

Electro-Voice F.01U.354.219

Electro-Voice RE3-RE520-5L Wireless Handheld System User Manual

Model: F.01U.354.219 | Brand: Electro-Voice

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of the Electro-Voice RE3-RE520-5L Wireless Handheld System. This system features an RE520 condenser supercardioid microphone head, designed for vocal performance and presentations. The RE520 offers a detailed, full, and vivid sound with a tight and clear low end, natural and present midrange, and an exceptionally-detailed high end. Its supercardioid pattern ensures excellent acoustic isolation. The RE3 system facilitates quick and simple setup through its clear frequency scan and sync functions, providing rock-solid system performance via the robust handheld transmitter and diversity receiver.

2. SYSTEM COMPONENTS

The Electro-Voice RE3-RE520-5L Wireless Handheld System typically includes the following components:

- **RE3-HHT Handheld Transmitter:** Equipped with the RE520 condenser supercardioid microphone head.
- **RE3 UHF Diversity Receiver:** The base unit that receives the wireless signal from the transmitter.
- Power Supply for Receiver
- Antennas for Receiver
- Microphone Clip
- User Manual (this document)



Figure 2.1: The Electro-Voice RE3-RE520-5L Wireless Handheld System, featuring the RE3 UHF Diversity Receiver and the RE3-HHT handheld microphone. The receiver displays "RE3-RX G:1 CH:1 560.325 MHz" and signal indicators, while the microphone's display shows "10.325 MHz".

3. SETUP

- 1. Receiver Placement:** Position the RE3 UHF Diversity Receiver in a location free from obstructions and away from other wireless devices that might cause interference. Ensure good line-of-sight to the intended operating area of the handheld transmitter.
- 2. Antenna Connection:** Screw the two included antennas onto the antenna connectors on the rear of the receiver. Position them at a 45-degree angle for optimal reception.
- 3. Power Connection:** Connect the supplied power adapter to the DC input on the receiver and plug it into an appropriate power outlet.
- 4. Audio Output:** Connect the receiver's audio output (XLR or 1/4-inch jack) to your mixer, amplifier, or audio interface using a suitable audio cable.
- 5. Transmitter Battery Installation:** Unscrew the bottom cap of the RE3-HHT handheld transmitter. Insert two fresh AA batteries, observing the correct polarity (+/-). Replace the cap securely.
- 6. Power On:** Power on the receiver by pressing its power button. Power on the handheld transmitter by pressing and holding its power button.
- 7. Frequency Scan and Sync:**
 - On the receiver, press the "SCAN" button to find an available clear frequency.

- Once a clear frequency is found, align the infrared (IR) port on the receiver with the IR port on the handheld transmitter (usually located near the battery compartment or display).
- Press the "SYNC" button on the receiver. The frequency information will be transmitted to the handheld transmitter, and both devices should now be tuned to the same frequency. Confirm the frequency displayed on both units matches.

- Audio Check:** Speak into the microphone and observe the AF (Audio Frequency) level indicators on the receiver. Adjust the gain on your mixer or amplifier as needed.

4. OPERATING INSTRUCTIONS

4.1 Handheld Transmitter (RE3-HHT)

- Power On/Off:** Press and hold the power button for approximately 2 seconds to turn the transmitter on or off.
- Display:** The display shows the current operating frequency and battery status.
- Battery Life:** Monitor the battery indicator on the transmitter's display. Replace batteries when the indicator shows low power to avoid interruptions.

4.2 Diversity Receiver (RE3-RX)

- Power On/Off:** Press the power button to turn the receiver on or off.
- Display:** The display shows channel information, group, frequency, RF (Radio Frequency) signal strength, and AF (Audio Frequency) levels.
- RF Indicators:** The RF indicators (LEDs or on-screen meter) show the strength of the wireless signal from the transmitter. Ensure a strong, stable signal for optimal performance.
- AF Indicators:** The AF indicators show the audio signal level being received. Adjust the transmitter's gain or your mixer's input gain to prevent clipping (overload) while ensuring sufficient signal.
- Menu Navigation:** Use the navigation buttons (up/down, set) to access and adjust settings such as group, channel, squelch level, and output gain. Refer to the detailed receiver manual for advanced settings.

5. MAINTENANCE

- Battery Replacement:** Always use fresh, high-quality AA alkaline or rechargeable batteries for the handheld transmitter. Remove batteries if the system will not be used for an extended period to prevent leakage.
- Cleaning:**
 - Wipe the exterior of the microphone and receiver with a soft, dry cloth.
 - For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the internal components.
 - Do not use abrasive cleaners, solvents, or harsh chemicals.
- Microphone Head Care:** Periodically check the microphone grille for debris. If necessary, gently clean with a soft brush. Avoid poking anything through the grille.
- Storage:** Store the system in a cool, dry place, away from direct sunlight and extreme temperatures. Use the original packaging or a padded case for transport and storage to protect components.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No Sound	Transmitter or receiver not powered on; Batteries dead; Incorrect frequency sync; Audio cable disconnected; Mixer/amplifier input issues.	Ensure both units are powered on. Replace batteries. Resync frequency. Check all cable connections. Verify mixer/amplifier settings.
Interference/Static	Nearby wireless devices; Operating too close to metal objects; Weak signal; Frequency conflict.	Perform a frequency scan and sync to a clear channel. Reposition receiver and transmitter. Ensure line-of-sight. Check antenna connections.
Low Volume/Distortion	Incorrect gain settings; Microphone too far from source; Damaged microphone head.	Adjust transmitter gain and receiver output level. Speak closer to the microphone. If distortion persists, contact support.
Transmitter Display Blank	Dead batteries; Transmitter not powered on.	Replace batteries. Press and hold power button to turn on.

7. SPECIFICATIONS

- Model:** F.01U.354.219
- Brand:** Electro-Voice
- Microphone Form Factor:** Handheld
- Polar Pattern:** Unidirectional (Supercardioid for RE520 head)
- Connectivity Technology:** Wireless (RF)
- Frequency Response:** 488-524MHz (System operating range)
- Number of Channels:** 1 (per system)
- Power Source (Transmitter):** Battery Powered (AA batteries)
- Item Weight:** Approximately 6.35 pounds (System total)
- Package Dimensions:** Approximately 7.87 x 4.72 x 3.15 inches
- UPC:** 800549898485
- Manufacturer:** Electro-Voice
- Date First Available:** March 1, 2019

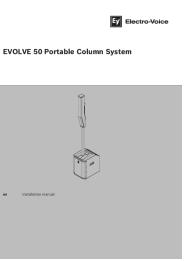
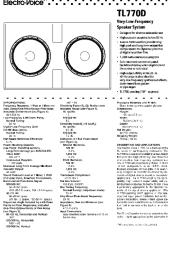
8. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Electro-Voice website. Keep your proof of purchase for warranty claims.

If you encounter issues not covered in this manual or require technical assistance, please contact Electro-Voice customer support. Contact details can typically be found on the manufacturer's website or in the product packaging.

Electro-Voice Official Website: www.electrovoice.com

Related Documents

	<p>Electro-Voice ETX-12P 2-Way Powered Speaker: Features, Specifications, and Ordering</p> <p>Detailed information on the Electro-Voice ETX-12P, a high-power 2-way compact loudspeaker. Includes technical specifications, system overview, dimensions, ordering details, and accessories.</p>
	<p>Electro-Voice R300 UHF Wireless Microphone System User Guide</p> <p>Comprehensive user guide for the Electro-Voice R300 UHF Wireless Microphone System, covering quick setup, detailed component descriptions, operational guidelines, troubleshooting, FAQs, specifications, and service information for optimal performance.</p>
	<p>Electro-Voice EVOLVE 50 Portable Column System Installation Manual</p> <p>This installation manual provides comprehensive instructions for setting up and operating the Electro-Voice EVOLVE 50 Portable Column System. It covers safety precautions, system features, quick setup, amplifier DSP controls, troubleshooting, and technical specifications.</p>
	<p>Electro-Voice TL770D: Very-Low-Frequency Cinema Subwoofer System Specifications</p> <p>Detailed technical specifications and overview of the Electro-Voice TL770D, a very-low-frequency speaker system designed for high-output cinema subwoofer applications with dual DL18MT woofers.</p>

Documents - Electro-Voice – F.01U.354.219



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