XTUGA YT8

XTUGA YT8 UHF 8 Channel Desktop Gooseneck Microphone System User Manual

Model: YT8 | Brand: XTUGA

Product Overview

The XTUGA YT8 UHF 8-Channel Desktop Gooseneck Microphone System is designed for large conferences, public speaking, and similar applications, offering super-low background noise and reliable transmission. It features adjustable frequencies and four professional antennas with high frequency stability and accuracy. The PLL digital phase-locked loop multi-channel frequency synthesis technology minimizes interference. The system includes a durable metal housing for the receiver and microphones.

Key features include a super pickup design for high signal-to-noise ratio performance, an operation range of up to 230 feet (70 meters) within line of sight, and an 8-channel UHF wireless network with infrared automatic frequency pairing. The system operates within the 540MHz-599.5MHz frequency range, offering 15 frequency bands per channel. Each microphone has independent volume control and an LED liquid crystal display for real-time work parameters. The metal receiver provides 1 XLR output, 1 MIX output, and 8 audio inputs for versatile connectivity to amplifiers, mixers, or other PA systems.

What's in the Box

- Power Adapter
- User Manual
- XTUGA YT8 UHF 8-Channel Receiver
- 8 x Desktop Gooseneck Microphones
- Antennas (typically 4 for this system)
- Audio Cables (e.g., 1/4" TS cables)

Figure 1: Contents of the XTUGA YT8 UHF 8 Channel Desktop Gooseneck Microphone System. This image displays the main receiver unit with four antennas, eight individual desktop gooseneck microphones, a power adapter, and audio cables, illustrating all components included in the package.

Setup Instructions

1. **Unpack Components:** Carefully remove all items from the packaging and inspect them for any damage.
2. **Position the Receiver:** Place the UHF receiver unit in a central location, ideally within line of sight of where the microphones will be used. Ensure it is away from large metal objects or other electronic devices that could cause interference.

Figure 2: The XTUGA YT8 receiver unit with its eight gooseneck microphones, ready for setup. This image shows the complete system components laid out, highlighting the receiver and the individual microphone units.

3. **Attach Antennas:** Screw the four provided antennas securely into the corresponding antenna ports on the rear of the receiver. Ensure they are oriented vertically for optimal signal reception.
4. **Connect Power:** Connect the power adapter to the DC INPUT port on the receiver and plug it into a suitable power outlet.
5. **Connect to Audio System:**
    - For a mixed output: Connect an XLR cable from the "BALANCED MIX OUT" port on the receiver to your mixer or amplifier's input.
    - For individual microphone outputs: Connect 1/4" TS cables from the individual audio output jacks (1-8) on the receiver to separate input channels on your mixer.

Figure 3: Rear panel of the XTUGA YT8 receiver, detailing the DC input, antenna connections, individual 1/4" audio outputs, and the balanced XLR mix output. This view helps in identifying the correct ports for connecting the system to external audio equipment.

6. **Insert Batteries into Microphones:** Each desktop microphone requires batteries (type typically AA, check manual for specifics). Open the battery compartment and insert them correctly, observing polarity.
7. **Power On:** Turn on the receiver unit using the power switch. Then, turn on each microphone.
8. **Automatic Frequency Pairing (IR Auto-Pairing):** The system features infrared automatic frequency pairing. To pair a microphone with a channel on the receiver, ensure both are powered on. Point the IR sensor on the microphone towards the IR sensor on the receiver's corresponding channel. The system will automatically link the frequency.

Figure 4: Illustration of the IR auto-pairing function. This diagram shows how to align the microphone's IR sensor with the receiver's sensor to automatically synchronize frequencies, simplifying setup.

9. **Adjust Microphone Angle:** The gooseneck microphones allow for adjustable angles to optimize sound pickup.

Figure 5: A close-up of the XTUGA YT8 gooseneck microphone demonstrating its 120-degree adjustable angle. This feature allows users to position the microphone for optimal sound capture during conferences or public speaking.

Operating Instructions

1. **Volume Adjustment:** Use the individual volume control knobs on the receiver for each microphone channel to precisely balance and adjust vocal sound levels. The LED liquid crystal display on the receiver shows real-time work parameters.
2. **Microphone Usage:** Position the gooseneck microphone approximately 6-12 inches from the speaker's mouth for optimal sound pickup. The system is designed for wide pickup, ensuring clear audio even from a short distance.

Figure 6: A user speaking into an XTUGA YT8 gooseneck microphone, demonstrating its wide pickup range of approximately 16 inches. This highlights the microphone's ability to capture clear audio from a reasonable distance.

3. **Frequency Selection:** While the system features auto-pairing, you can manually adjust frequencies if interference is encountered. Refer to the receiver's display and controls for frequency band selection. The system offers 15 frequency bands per channel to avoid interference.

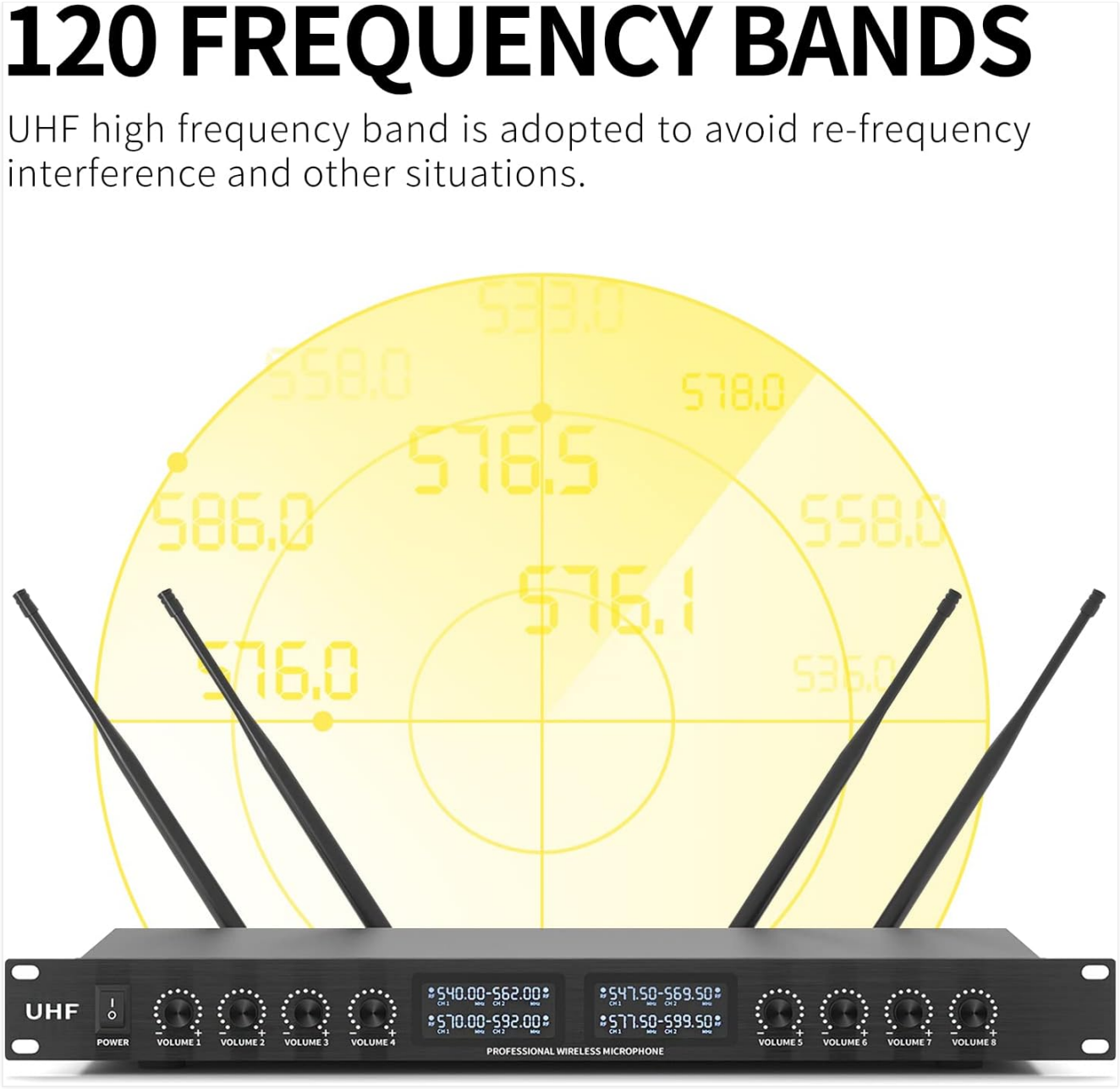

Figure 7: Visual representation of the 120 available frequency bands for the XTUGA YT8 system. This image emphasizes the system's capability to avoid re-frequency interference by offering a wide range of high-frequency bands.

4. **Monitoring Signal Strength:** Observe the signal indicators on the receiver to ensure a strong and stable connection between the microphones and the receiver. The system provides a stable signal and clear sound with an operation range of up to 230 feet (70 meters) within line of sight.

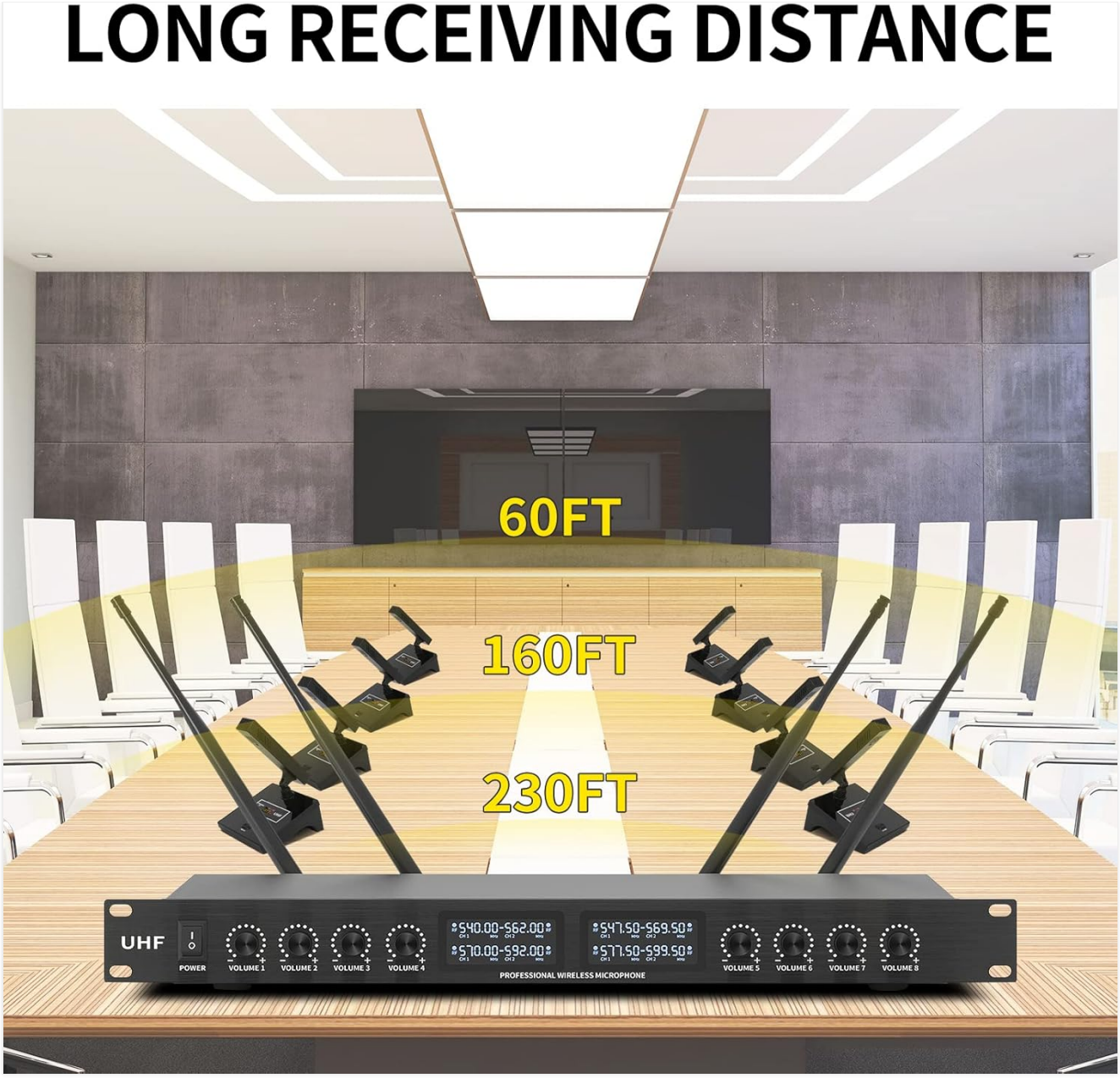

Figure 8: An illustration depicting the long receiving distance of the XTUGA YT8 system, showing effective operation up to 230 feet in a conference room environment. This highlights the system's robust signal range for large spaces.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the receiver and microphones. Avoid using liquid cleaners or abrasive materials.
- **Battery Replacement:** Replace microphone batteries regularly, especially before important events, to ensure consistent performance.
- **Storage:** When not in use, store the system in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Antenna Care:** Handle antennas carefully to prevent bending or damage, which can affect signal quality.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No Sound Output	Receiver not powered on. Microphone not powered on. Low or dead microphone batteries. Incorrect audio cable connection. Volume levels too low. Microphone not paired.	Ensure receiver is plugged in and powered on. Turn on the microphone. Replace batteries in the microphone. Check all audio cable connections to mixer/amplifier. Increase volume on receiver and connected audio system. Perform IR auto-pairing for the microphone.
Interference/Static	Other wireless devices nearby. Operating too far from receiver. Obstructions between microphone and receiver. Frequency conflict.	Move receiver away from other electronics. Reduce distance between microphone and receiver. Ensure clear line of sight. Change the operating frequency of the microphone/channel.
Weak Signal/Dropouts	Low microphone batteries. Antennas not properly connected or oriented. Exceeding operating range.	Replace batteries. Check antenna connections and position. Stay within the specified 230 ft (70m) range.

Specifications

- **Brand:** XTUGA
- **Model Name:** Desktop Microphone (YT8 System)
- **Microphone Form Factor:** Microphone System
- **Number of Channels:** 8
- **Working Frequency Range:** 540MHz-599.5MHz (15 frequency bands per channel)
- **Operation Range:** Up to 230 Feet (70 Meters) within line of sight
- **Material:** Metal (housing)
- **Power Source:** Battery Powered (microphones), AC Power (receiver)
- **Connectivity Technology:** XLR, 1/4" TS
- **Signal-to-Noise Ratio:** 3 dB
- **Noise Level:** 80 dB
- **Audio Sensitivity:** 25 dB
- **Polar Pattern:** Unidirectional
- **Item Weight:** 16.28 pounds (7.4 Kilograms)
- **Product Dimensions (L x W x H):** 20.47 x 14.17 x 9.06 inches
- **Hardware Platform:** PC (compatible)

Official Product Video

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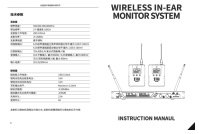
This video provides a visual overview of the XTUGA YT8 UHF 8 Channel Desktop Gooseneck Microphone System, demonstrating its components, setup, and key features in action. It highlights the design and functionality of both the receiver and the individual gooseneck microphones.

Warranty and Support

For warranty information and technical support, please refer to the warranty card included with your product or contact XTUGA customer service directly. Contact details can typically be found on the manufacturer's official website or within the product packaging.
Additional protection plans may be available for purchase separately to extend coverage beyond the standard manufacturer's warranty.

Related Documents - YT8

	UHF Wireless Microphone Instruction Manual Instruction manual for the UHF wireless microphone system, detailing technical parameters, connection methods, pairing, and factory reset operations.
	XTUGA Professional Wireless Microphone System User Manual User manual for the XTUGA Professional Wireless Microphone System, detailing setup, operation, troubleshooting, and specifications for the UHF wireless microphone receiver and transmitter.
	XTUGA RW2080 Wireless Ear-Monitor System User Instruction Manual This document provides comprehensive user instructions for the XTUGA RW2080 wireless ear-monitor system. It covers product presentation, main features, functions, detailed front and back panel instructions for single and double channel receivers and transmitters, bodypack transmitter and receiver details, usage illustrations, system settings, and technical specifications.
	XTUGA SF-1 Operation Instructions: Wired to Wireless Microphone Converter Learn how to set up and operate the XTUGA SF-1 Wired to Wireless Microphone Converter. This guide covers technical parameters, signal receiver and transmitter functions, matching instructions, and FCC compliance for the SF-1 audio adapter.
	XTUGA SEM200 Wireless In-Ear Monitor System User Manual User manual for the XTUGA SEM200 Wireless In-Ear Monitor System, detailing product introduction, safety tips, transmitter and receiver overviews, main features, system settings, technical specifications, and usage illustrations for stage monitoring and audio broadcasting.

	XTUGA IEM1200 Wireless In-Ear Monitor System User Manual Comprehensive user manual for the XTUGA IEM1200 Wireless In-Ear Monitor System, detailing features, operation, and technical specifications for stage performance and sound broadcast.