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## VONYX WM55B

# VONYX WM55B Wireless Headset Microphone System User Manual

Model: WM55B

Brand: VONYX

## INTRODUCTION

Welcome to the VONYX WM55B Wireless Headset Microphone System user manual. This guide provides comprehensive instructions for the safe and effective use of your new wireless microphone system. Designed for versatility, the WM55B is ideal for various applications including presentations, fitness instruction, public speaking, and performances, offering freedom of movement with reliable audio transmission.

## PACKAGE CONTENTS

Please check that all items are present and in good condition upon opening the package:

- 1x WM55B Plug-In UHF Receiver
- 1x WM55B Bodypack Transmitter
- 1x Headworn Microphone
- 1x Tie-Clip Microphone
- 1x USB Charging Cable (for receiver)
- User Manual (this document)

## PRODUCT OVERVIEW

Familiarize yourself with the components of your VONYX WM55B system.

### WM55B Plug-In UHF Receiver

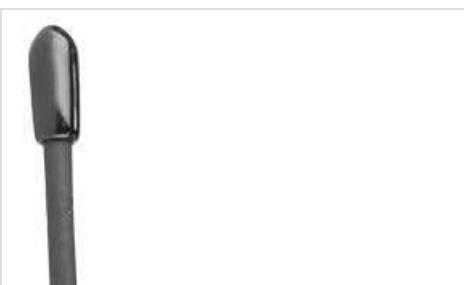




Image: The VONYX WM55B Plug-In UHF Receiver, a compact black unit with a 6.35mm jack for direct connection to audio equipment, a USB charging port, and an antenna. It features an RF indicator light and a power switch.

- **6.35mm Jack:** Connects to mixers, amplifiers, or PA systems.
- **USB Charging Port:** For recharging the internal battery.
- **Antenna:** For wireless signal reception.
- **RF Indicator:** Lights up when a signal is received.
- **Power Switch:** Turns the receiver on/off.

## WM55B Bodypack Transmitter



Image: The VONYX WM55B Bodypack Transmitter, a black rectangular unit with a small LCD screen displaying channel and frequency, a power button, and a 3.5mm input jack for microphones. It has a belt clip on the back.

- **LCD Display:** Shows channel and frequency information.
- **Power Button:** Turns the transmitter on/off and can be used for channel selection.
- **3.5mm Microphone Input:** Connects the headworn or tie-clip microphone.
- **Belt Clip:** For attaching the transmitter to clothing.
- **Battery Compartment:** Houses the required batteries (not specified in input, assume AA or AAA, will state "appropriate batteries").

## Microphones (Headworn and Tie-Clip)



Image: The VONYX Headworn Microphone, a black, lightweight headset with a flexible boom arm and a small foam-covered microphone capsule. It connects via a 3.5mm jack.





Image: The VONYX Tie-Clip Microphone, a small black lavalier microphone with a clip for attaching to clothing. It also connects via a 3.5mm jack.

The system includes two microphone options: a headworn microphone for secure placement during active

use and a discreet tie-clip microphone for less visible applications. Both connect to the bodypack transmitter via a 3.5mm jack.

## SETUP

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### 1. Charging the Receiver

Before first use, ensure the receiver is fully charged.

1. Connect the supplied USB charging cable to the receiver's USB port.
2. Plug the other end of the USB cable into a standard USB power adapter (not supplied) or a computer's USB port.
3. The charging indicator light will illuminate. Once fully charged, the light may change color or turn off.

### 2. Installing Batteries in the Transmitter

The bodypack transmitter requires 2x AA batteries (not supplied).

1. Open the battery compartment on the bodypack transmitter.
2. Insert 2x AA batteries, observing the correct polarity (+/-).
3. Close the battery compartment securely.

### 3. Connecting the Microphone

Choose either the headworn or tie-clip microphone.

1. Plug the 3.5mm jack of your chosen microphone into the microphone input port on the bodypack transmitter.
2. Ensure the connection is secure.

### 4. Connecting the Receiver to Audio Equipment

The receiver connects directly to your audio system.

1. Plug the 6.35mm jack of the receiver into a microphone input (e.g., "Mic In", "XLR/TRS Combo Jack") on your mixer, amplifier, or PA system.
2. Ensure the input volume on your audio equipment is initially set to a low level.

## OPERATING

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### 1. Powering On

1. Turn on the receiver by sliding its power switch to the "ON" position. The power indicator will light up.
2. Turn on the bodypack transmitter by pressing and holding its power button until the LCD display illuminates.

### 2. Pairing and Channel Selection

The system should automatically pair upon power-on. If not, or if you experience interference, you may need to manually select a channel.

1. The WM55B operates within the UHF 863-865MHz frequency range.
2. To change the channel on the bodypack transmitter, briefly press the power button. The channel number on the LCD display will change.

3. The receiver will automatically sync to the transmitter's channel. Ensure both devices are on the same channel for proper operation.

### 3. Adjusting Volume

Volume control is primarily managed through your connected audio equipment (mixer, amplifier).

1. Slowly increase the input volume on your audio equipment until the desired sound level is achieved.
2. Avoid setting the volume too high to prevent feedback or distortion.

### 4. Optimal Microphone Placement

For best sound quality and to minimize plosives (P, B sounds) and breath noise:

- **Headworn Mic:** Position the microphone capsule approximately 2-3 cm from the corner of your mouth, slightly off-center to avoid direct breath impact.
- **Tie-Clip Mic:** Attach to clothing approximately 15-20 cm below your chin, centered on your chest.

### 5. Range and Performance

The system offers a reliable range of up to 50 meters (164 feet) in optimal conditions. Obstacles such as walls, large metal objects, and other wireless devices can reduce this range. Maintain a clear line of sight between the transmitter and receiver whenever possible.

## MAINTENANCE

- Keep the system clean by wiping components with a soft, dry cloth. Do not use liquid cleaners or solvents.
- Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove batteries from the bodypack transmitter if not in use for extended periods to prevent leakage.
- Regularly check the USB charging cable for any signs of damage.
- Avoid dropping or subjecting the components to strong impacts.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound	Receiver or transmitter not powered on. Low batteries in transmitter. Receiver not charged. Microphone not connected to transmitter. Receiver not properly connected to audio equipment. Audio equipment input volume too low. Transmitter and receiver on different channels.	Ensure both units are powered on. Replace batteries in transmitter. Charge receiver. Securely connect microphone. Check 6.35mm jack connection. Increase input volume on mixer/amplifier. Verify both units are on the same channel.
Interference/Static	Other wireless devices nearby. Operating outside effective range. Obstructions between transmitter and receiver. Low battery in transmitter.	Change the operating channel. Move closer to the receiver. Ensure clear line of sight. Replace batteries.

Problem	Possible Cause	Solution
Weak/Distorted Sound	Microphone too far from mouth. Input volume on audio equipment too high (clipping). Low battery in transmitter.	Adjust microphone placement. Reduce input volume on audio equipment. Replace batteries.
Short Operating Range	Obstructions. Interference. Low battery.	Ensure clear line of sight. Change channel. Replace batteries.

## SPECIFICATIONS

Feature	Detail
Model	WM55B
Brand	VONYX
Frequency Range	UHF 863-865MHz
Operating Range	Up to 50 meters (open field)
Receiver Connector	6.35 mm Jack
Transmitter Power	2x AA Batteries (not included)
Receiver Power	Rechargeable via USB
Microphone Type	Headworn, Tie-Clip (Lavalier)
Polar Pattern	Unidirectional
Product Dimensions	20 x 17 x 5 cm
Product Weight	350 g

## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the manufacturer's official website or contact your point of purchase. Keep your proof of purchase for any warranty claims.

Manufacturer: Tronios B.V.