

SYNCO Xtalk XMax2

SYNCO Xtalk XMax2 Full-Duplex Wireless Intercom System User Manual

Model: Xtalk XMax2 | Brand: SYNCO

1. INTRODUCTION

The SYNCO Xtalk XMax2 is a professional full-duplex wireless intercom system designed for seamless, real-time two-way communication. Ideal for live production teams, film crews, event organizers, and stage operations, this system ensures clear and reliable communication over long distances. Featuring advanced noise cancellation, versatile connectivity, and extended battery life, the XMax2 enhances team coordination in demanding environments.



Figure 1.1: The SYNCO Xtalk XMax2 Full-Duplex Wireless Intercom System, featuring two double-ear headsets.

2. WHAT'S IN THE BOX

Your SYNCO Xtalk XMax2 package includes the following components:

- Xtalk XMax2 Headset x2
- Rechargeable Battery x4 (2 per headset)
- Cable x2 (for charging/data)
- Charging Station x1 (for multiple batteries)
- Mic Windshield x4 (2 per headset)
- One-Ear Foam Cushion x4 (2 per headset)

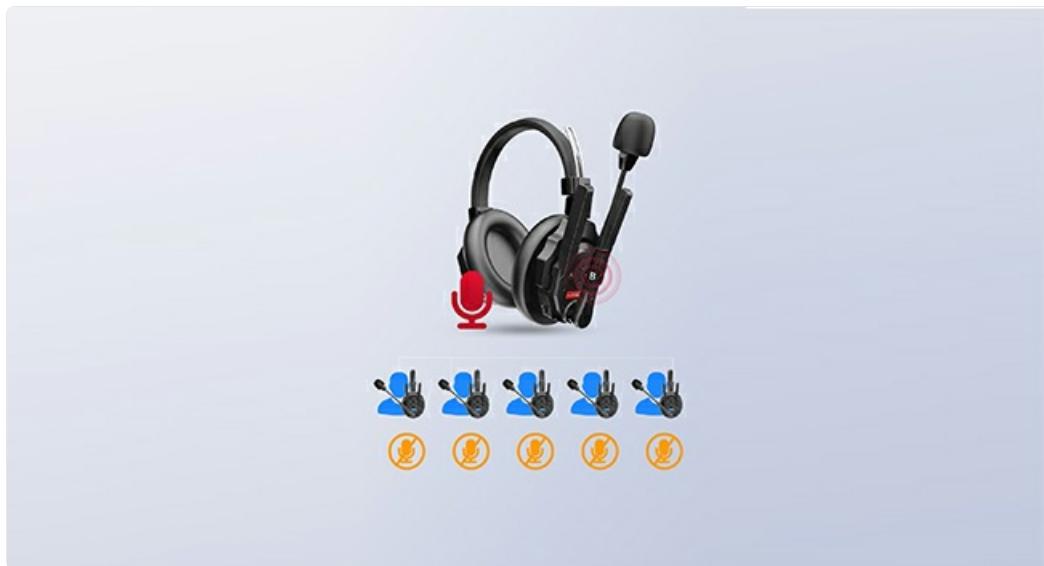


Figure 2.1: Illustration of typical package contents. Note: The XMax2 package includes two headsets and corresponding accessories.

3. SETUP

3.1 Initial Charging

Before first use, ensure all rechargeable batteries are fully charged using the provided charging station and cable. Insert the batteries into the charging slots and connect the cable to a power source. The charging indicator will show the status.

3.2 Headset Assembly

1. Attach the microphone boom to the designated port on the headset.
2. Place a mic windshield over the microphone for improved audio clarity and protection.
3. Ensure the ear cushions are securely fitted for comfort and sound isolation.

3.3 Pairing and Master Device Configuration

The XMax2 headsets come pre-paired from the factory. For initial setup or re-pairing, use the Xtalk EasyGo software for seamless configuration. This software allows for one-button pairing and interconnection across all headset models, reducing latency to as low as 80ms for up to 13 devices.



Figure 3.1: The Xtalk EasyGo software simplifies pairing and configuration for the XMax2 system.

Any headset can be assigned as the system master. The system features automatic fallback if the master device is disconnected, ensuring continuous communication.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

To power on, press and hold the power button until the indicator light illuminates. To power off, press and hold the power button until the indicator light turns off.

4.2 Full-Duplex Communication

The XMax2 system supports full-duplex communication, allowing all connected users to speak and listen simultaneously without interruption. This is ideal for dynamic team environments.

1500m Reliable Transmission Range for Large-Scale Event Communication

SYNCO XMax features dual external antennas, providing a stable transmission distance of 500 meters.

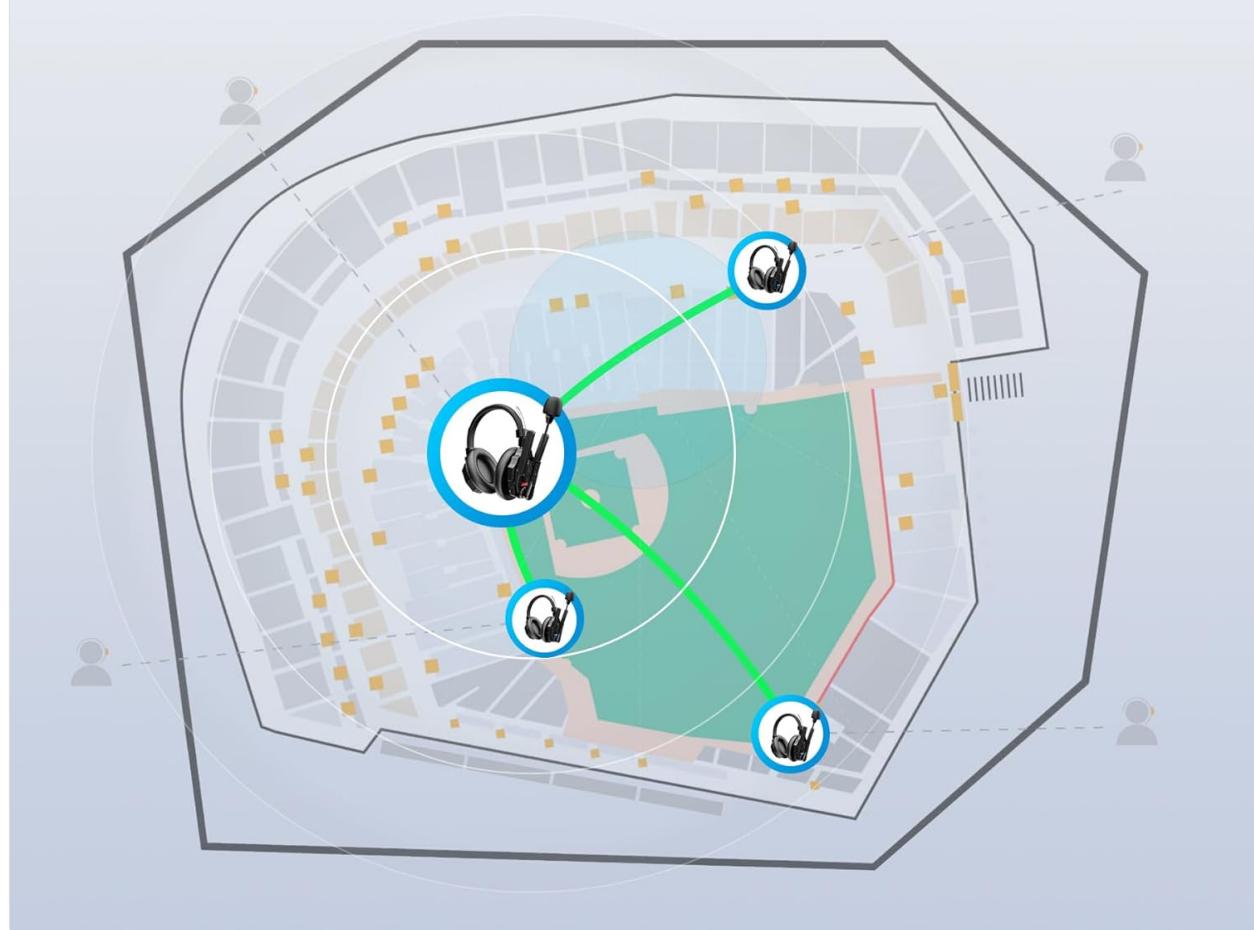


Figure 4.1: The XMax2 provides a stable transmission distance of up to 500 meters (1640 ft) for large-scale events.

4.3 AI-Powered Noise Cancellation

The headset features ENC dual microphones and advanced AI algorithms to automatically filter out background noise while preserving voice clarity. The over-ear design further blocks ambient sound, ensuring clear communication in noisy environments.

| Dual-mic AI Noise Cancellation for Crystal-Clear Chat

The XMax features an exclusive AI noise-cancellation chip and dual-mic algorithm that analyzes ambient noise in real time and adjusts cancellation depth.



Figure 4.2: Dual-mic AI Noise Cancellation ensures crystal-clear audio even in loud settings.

4.4 Dual-Mode Function: Intercom + Bluetooth

In addition to intercom use, the XMax2 supports Bluetooth connection to your phone. This allows for private calls or music playback. Easily switch between intercom and Bluetooth modes without removing the headset.

| Bluetooth Direct Connection for Calls & Music Enjoyment

Allows direct connection to your phone for making calls or enjoying music.



Figure 4.3: Seamlessly switch between intercom communication and Bluetooth functions for calls or music.

4.5 One-Button Remote Muting Function

The Dominant mode allows for one-button muting of all remote headsets, addressing issues caused by multiple devices speaking simultaneously. This provides the master user with control over the communication flow.

Unique One-Button Remotes muting Function

The Dominate mode allows for one-button mute of all Remotes, addressing issues caused by multiple devices speaking simultaneously.

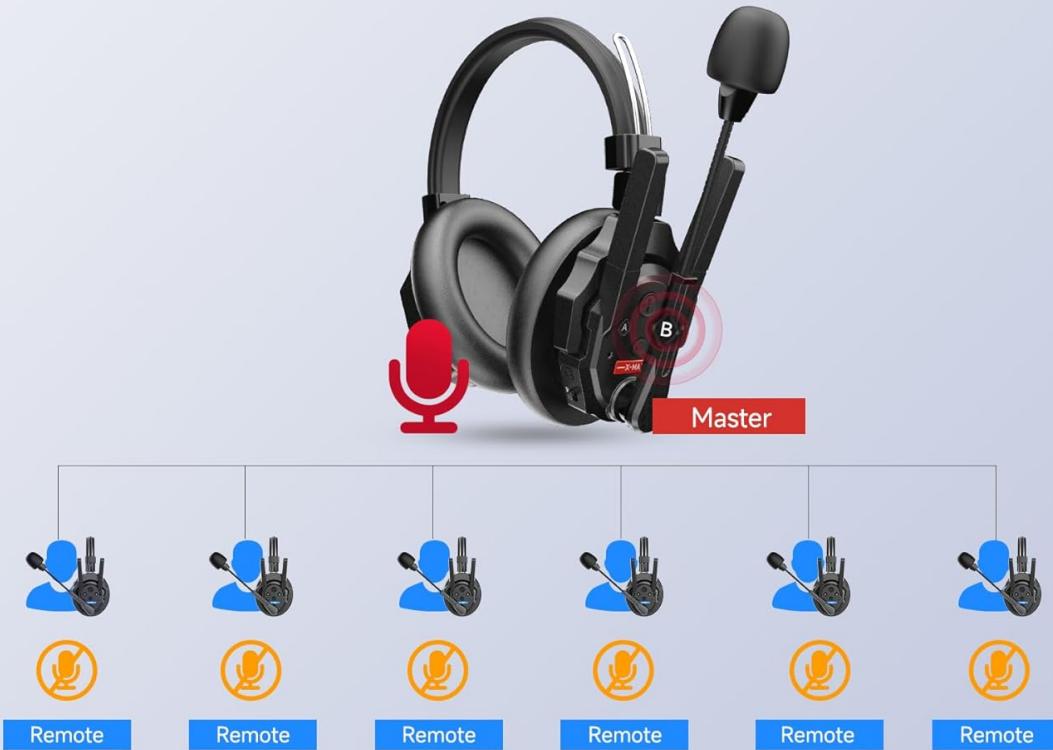


Figure 4.4: The Dominant mode enables the master headset to mute all remote units with a single button press.

4.6 Signal Boost Mode

Activate Boost Mode for stronger signal stability in complex environments or wide-open spaces. This feature allows for one-button frequency switching, instantly amplifying the signal to overcome interference from walls, buildings, or high-speed movement.

| Supercharge the Signal with One-Press Boost Mode

The SignalBoost allows for one-button frequency switching, instantly amplifying the signal. No worries about interference from walls, buildings, or high-speed movement in complex environments.



Figure 4.5: Signal Boost Mode enhances connectivity and stability in challenging environments.

4.7 Real-time Monitoring

The XMax2 features SmartFlow Sync with a unique 3.5mm real-time monitoring port. This allows you to seamlessly communicate with your team while monitoring audio from devices like cameras and recorders, eliminating the need for an additional headset.

SmartFlow Sync with Unique 3.5mm Real-time Monitoring

Seamlessly communicate with your team while monitoring audio from devices like cameras and recorders, and no need for another headset.



Figure 4.6: The 3.5mm monitoring port allows for simultaneous team communication and external audio monitoring.

5. FEATURES OVERVIEW

- **Long-Range Communication:** Up to 500 meters (1640 ft) with advanced 2.4GHz wireless technology.
- **AI-Powered Dual Mic Noise Cancellation:** Filters out background noise for clear voice transmission.
- **Dual-Mode Functionality:** Seamlessly switch between intercom and Bluetooth for calls or music.
- **Extended Battery Life:** Up to 24 hours of runtime with a 1050mAh removable battery.
- **Swappable Battery Design:** Allows for quick battery changes with the included 6-slot charging dock.
- **Intelligent Master Control:** Any headset can be assigned as master with automatic fallback.
- **Dominant Function:** One-button mute for all remote users.
- **Signal Boost Mode:** Enhances signal stability in challenging environments.
- **Comfortable Dual-Ear Design:** Over-ear design provides sound isolation and comfort for extended use.

| Sound Isolation Perfected with Dual-ear Design

The XMax features an exceptionally comfortable dual-ear design, with snug ear cups that perfectly contour to your ears.



Figure 5.1: The XMax2's dual-ear design ensures comfort and effective sound isolation.

Xtalk XMax5 PACKING LIST

 Headset x5	 Carrying Bag x5	 Data Transfer Cable x1	 6-Slot Charging Station x1	 Charging Adapter x1	 Protection Case x1
		 Mic Windshield x5	 One-Ear Foam Cushions x5	 Rechargeable Battery x5	 Card x1

Figure 5.2: Enjoy up to 24 hours of continuous operation with the XMax2's long-lasting battery.

6. MAINTENANCE

6.1 Cleaning

- Wipe the headsets and charging station with a soft, dry cloth.
- For stubborn dirt, use a slightly damp cloth with mild soap, then dry thoroughly.
- Do not use harsh chemicals or abrasive cleaners.
- Regularly clean the microphone windshields and replace if damaged.

6.2 Storage

- Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for extended periods, ensure batteries are partially charged (around 50%) to prolong their lifespan.

6.3 Battery Care

- Use only SYNCO-approved replacement batteries.
- Avoid fully discharging batteries frequently.
- Do not expose batteries to high temperatures or puncture them.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No audio/intermittent audio	Out of range, low battery, interference, incorrect pairing.	Move closer to master unit, charge batteries, activate Boost Mode, re-pair headsets using EasyGo software.
Poor audio quality/muffled sound	Microphone position, damaged windshield, excessive background noise, signal interference.	Adjust microphone closer to mouth, replace windshield, ensure AI noise cancellation is active, activate Boost Mode.
Headset not powering on	Battery depleted, battery not inserted correctly, faulty battery.	Charge battery, re-insert battery, try a different charged battery.
Bluetooth connection issues	Headset not in Bluetooth mode, device not discoverable, interference.	Ensure headset is in Bluetooth mode, make sure phone/device Bluetooth is on and discoverable, move closer to device.
Delay in speech (latency)	Environmental factors, distance, number of connected devices.	While some latency is inherent in wireless systems, ensure optimal signal strength and minimize environmental obstructions. Use EasyGo software to optimize settings.

8. SPECIFICATIONS

Feature	Detail
Model Name	Xtalk XMax2
Connectivity Technology	Wireless (RF)
Frequency Response	2.4 GHz (20 Hz - 20,000 Hz)
Noise Control	Active Noise Cancellation
Headphones Jack	3.5 mm Jack (for monitoring)
Battery Type	Lithium Ion (2 required, included)
Battery Life	Up to 24 hours
Material	Aluminum, Plastic
Color	Black
Item Weight	2 pounds
Manufacturer	SYNCO
Country of Origin	China

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official SYNCO website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims. You can visit the official SYNCO Store for more information and support:[SYNCO Store on Amazon](#)