ACEMIC ST-5

ACEMIC ST-5 UHF Wireless Saxophone Microphone System User Manual

Model: ST-5

1. Introduction

This manual provides detailed instructions for the ACEMIC ST-5 UHF Wireless Saxophone Microphone System. Please read this manual thoroughly before using the product to ensure proper operation and to maximize its performance and longevity.

Image 1.1: ACEMIC ST-5 UHF Wireless Saxophone Microphone System components.

2. Package Contents

Verify that all items listed below are included in your package:

- 1 x Transmitter (with clip-on microphone)
- 1 x Receiver
- 1 x 2-in-1 USB Charging Cable
- 1 x 6.35mm to 3.5mm Adapter
- 1 x Carrying Case
- 1 x User Manual

Image 2.1: All items included in the ACEMIC ST-5 package.

3. Product Features

- **UHF Stable Transmission:** Utilizes UHF frequency and advanced digital audio transmission for stable, low-latency sound up to 130ft (40m) in open areas. Features infrared automatic pairing and a 48kHz sampling rate.
- **High-Quality Sound Reproduction:** Built-in highly sensitive condenser microphone captures clear and realistic instrument sound.
- **16 Adjustable Channels:** Offers 16 preset channels to avoid interference and supports up to 4 systems for simultaneous use.
- **Flexible Gooseneck Design:** Allows for precise microphone positioning with a stable, adjustable gooseneck and a shock-proof clip.
- **Long Battery Life:** Built-in rechargeable battery provides up to 6 hours of continuous use after a 2.5 to 3-hour charge.
- **Wide Compatibility:** Compatible with various active PA systems, active speakers, amplifiers, and audio mixers via 6.35mm or 3.5mm connections.

4. Component Identification

Familiarize yourself with the transmitter and receiver components:

Image 4.1: Detailed diagram of the transmitter and receiver components.

Transmitter Components:

- **Condenser Mic:** Captures audio from the instrument.
- **Flexible Gooseneck:** Allows for precise microphone positioning.
- **Instrument Clip:** Securely attaches the transmitter to the instrument.
- **IR Sync Button:** Initiates infrared pairing with the receiver.
- **Power/Low Power Indicator:** Shows power status and low battery warning.
- **Charging Indicator:** Illuminates during charging.
- **Power Button:** Turns the transmitter on/off.
- **Antenna:** For wireless signal transmission.
- **Charging Interface:** USB-C port for charging.

Receiver Components:

- **6.35mm Plug:** Connects to audio input devices.
- **RF Indicator:** Shows radio frequency signal status.
- **Digital Display:** Shows current channel number.
- **Power Button:** Turns the receiver on/off.
- **Frequency Plus/Minus Buttons:** Adjusts the channel frequency.
- **Low Voltage Indicator:** Warns of low battery.
- **IR Sync Button:** Initiates infrared pairing with the transmitter.
- **Charging Indicator:** Illuminates during charging.
- **Antenna:** For wireless signal reception.

5. Setup Guide

5.1 Initial Charging

1. Use the provided 2-in-1 USB charging cable to simultaneously charge both the transmitter and receiver.
2. Connect the USB cable to a standard USB power adapter (not included).

3. The charging indicators on both units will illuminate during charging.
4. A full charge takes approximately 2.5 to 3 hours. The indicators will change or turn off once fully charged.

Image 5.1: Charging the transmitter and receiver.

5.2 Antenna Installation

Ensure the antenna on the bottom of the receiver is properly installed before use for optimal signal reception.

5.3 Power On/Off

Press and hold the Power Button on both the transmitter and receiver for a few seconds to turn them on or off.

5.4 Pairing the System (Infrared Automatic Pairing)

The system uses infrared automatic pairing for quick setup.

1. Turn on both the transmitter and receiver.
2. Ensure the transmitter and receiver are close to each other (within a few inches).
3. Press the IR Sync Button on both units. The units will automatically pair.
4. The RF indicator on the receiver will light up steadily once paired.

5.5 Channel Adjustment (for multiple systems)

The system offers 16 adjustable channels to prevent interference, supporting up to 4 systems simultaneously.

1. **For the first system:** Pair the transmitter and receiver as described in Section 5.4. Note the channel displayed on the receiver.
2. **For subsequent systems:** Before pairing, use the Frequency Plus/Minus buttons on the receiver to select a new channel. It is recommended to choose a channel number that is at least 3 channels apart from any already paired systems to minimize interference.
3. Once a new channel is selected on the receiver, press its IR Sync Button, then press the IR Sync Button on the corresponding transmitter to pair them.
4. Repeat this process for each additional system.

Image 5.2: Channel adjustment for multiple systems.

5.6 Connecting to Audio Systems

1. Plug the 6.35mm plug of the receiver into the instrument input of your active PA system, active speaker, amplifier, or audio mixer.
2. If your audio device requires a 3.5mm input, use the included 6.35mm to 3.5mm adapter.

Image 5.3: Compatibility with various musical instruments and audio systems.

5.7 Microphone Placement

Attach the transmitter's clip to the bell of your instrument (e.g., saxophone, trumpet, tuba). Adjust the flexible gooseneck to position the microphone for optimal sound capture.

- Ensure the microphone angle is approximately 45 degrees or greater relative to the instrument's bell.
- Maintain a distance of at least 10cm (approximately 4 inches) between the microphone and the instrument's sound source for best results.
- The rubber padding on the clip protects your instrument from damage.

Image 5.4: Optimal microphone placement using the flexible gooseneck.

6. Operation

6.1 Basic Usage

Once the transmitter and receiver are charged, paired, and connected to your audio system:

1. Turn on your audio system (PA, speaker, amplifier).
2. Adjust the volume on your audio system to a suitable level.
3. Begin playing your instrument. The sound will be transmitted wirelessly to your audio system.

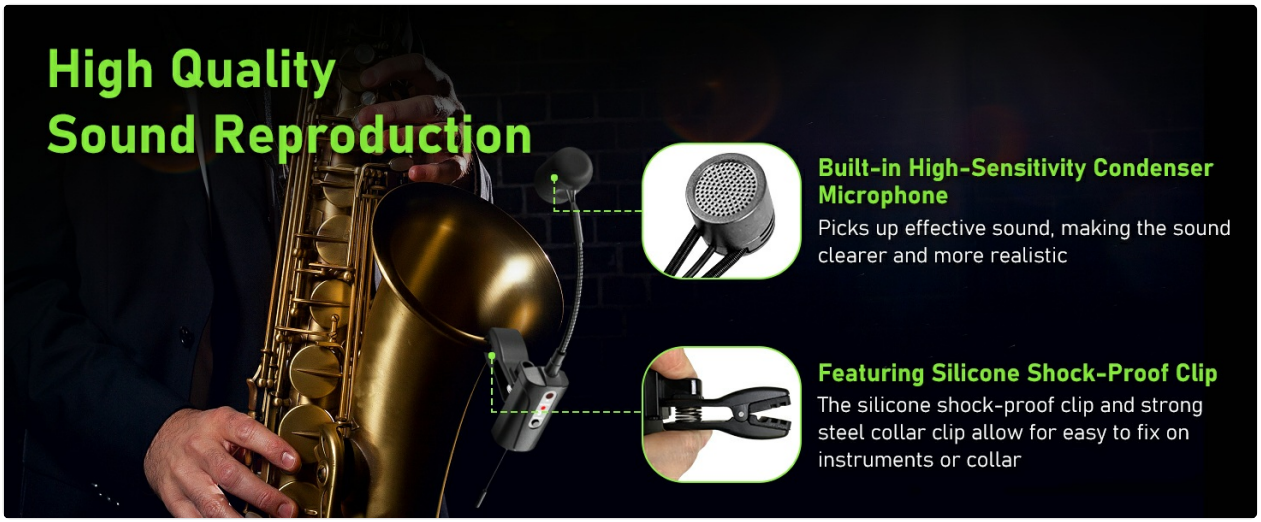


Image 6.1: Wireless transmission in action.

7. Maintenance

7.1 Battery Care

- Recharge the units regularly, especially if they have not been used for an extended period.
- Avoid fully discharging the battery frequently to prolong its lifespan.
- Store the units in a cool, dry place when not in use.

7.2 Cleaning

- Wipe the exterior of the transmitter and receiver with a soft, dry cloth.

- Do not use harsh chemicals or abrasive cleaners.
- Keep the microphone head clean and free from dust or debris.

8. Troubleshooting

8.1 No Sound or Poor Sound Quality

- **Check Power:** Ensure both the transmitter and receiver are powered on and charged.
- **Check Pairing:** Verify that the transmitter and receiver are successfully paired (RF indicator on receiver should be steady). Re-pair if necessary.
- **Check Connections:** Ensure the receiver is securely plugged into your audio system's input.
- **Adjust Volume:** Increase the volume on your audio system and ensure the microphone is positioned correctly.
- **Interference:** If experiencing static or dropouts, try changing the channel on the receiver and re-pairing the units (refer to Section 5.5).
- **Distance:** Ensure the transmitter and receiver are within the effective operating range (up to 130ft/40m in open areas). Obstacles can reduce this range.
- **Microphone Placement:** Adjust the gooseneck to ensure the microphone is optimally positioned relative to the instrument (refer to Section 5.7).

8.2 Interference from Other Wireless Devices

- The ST-5 system operates on UHF frequencies. Other wireless devices operating on similar frequencies may cause interference.
- Change the operating channel of your ST-5 system (refer to Section 5.5) to find a clear frequency.
- Maintain a reasonable distance from other wireless equipment.

8.3 Short Battery Life

- Ensure the units are fully charged before use (2.5-3 hours).
- Battery performance may degrade over time with extensive use.
- Operating in extremely cold environments can temporarily reduce battery life.

9. Specifications

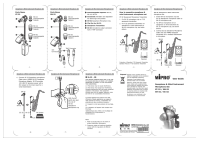
Feature	Specification
Model Number	ST-5
Transmission Type	UHF Wireless
Sampling Rate	48kHz
Channels	16 Adjustable Channels
Operating Range	Up to 130ft (40m) in open areas
Microphone Type	Condenser
Battery Type	Lithium Polymer (included)
Continuous Use Time	Approximately 6 hours

Feature	Specification
Charging Time	Approximately 2.5 - 3 hours
Connector Type	6.35mm Plug, 3.5mm Jack (with adapter)
Item Weight	1.06 pounds
Package Dimensions	11.22 x 5.47 x 2.44 inches

10. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your purchase or contact ACEMIC customer service directly. Specific warranty terms may vary by region and retailer.

Related Documents - ST-5

	ACEMIC Q4 Wireless Microphone FCC Compliance and Warning Information Detailed FCC compliance and warning information for the ACEMIC Q4 Wireless Microphone, including guidelines for preventing interference and safe operation.
	MIPRO ST-32/SM-32 Saxophone & Wind Instrument Microphone Set User Guide Comprehensive user guide for MIPRO's ST-32 and SM-32 microphone sets, detailing component identification, assembly steps for wireless and wired configurations, important notes, and technical compliance information.
	MIPRO ST-32/SM-32 Saxophone & Wind Instrument Microphone Set User Guide Comprehensive user guide for the MIPRO ST-32 and SM-32 Saxophone & Wind Instrument Microphone Sets, covering parts identification, assembly, wired/wireless setup, compliance, and disposal.
	Trantec S4.5 Series Wireless Microphone System: Operating Instructions and Specifications Comprehensive operating instructions and technical specifications for the Trantec S4.5 Series wireless microphone system, including receiver and transmitter setup, operation, and performance details.
	MouKey MwmU-5 Wireless Microphone Operating Manual This operating manual for the MouKey MwmU-5 wireless microphone system provides comprehensive guidance on setup, operation, technical specifications, and usage best practices for optimal audio performance.

	[Feiyu MIC Wireless MIC Kit Quick Start Guide] Quick start guide for the Feiyu MIC Wireless MIC Kit, detailing setup, connection, usage scenarios, indicator status, and specifications for professional audio recording.

Documents - ACEMIC – ST-5

[pdf] Guide Buyer's Guide

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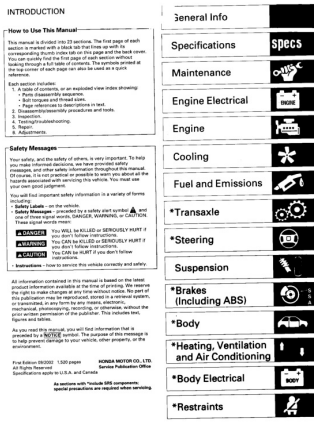

[pdf] User Manual Owner's Manual Label

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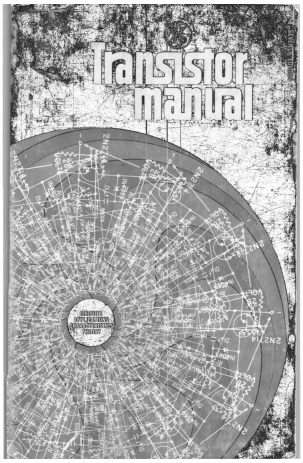

[pdf] User Manual Diagram

GE Transistor Manual GBPPR Total Information Awareness Advanced Development Projectsgbppr net |||

Th e circuit diagram s incl uded in this manu al are for illu strati on of typi cal tr ansistor applications and are not intended as constructional inform ation. For this reason, watt age ratin gs of resistors and volt ag e rati ngs of capaci tors are not necessarily given. Similarl y, shielding te...

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