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# ACEMIC VT-5 Violin Wireless Microphone Instruction Manual

## 1. INTRODUCTION

The ACEMIC VT-5 is a portable wireless microphone system designed specifically for violins, suitable for various performances including stage and street settings. It features digital wireless audio transmission, ensuring clear sound quality and freedom of movement.

## Package Contents

- VT-5 Transmitter with integrated microphone
- VT-5 Receiver (6.35mm plug-on type)
- USB Charging Cable



Image 1.1: ACEMIC VT-5 Wireless Microphone System showing the transmitter with microphone and the plug-on receiver.

## 2. SETUP INSTRUCTIONS

### 2.1 Attaching the Microphone Transmitter to the Violin

1. Carefully open the clip on the microphone transmitter unit.
2. Attach the clip securely to the edge of your violin, ensuring it does not obstruct playing or damage the instrument's finish.
3. Adjust the flexible gooseneck of the microphone to position the microphone head optimally for sound capture, typically near the f-hole or bridge.



Image 2.1: The VT-5 microphone transmitter securely clipped onto the body of a violin.





Image 2.2: A close-up view of the microphone's clip, designed for secure attachment to the violin.

## 2.2 Connecting the Receiver

1. Locate a 6.35mm (1/4 inch) input jack on your mixer, amplifier, or active speaker.
2. Plug the VT-5 receiver directly into this input jack. Ensure a firm connection.



Image 2.3: The VT-5 receiver connected to an audio mixer, ready for sound transmission.

## DIMENSIONS



**VT-5**

**RE-10**

Image 2.4: The VT-5 receiver plugged into an amplifier, illustrating direct connection capability.

### 2.3 Powering On and Pairing

1. Press and hold the power button on both the transmitter and the receiver until their respective indicator lights illuminate.
2. The system features IR sync for automatic frequency downloading from the receiver. The units should automatically pair.
3. If pairing does not occur automatically or if you experience interference, you can manually select one of the 16 pre-set frequencies on both the transmitter and receiver to find a clear channel.

Your browser does not support the video tag.

Video 2.1: This video demonstrates the unboxing, powering on, and initial setup of the VT-5 wireless microphone system, including attaching it to a violin and connecting to an amplifier/mixer.

## 3. OPERATING INSTRUCTIONS

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### 3.1 Basic Operation

- Once paired, the system is ready for use. Ensure the volume on your connected mixer or amplifier is set appropriately.
- The digital ID code technology helps to completely solve frequency interference, providing a stable and clear audio signal.
- The portable design allows for freedom of movement, making it ideal for stage performances, street performances, and other dynamic settings.

### 3.2 Using Multiple Systems

If using multiple VT-5 systems simultaneously, ensure each system is set to a different channel to prevent interference. The system offers 16 selectable frequencies for this purpose.

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Video 3.1: This video illustrates the process of setting up and using two separate VT-5 wireless microphone systems concurrently, demonstrating channel separation for multi-instrument use.

## 4. MAINTENANCE

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### 4.1 Charging the Battery

- The transmitter and receiver are powered by 3.7V lithium batteries.
- Connect the provided USB charging cable to the charging ports on both units and a suitable USB power source.
- A full charge provides over 6 hours of continuous use. Charge the units when the battery indicator lights show low power.

### 4.2 General Care

- Keep the units clean and dry. Avoid exposure to extreme temperatures, moisture, or direct sunlight.
- Do not attempt to disassemble or modify the units, as this will void the warranty and may cause damage.

## 5. TROUBLESHOOTING

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### No Sound Output

- Ensure both the transmitter and receiver are powered on and fully charged.
- Verify that the receiver is correctly plugged into the audio input of your mixer/amplifier.
- Check that the selected channel on the transmitter matches the channel on the receiver. Adjust if necessary.
- Confirm that the volume on your mixer/amplifier is turned up and not muted.

### Interference or Poor Sound Quality

- Change the operating channel on both the transmitter and receiver to avoid interference from other wireless devices.
- Ensure the transmitter and receiver are within the optimal operating range (up to 60m line-of-sight). Obstacles can reduce range.
- Check for any strong electromagnetic interference sources nearby.

## **Short Battery Life**

- Ensure the units are fully charged before each use.
- Battery performance may degrade over time with repeated charging cycles.

## **6. SPECIFICATIONS**

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## DIMENSIONS



**VT-5**

**RE-10**

Image 6.1: Visual representation of the dimensions for the VT-5 microphone transmitter and receiver.

Feature	Specification
Frequency Range	Region dependent (e.g., 902-928MHz)
Audio Transmission	Digital Wireless
Audio Sampling Mode	48KHz
Selectable Frequencies	16 (Pre-set)

Feature	Specification
ID Code	Digital (solves frequency interference)
Frequency Sync	IR Sync
Operating Range	Up to 60m (line-of-sight)
Microphone Type	Condenser
Microphone Sensitivity	-47 dB ± 2dB
Transmitter Power	10mW
Receiver Output	6.35mm plug
Latency	<6ms
Frequency Response	60Hz - 15KHz ± 2dB
Total Harmonic Distortion (THD)	<0.8% (1KHz)
Signal/Noise Ratio	>92dB
Receiving Sensitivity	-92dBm
Power Supply	3.7V Lithium battery
Continuous Use (Battery)	>6 hours
Transmitter Dimensions	125*40*20mm
Receiver Dimensions	185*20*10mm

## 7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact ACEMIC customer service directly. Keep your proof of purchase for any warranty claims.