ACEMIC ST-5

ACEMIC ST-5 Wireless Microphone System User Manual

Model: ST-5

INTRODUCTION

The ACEMIC ST-5 is a portable digital wireless microphone system designed for instruments such as saxophones, suitable for stage performances and street performances. It features digital wireless audio transmission, 16 selectable frequencies, and a digital ID code to prevent interference. This manual provides instructions for the proper setup, operation, and maintenance of your ST-5 system.

SETUP GUIDE

1. Package Contents

Before proceeding, please ensure all components are present:

- 1 x ACEMIC ST-5 Wireless Receiver
- 1 x ACEMIC ST-5 Wireless Transmitter with Microphone
- 1 x Lithium Battery (for each unit)
- 1 x Charging Cable (not explicitly listed but implied for lithium battery)

Image: The ACEMIC ST-5 wireless microphone system, showing both the receiver unit and the clip-on microphone transmitter.

2. Initial Charging

Both the receiver and transmitter are powered by 3.7V lithium batteries. For optimal performance, fully charge both units before first use.

- Connect the charging cable to the charging port on each unit.
- Connect the other end of the charging cable to a suitable USB power source (e.g., computer USB port, USB wall adapter).
- The charging indicator light will typically show red during charging and turn off or change color when fully charged.

3. Connecting the Receiver

The receiver features a 6.35mm plug for direct connection to a mixer or active speaker.

- Ensure your mixer or active speaker is powered off before connecting the receiver.

- Insert the 6.35mm plug of the receiver into an available 6.35mm input jack on your audio device.
- Power on your mixer or active speaker after the receiver is securely connected.

Image: The ACEMIC ST-5 wireless receiver unit, showing the 6.35mm plug and branding.

4. Attaching the Microphone Transmitter

The microphone transmitter is designed to clip onto instruments like a saxophone.

- Carefully open the clip on the transmitter unit.
- Attach the clip securely to the bell or another suitable part of your instrument, ensuring the microphone capsule is positioned to capture sound effectively without obstructing play.
- Adjust the flexible gooseneck of the microphone to achieve the desired proximity and angle to the sound source.

Image: The ACEMIC ST-5 microphone transmitter with its clip and flexible gooseneck.

Image: The ACEMIC ST-5 microphone transmitter clipped onto a saxophone, demonstrating typical placement.

5. Pairing and Frequency Synchronization

The system uses IR sync for frequency downloading and a digital ID code to prevent interference.

- Power on both the receiver and the transmitter.
- Locate the IR sensor on both units.
- Align the IR sensors of the receiver and transmitter within close proximity (e.g., 1-2 cm).
- Initiate the synchronization process (refer to the specific button or sequence on your device, often labeled 'SYNC' or similar). The units will automatically download and match frequencies.
- Once synchronized, the RF indicator on the receiver should illuminate, indicating a successful connection.

OPERATING INSTRUCTIONS

1. Power On/Off

- To power on: Press and hold the power button on both the receiver and transmitter until the indicator lights illuminate.
- To power off: Press and hold the power button on both units until the indicator lights turn off.

2. Adjusting Volume

Volume adjustments should primarily be made on your connected mixer or active speaker. Ensure the input gain on your audio device is set appropriately to avoid distortion.

3. Operating Range

The ACEMIC ST-5 system offers an operating range of up to 40 meters (line-of-sight). Obstacles such as walls, large metal objects, or other wireless devices can reduce this range. Maintain a clear line of sight between the transmitter and receiver for optimal performance.

MAINTENANCE

1. Battery Care

- Recharge the lithium batteries when the low battery indicator appears or when performance degrades.
- Avoid completely draining the batteries regularly, as this can shorten their lifespan.
- If storing the unit for an extended period, charge the batteries to approximately 50% and store in a cool, dry place. Recharge every few months to prevent deep discharge.

2. Cleaning

- Use a soft, dry cloth to clean the exterior of the receiver and transmitter.
- For the microphone foam windscreen, gently remove and clean with mild soap and water if necessary, ensuring it is completely dry before reattaching.
- Avoid using harsh chemicals, solvents, or abrasive materials, as these can damage the finish or internal components.

TROUBLESHOOTING

If you encounter issues with your ACEMIC ST-5 system, please refer to the following common solutions:

- **No Sound Output:**

  - Ensure both the receiver and transmitter are powered on and fully charged.
  - Verify that the receiver is securely plugged into the mixer/speaker and that the audio device's input is active and volume is up.
  - Check if the receiver and transmitter are properly synchronized (RF indicator on receiver should be lit). If not, re-sync them.
  - Confirm that the microphone is positioned correctly and not muted (if a mute function is present).

- **Interference or Poor Sound Quality:**

  - Ensure there are no other strong wireless signals operating on similar frequencies nearby.
  - Re-synchronize the units to potentially select a clearer frequency. The system has 16 selectable frequencies.

- Maintain a clear line of sight between the transmitter and receiver. Avoid placing units near large metal objects or other electronic devices that may cause interference.
- Check the battery levels; low battery can affect signal strength.

- **Short Operating Range:**

  - Ensure there is a clear line of sight between the transmitter and receiver.
  - Check battery levels on both units.
  - Avoid environments with excessive wireless interference.

SPECIFICATIONS

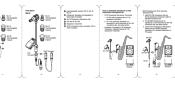| Feature	Detail
Digital Wireless Audio Transmission	Yes
Audio Sampling Mode	48KHz
Pre-set Selectable Frequencies	16
Digital ID Code	Yes (solves frequency interference)
IR Sync	Yes (for frequency downloading)
Operating Range	Up to 40m (line-of-sight)
Suitable For	Saxophone stage performances, street performances, etc.
Receiver Output	6.35mm plug
Power Supply	3.7V Lithium battery (for both units)
Receiver Latency	<6ms
Frequency Response	60Hz - 15KHz ± 2dB
Total Harmonic Distortion	<0.8%(1KHz)
Signal/Noise Ratio	>92dB
Receiving Sensitivity	-92dBm
Transmitter Power	10mW
Microphone Sensitivity	-47 dB ± 2dB
Microphone Type	Condenser
Battery Life (Continuous Use)	>6 hours
Item Weight	1.21 pounds
UPC	712350112585

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your ACEMIC ST-5 Wireless

Microphone System, please contact ACEMIC customer service through their official website or the retailer from whom you purchased the product. Please retain your proof of purchase for warranty claims.

Related Documents - ST-5

	ACEMIC V1 Wireless Transmitter System User Manual User manual for the ACEMIC V1 wireless transmitter and receiver system, detailing setup, operation, specifications, and troubleshooting for cameras and smartphones.
	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.
	EXEDY Clutches & Flywheels 2013-14 Catalog Explore the EXEDY 2013-14 catalog featuring a comprehensive range of performance racing clutches and flywheels. Learn about EXEDY's commitment to excellence, advanced design and inspection processes, and their diverse product lines including Stage 1 Organic, Stage 2 Cerametallic, Stage 3 Hyper Single, Stage 4 & 5 Multi Plate, and Carbon Series clutches.
	Infiniti QX56 Steering System & Heated Wheel Service Manual Explore comprehensive service procedures, diagnostic guides, and technical specifications for the Infiniti QX56 steering system. This manual details the heated steering wheel functionality, including component descriptions, troubleshooting steps, and maintenance protocols.