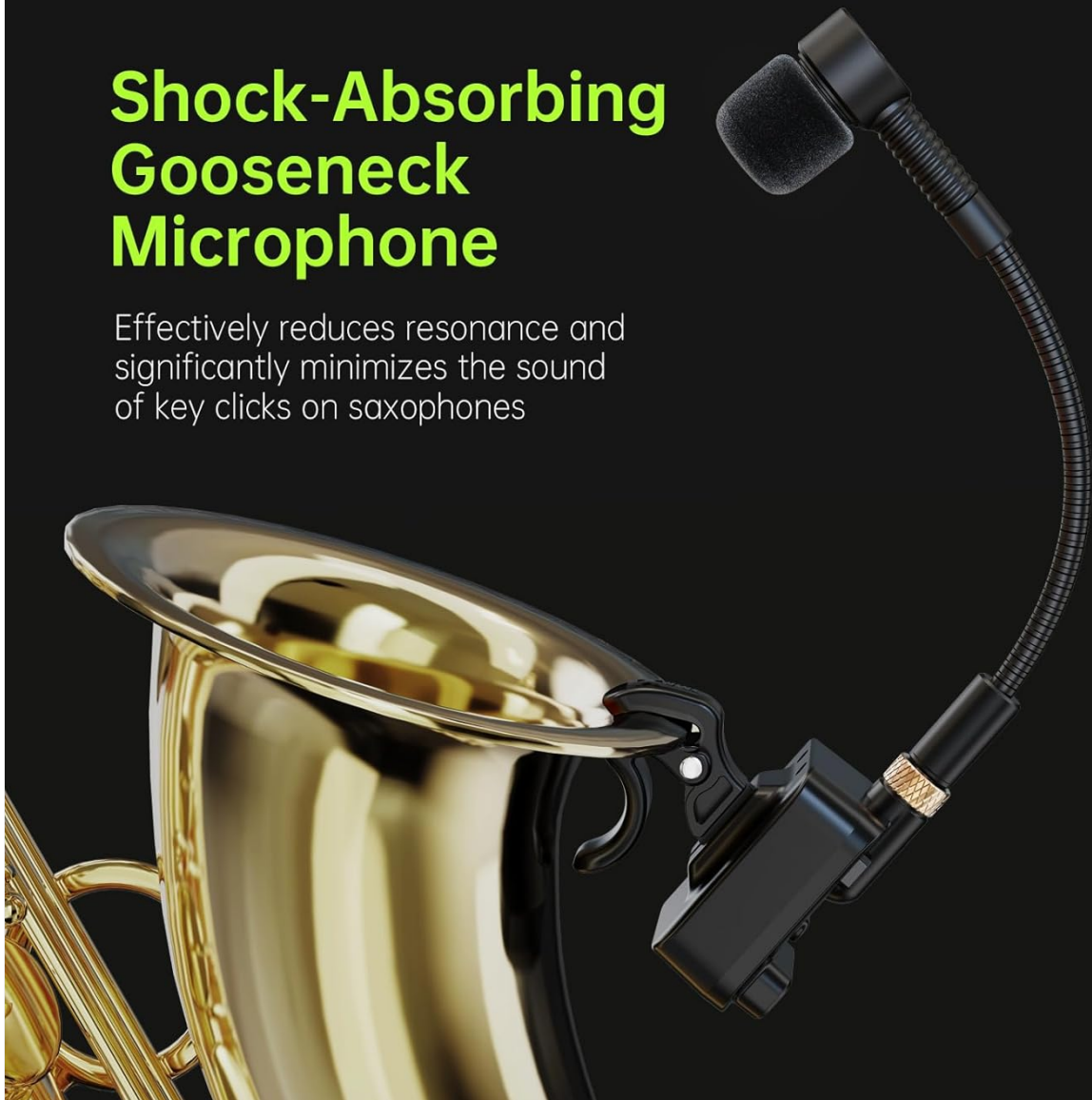


Image 2.3: The shock-absorbing gooseneck microphone effectively reduces resonance and key clicks.

2.3 Connecting the Receiver

Plug the U7 receiver directly into the XLR input of your amplifier, audio interface, or mixer. Ensure the connection is secure. The receiver is designed for direct integration into standard audio equipment.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

To power on the transmitter and receiver, press and hold the power button on each unit until the indicator lights illuminate. To power off, press and hold the power button again until the lights turn off.

3.2 Channel Selection

The U7 system offers up to 6 channel options. To change the channel, press the 'CH' button on the transmitter. The channel indicator lights will show the currently selected channel. Ensure the transmitter and receiver are set to the same channel for proper operation. This flexibility helps prevent interference in complex wireless environments.

3.3 Pairing

The U7 system typically pairs automatically when both the transmitter and receiver are powered on and set to the same channel. If pairing does not occur, ensure both units are within range (up to 90 ft) and try cycling the power on both devices.

3.4 Usage Tips

- For optimal wireless performance, maintain a clear line of sight between the transmitter and receiver.
- Avoid placing the receiver near other 2.4 GHz wireless devices to minimize potential interference.
- Regularly check battery levels to prevent interruptions during performances.
- Use the included fur or foam windscreens to reduce wind noise in outdoor or high-airflow environments.

4. FEATURES AND PERFORMANCE

The Xvive U7 system is engineered for high-quality audio transmission and reliable performance:

- **Broader Compatibility:** Equipped with a supercardioid microphone, suitable for tenor, soprano, baritone, and alto saxophones, trumpets, trombones, and other brass instruments.
- **Exceptional Performance:** Features a dynamic range of up to 108 dB and a sound pressure level (SPL) of 142 dB, ensuring clear and nuanced sound without overloading.
- **Innovative Gooseneck Mic Design:** Effectively reduces resonance and minimizes key clicks on saxophones for a clean audio output.
- **Multi-Channel Flexibility:** Offers up to 6 channel options for stable audio transmission in complex wireless environments, preventing interference.
- **Ultra-Low Latency:** Boasts a latency of less than 5 ms, providing real-time audio reproduction for professional performance.
- **High-Resolution Audio:** 24-bit / 48 kHz sample rate for detailed and accurate sound capture.
- **Wireless Range:** Operates reliably up to 90 feet (27 meters).
- **Audio Frequency Response:** 20 Hz – 20 kHz.



Image 4.1: Key specifications and features of the Xvive U7 system.



Image 4.2: The Xvive U7 is suitable for a variety of brass instruments.

Why is U7 better

Xvive U7 wireless saxophone mic offers superior audio quality, thanks to its 24-bit/48 kHz sampling rate and 142 dB SPL. The 48 kHz rate broadens the frequency response, capturing more detail and minimizing aliasing for clean digital conversion. The 24-bit precision provides a greater dynamic range and SNR, enabling it to pick up sounds from soft to loud while preserving clarity and detail. The 142 dB SPL allows it to handle high volumes without distortion, making it suitable for recording loud instruments or dynamic sound changes


146 dB SPL	5 ms		24-bit / 48 kHz
146 dB SPL	Latency: Less than 5 ms	Shock absorbing	High resolution

Image 4.3: Internal components of the microphone designed to minimize resonance.

5. MAINTENANCE

5.1 Cleaning

Wipe the transmitter, receiver, and microphone with a soft, dry cloth after each use. Do not use harsh chemicals, solvents, or abrasive cleaners. Ensure no moisture enters the charging ports or microphone capsule.

5.2 Storage

Store the Xvive U7 system in its provided carry case when not in use. Keep it in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. Remove the foam windscreen or fur windshield if storing for extended periods to allow for air circulation.



Image 5.1: The Xvive U7 system and accessories stored in its protective carry case.

6. TROUBLESHOOTING

If you encounter issues with your Xvive U7 system, refer to the following common problems and solutions:

- **No Sound Output:**
 - Ensure both the transmitter and receiver are powered on.
 - Verify that the transmitter and receiver are set to the same channel.
 - Check battery levels on both units.
 - Confirm the receiver is securely plugged into the audio input of your mixer/amplifier.

- Test with a different XLR cable if possible.
- **Interference or Dropouts:**
 - Change to a different channel on both the transmitter and receiver.
 - Ensure the operating distance is within the specified 90 ft range.
 - Minimize obstructions between the transmitter and receiver.
 - Move away from other 2.4 GHz wireless devices (Wi-Fi routers, other wireless systems).
- **Short Battery Life:**
 - Ensure both units are fully charged before use.
 - Battery performance can degrade over time; consider battery replacement if significantly reduced.

7. TECHNICAL SPECIFICATIONS



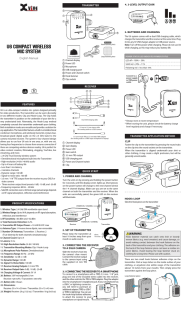
Feature	Specification
Model Name	U7
Brand	Xvive
Connectivity Technology	RF (2.4 GHz)
Connector Type	XLR
Special Feature	Clip-on Design
Compatible Devices	Amplifier, Audio Interface, Audio Mixer
Polar Pattern	Super Cardioid
Microphone Form Factor	Microphone System
Power Source	Battery Powered
Battery Type	Lithium Ion (2 required, included)
Battery Life	Up to 5 hours
Number of Channels	6
Frequency Response	20 Hz – 20 kHz
Sample Rate	24-bit / 48 kHz
Dynamic Range	108 dB
Sound Pressure Level (SPL)	142 dB
Latency	Less than 5 ms
Wireless Range	90 ft (27 meters)







Feature	Specification
Material	Alloy Steel
Item Weight	1.26 pounds
Package Dimensions	8.39 x 5.63 x 2.91 inches

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official Xvive website or the warranty card included with your product. Xvive provides customer support for product inquiries, technical assistance, and warranty claims. Keep your proof of purchase for any warranty-related services.

Related Documents - U7

	<p>Xvive U7, U8, U9 Wireless Systems User Manual and Quick Start Guide</p> <p>Comprehensive guide to Xvive U7, U8, and U9 wireless systems for instruments like saxophones, trumpets, guitars, and violins, covering features, specifications, setup, and troubleshooting.</p>
	<p>Xvive Wireless System U7, U8, U9: User Manual and Specifications</p> <p>Comprehensive guide to the Xvive U7, U8, and U9 wireless systems, covering features, specifications, quick start instructions, safety information, and warranty details for saxophone, trumpet, guitar, and violin.</p>
	<p>Xvive U6 Compact Wireless Mic System User Manual</p> <p>Comprehensive user manual for the Xvive U6 Compact Wireless Mic System, detailing features, setup, specifications, application methods, safety guidelines, and warranty information for professional audio capture.</p>

<div> MICRO LAVALIER MICROPHONE 3 mm 0.12 m subminiature microphone</div> <div></div> <div><p>Small size, high performance, 3mm subminiature lavalier microphone. It offers a high level of speech intelligibility, and is easily hidden in costumes, hair, headbands, etc. — even just a pocket microphone — on the theatre and broadcast.</p><p>Features</p><ul style="list-style-type: none">Light and unobtrusiveExcellent response across the frequency range3.5 mm 0.12 m subminiature microphoneClear and well-defined soundHighly flexible, easy to handle designMicrophone capsule with ultra-thin diaphragmThe package is and is compatible with range of 3.5 mm<table><thead><tr><th colspan="2">LV2 LAVALIER MICROPHONE</th></tr></thead><tbody><tr><td>Size (mm)</td><td>3.5 x 12.5</td></tr><tr><td>Weight (g)</td><td>0.5</td></tr><tr><td>Impedance (ohm)</td><td>200</td></tr><tr><td>Frequency response</td><td>40 Hz - 20 kHz</td></tr><tr><td>Self-noise (dB)</td><td>20</td></tr><tr><td>Max. SPL (dB)</td><td>120</td></tr><tr><td>Max. output power (W)</td><td>0.1</td></tr></tbody></table><p>Microphone connector</p><p>3.5 mm 0.12 m subminiature microphone</p><p>3.5 mm 0.12 m subminiature microphone</p></div>	LV2 LAVALIER MICROPHONE		Size (mm)	3.5 x 12.5	Weight (g)	0.5	Impedance (ohm)	200	Frequency response	40 Hz - 20 kHz	Self-noise (dB)	20	Max. SPL (dB)	120	Max. output power (W)	0.1	<p>Xvive LV2 Micro Lavalier Microphone - High-Performance Subminiature Mic</p> <p>Detailed information on the Xvive LV2, a high-performance 3mm subminiature lavalier microphone offering superior audio clarity and natural response. Features, specifications, and quick start guide.</p>
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<div> U35C MICROPHONE WIRELESS SYSTEM</div> <div></div>	<p>Xvive U35C Microphone Wireless System User Guide</p> <p>Comprehensive user guide for the Xvive U35C 5.8 GHz wireless microphone system, detailing features, setup, operation, safety, and specifications for condenser microphones.</p>																
<div> U35 MICROPHONE WIRELESS SYSTEM</div> <div></div>	<p>Xvive U35 5.8 GHz Wireless Microphone System User Manual</p> <p>Comprehensive user guide for the Xvive U35 5.8 GHz digital wireless microphone system, covering features, setup, operation, troubleshooting, and specifications for dynamic microphones and audio transmission.</p>																