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## XTUGA c-977

# XTUGA C-977 UHF Wireless XLR Transmitter and Receiver User Manual

Model: C-977

Brand: XTUGA

Date: December 2022

## SAFETY INFORMATION

Please read and understand the following safety guidelines before operating your XTUGA C-977 wireless system to ensure safe and optimal performance.

- Battery Handling:** Do not expose batteries to excessive heat, direct sunlight, or fire. Do not short-circuit, disassemble, or modify the batteries. Dispose of used batteries according to local regulations.
- Interference:** This device operates on UHF frequencies and may experience interference from other wireless devices, Wi-Fi equipment, or strong electromagnetic fields. Maintain a reasonable distance from such sources.
- Environmental Conditions:** Avoid using the device in extremely hot, cold, humid, or dusty environments. Protect it from water and other liquids.
- Maintenance:** Do not attempt to open or service the device yourself. Refer all servicing to qualified personnel.
- Disposal:** At the end of its lifespan, dispose of the product and its accessories responsibly, following local environmental regulations.

## PRODUCT OVERVIEW

The XTUGA C-977 is a versatile UHF wireless audio transmitter and receiver system designed to convert wired XLR microphones and instruments into wireless setups. It offers reliable performance for dynamic microphones, condenser microphones, audio mixers, electric guitars, and basses.

## Key Features

- UHF Wireless Technology:** Utilizes the UHF band to minimize interference from electronic products like phones, TVs, routers, and Wi-Fi equipment.
- 16 Selectable Channels:** Provides 16 frequency points, allowing multiple systems to be used

simultaneously without interference.

- **Extended Working Distance:** Offers a working range of up to 164 feet (50 meters), providing freedom of movement.
- **Long Battery Life:** Equipped with built-in rechargeable lithium batteries, ensuring 5-8 hours of continuous operation for the transmitter and 8 hours for the receiver.
- **Versatile Compatibility:** Supports XLR microphones (with selectable 0V/5V/48V modes) and is suitable for guitar audio reception.
- **Intelligent Screen Display:** Features a clear display showing real-time battery level, frequency, and working status.
- **Zero Latency:** Delivers high-quality audio with 24-bit resolution and a 48KHz sampling frequency, ensuring minimal delay.

## Package Contents

- Receiver (x1)
- Transmitter (x1)
- XLR to 6.35mm plug adapter (x1)
- 6.35mm to XLR plug adapter (x1)
- USB Charging Cable (x1)
- User Manual (x1)

## Product Diagram

# PRODUCT DESCRIPTION



1. XLR adapter	7. XLR adapter
2. Display	8. Charging display light
3. Frequency adjustment	9. RF light
4. Power charging	10. Power charging
5. Volume adjustment	11. Electric display light
6. Power	12. Power

XTUGA C-977 Transmitter and Receiver Components

## Transmitter (Left Unit in Diagram):

1. XLR adapter
2. Display screen
3. Frequency adjustment buttons (CH+/CH-)
4. Power charging port (USB-C)
5. Volume adjustment buttons (VOL+/VOL-)
6. Power button

## Receiver (Right Unit in Diagram):

7. XLR adapter
8. Charging display light (CHR)
9. RF light
10. Power charging port (USB-C)
11. Electric display light (AF)
12. Power button

## SETUP INSTRUCTIONS

## Initial Charging

Before first use, fully charge both the transmitter and receiver using the provided USB charging cable. The charging indicator light will show the charging status. A full charge typically takes approximately 4 hours.



Charging the XTUGA C-977 Units

Text description: The image displays the transmitter and receiver units, highlighting their battery life and indicating approximately 8 hours of use time after 4 hours of charging.

## Connecting the Transmitter

1. Connect the XTUGA C-977 transmitter directly to your dynamic microphone's XLR output. For condenser microphones, ensure the appropriate 0V/5V/48V mode is selected on the transmitter (refer to 'Microphone Mode Selection' in Operating Instructions).
2. If using with a guitar or other instrument with a 6.35mm output, attach the provided XLR to 6.35mm plug adapter to the transmitter, then plug it into your instrument's output jack.

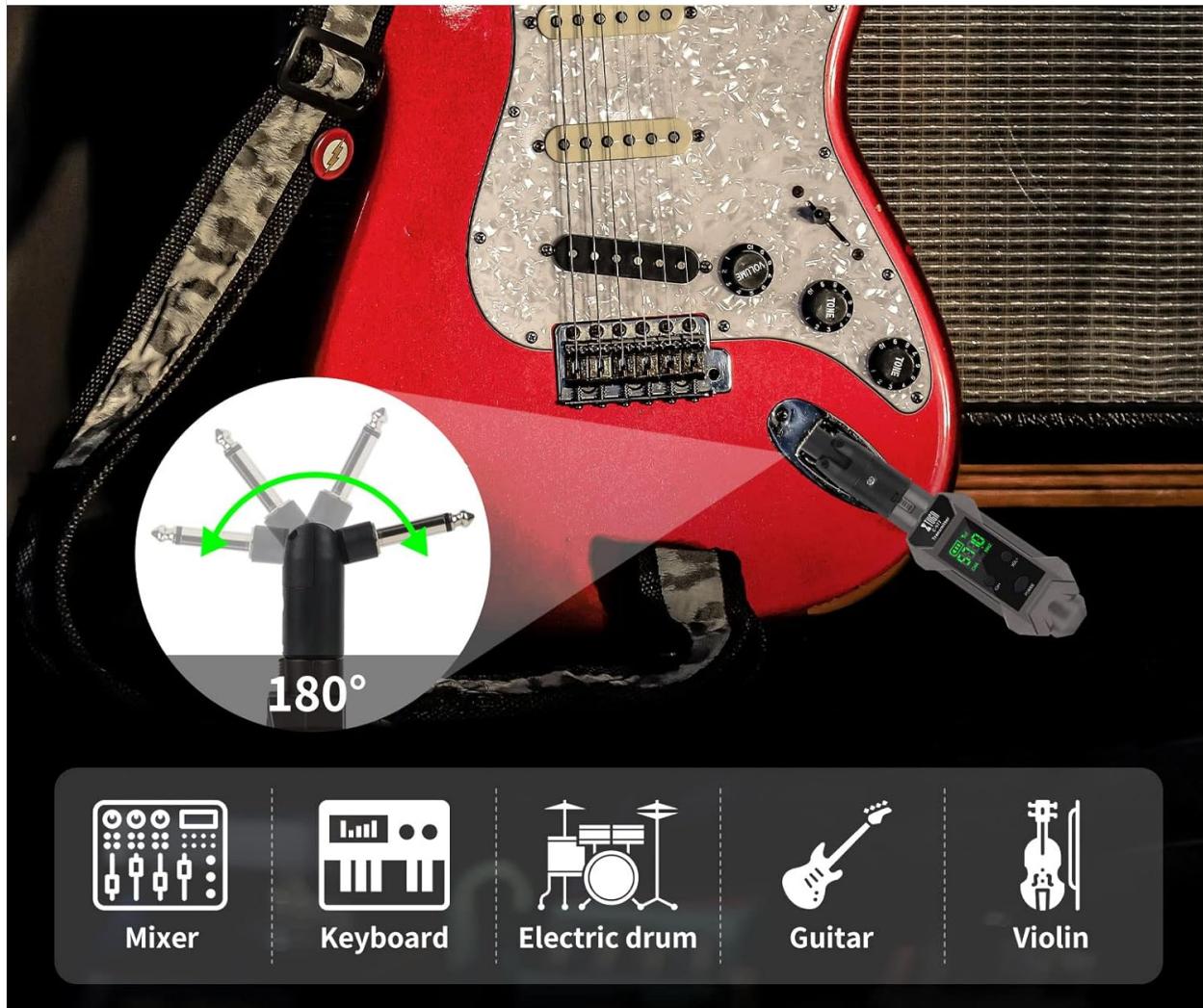
## Connecting the Receiver

1. Connect the XTUGA C-977 receiver to the XLR input of your audio mixer, PA system, or amplifier.

2. If your input device uses a 6.35mm jack, attach the provided 6.35mm to XLR plug adapter to the receiver, then plug it into your device's input jack.

# WIRELESS ADUO SYSTEM

Suit for electronic music instruments



Connecting the Receiver to Instruments

Text description: This image illustrates the receiver connected to an electric guitar, demonstrating its compatibility with mixers, keyboards, electric drums, guitars, and violins, and showing the 180-degree rotatable plug for flexible positioning.

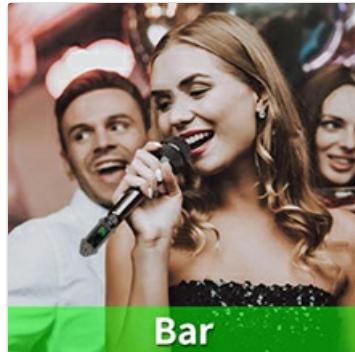
## OPERATING INSTRUCTIONS

### Powering On/Off

Press and hold the "POWER" button on both the transmitter and receiver for approximately 3 seconds to turn them on or off.

### Automatic Frequency Pairing

The C-977 system features automatic IR frequency pairing. Once both units are powered on, they should automatically connect. The RF light on the receiver will illuminate when a stable connection is established.



Automatic IR Frequency Pairing

Text description: The image depicts the receiver and a microphone with the transmitter, indicating automatic IR frequency pairing within the 500-950MHz range, automatic frequency search, manual FM, and infrared pairing capabilities.

## Channel Selection

If you encounter interference or need to operate multiple wireless systems simultaneously, you can change the operating channel:

1. Short press the "CH+" or "CH-" buttons on the transmitter to cycle through the available 16 UHF channels.
2. The receiver will automatically sync to the new channel.

# UHF AUTOMATIC FREQUENCY

16 frequency points, support multiple sets to use at the same.



Using Multiple Systems with 16 Channels

Text description: This image shows a stage setup with a singer and multiple microphones connected to a mixer using XTUGA C-977 receivers, illustrating the system's ability to use 16 frequency points simultaneously.

## Volume Adjustment

Use the "VOL+" and "VOL-" buttons on the transmitter to adjust the input volume level as needed.

## Microphone Mode Selection (for XLR Transmitter)

The transmitter supports three microphone modes (0V, 5V, 48V) for compatibility with various microphone types:

1. Long press the "CH+" button for 3 seconds to switch between 0V (for dynamic microphones), 5V (for condenser microphones requiring 5V bias), and 48V (for condenser microphones requiring phantom power).
2. The display will show the currently selected mode. The system retains the last adjusted mode after restarting.

# THREE ADJUSTMENT MODES

Built-in 0V, 5V, 48V modes, compatible with a variety of devices.



**Long press 3s**

Switch mode

**Short press**

Display mode



**DYNAMIC  
MIC  
MODE**



**CONDENSER  
MODE**



**CONDENSER  
MODE**



With memory function, restart the default mode last adjusted.



Microphone Mode Selection

Text description: The diagram details how to long-press the CH+ button for 3 seconds to switch between 0V (dynamic mic), 5V (condenser mic), and 48V (condenser mic) modes, with corresponding display indicators.

## MAINTENANCE

Proper maintenance will extend the lifespan of your XTUGA C-977 wireless system.

- Cleaning:** Regularly wipe the devices with a soft, dry cloth. Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the finish or internal components.
- Storage:** Store the units in a cool, dry place away from direct sunlight, high humidity, and extreme temperatures when not in use.
- Battery Care:** Recharge the built-in batteries regularly, even if the units are not in frequent use, to maintain optimal battery health and prevent deep discharge.
- Ports:** Ensure all charging ports and connectors are free from dust, dirt, and debris to prevent connection issues.

## TROUBLESHOOTING

If you encounter any issues with your XTUGA C-977 system, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
No Sound / Intermittent Sound	Low battery on transmitter or receiver.	Recharge both units fully.
No Sound / Intermittent Sound	Units are not paired or on different channels.	Ensure both units are powered on and the RF light on the receiver is solid. If not, try changing channels on the transmitter to re-sync.
No Sound / Intermittent Sound	Distance too far or obstructions.	Reduce distance between transmitter and receiver. Ensure a clear line of sight.
No Sound / Intermittent Sound	Incorrect microphone mode selected (for XLR).	Long press CH+ on transmitter to select the correct 0V/5V/48V mode for your microphone.
Hissing / Static Noise	Interference from other electronic devices.	Move the receiver away from Wi-Fi routers, phones, TVs, or other wireless equipment. Try a different channel.
Hissing / Static Noise	Loose connections.	Check all cable connections (XLR, 6.35mm adapters) for secure fit.
Short Battery Life	Old battery or frequent heavy use.	Ensure full charge before use. Battery life naturally degrades over time.

## SPECIFICATIONS

Detailed technical specifications for the XTUGA C-977 wireless system.

Feature	Detail
Model Number	C-977
Brand	XTUGA
Connectivity Technology	XLR, AUX
Wireless Frequency Band	UHF (500-950MHz)
Channels	16
Working Range	Up to 164ft (50 meters)
Audio Resolution	24-bit / 48KHz
Latency	Zero latency (<0ms)

Feature	Detail
Power Source	Battery Powered (Built-in rechargeable lithium battery)
Transmitter Battery Life	5-8 hours
Receiver Battery Life	8 hours
Charging Time	Approx. 4 hours
Microphone Modes (Transmitter)	0V (Dynamic), 5V (Condenser), 48V (Condenser)
Product Dimensions	6.1 x 5.91 x 2.36 inches
Item Weight	10.5 ounces
Color	Black
Date First Available	December 20, 2022

## WARRANTY AND SUPPORT

XTUGA is committed to providing quality products and customer satisfaction. For detailed warranty information, technical support, or any service inquiries regarding your C-977 wireless system, please refer to the contact information provided in your product packaging or visit the official XTUGA website. Our support team is available to assist you with any questions or concerns.