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› Electro-Voice Evolve 50M Portable Column System User Manual

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Model: Evolve 50M

INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your Electro-Voice Evolve 50M Portable Column System. The Evolve 50M is a powerful and versatile PA system designed for various applications, featuring an integrated 8-channel digital mixer, high-resolution Bluetooth streaming, and QuickSmart DSP for optimal sound control. Please read this manual thoroughly before operating the system.

WHAT'S IN THE BOX

Upon unpacking, ensure all components are present and in good condition. The package should contain:

- Evolve 50M Subwoofer Unit
- Column Array Speaker
- Two-piece Pole Connector
- Array/pole carry case
- Power Cable
- User Manual (this document)

SETUP

Follow these steps to correctly set up your Evolve 50M system:

1. **Position the Subwoofer:** Place the subwoofer unit on a stable, flat surface in your desired location. Ensure adequate ventilation around the unit.
2. **Assemble the Pole:** Connect the two pieces of the pole connector. Insert the assembled pole into the pole mount on top of the subwoofer.
3. **Attach the Column Array:** Carefully place the column array speaker onto the top of the pole connector. Ensure it is securely seated.



Image: The individual components of the Evolve 50M system, including the subwoofer, pole, and column array speaker, ready for assembly.



Image: The fully assembled Electro-Voice Evolve 50M Portable Column System, showing the subwoofer, pole, and column array speaker connected.

4. **Connect Power:** Plug the power cable into the AC inlet on the rear of the subwoofer, then connect it to a suitable power outlet.
5. **Connect Audio Sources:** Use appropriate cables to connect your audio sources (microphones, instruments, media players) to the input jacks on the rear panel of the subwoofer. The Evolve 50M features an 8-channel digital mixer with various input options.



Image: The rear panel of the Evolve 50M subwoofer, displaying the various input connectors, output jacks, power inlet, and control interface.

OPERATING INSTRUCTIONS

Once the system is set up, follow these steps for operation:

1. **Power On:** Flip the power switch on the rear panel to the 'ON' position. The QuickSmartDSP display will illuminate.
2. **Adjust Input Levels:** Use the individual gain controls for each input channel on the digital mixer to set appropriate levels for your connected devices.
3. **Master Volume:** Adjust the MASTER VOLUME knob to control the overall output level of the system.

4. **QuickSmartDSP:** Navigate the QuickSmartDSP menu using the rotary encoder to access features such as EQ, effects, system presets, and routing options.
5. **Bluetooth Streaming:** To pair a Bluetooth device, select the Bluetooth option in the QuickSmartDSP menu. Enable Bluetooth on your device and select "EVOLVE 50M" from the list of available devices.
6. **Voice Control:** The system supports voice control for certain functions. Refer to the QuickSmartDSP menu for available voice commands.



Image: A detailed view of the Evolve 50M's integrated 8-channel digital mixer panel, showing input controls, the QuickSmartDSP display, and master volume knob.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your Evolve 50M system:

- **Cleaning:** Use a soft, dry cloth to clean the exterior surfaces. Do not use abrasive cleaners or solvents.
- **Protection:** The Evolve 50M is **not water resistant**. Protect it from moisture, rain, and extreme temperatures.
- **Storage:** When not in use, store the system in a dry, dust-free environment. Utilize the provided array/pole carry case for transport and storage of the column array and pole.
- **Cable Management:** Ensure all cables are neatly routed and not under strain to prevent damage.

TROUBLESHOOTING

If you encounter issues with your Evolve 50M, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound Output	• Power not connected or switched on. • Input levels too low. • Master volume too low. • Incorrect input selection. • Faulty cables.	• Check power connection and switch. • Increase individual input gain controls. • Increase MASTER VOLUME. • Verify correct input source in QuickSmartDSP. • Test with different cables.
Bluetooth Pairing Failure	• Bluetooth not enabled on device/system. • Device too far from system. • Interference.	• Ensure Bluetooth is active on both devices. • Move device closer to the system (within 10 meters). • Restart Bluetooth on both devices.
Distorted Audio	• Input levels too high (clipping). • Master volume too high.	• Reduce input gain controls. • Reduce MASTER VOLUME. • Check source audio quality.

If the problem persists after trying these solutions, please contact Electro-Voice customer support.

SPECIFICATIONS

- **Model Name:** Evolve 50M
- **Speaker Type:** Column Array with Subwoofer
- **Subwoofer Diameter:** 12 Inches
- **Column Array Drivers:** 8 x 3.5" Neodymium Drivers
- **Maximum Output Power:** 1000 Watts (Class-D amplifier)
- **Coverage:** 120-degree horizontal, 40-degree asymmetrical vertical
- **Digital Mixer:** Integrated 8-channel
- **Wireless Communication:** Bluetooth (High-resolution, low latency)
- **Bluetooth Range:** Up to 10 Meters (33 feet)

- **Control Method:** Voice, QuickSmartDSP
- **Connectivity Technology:** Auxiliary, Bluetooth
- **Audio Output Mode:** Stereo
- **Power Source:** Corded Electric
- **Material:** Plastic (enclosure)
- **Color:** White
- **Mounting Type:** Floor Standing
- **Item Weight:** Approximately 140.7 pounds
- **Water Resistance Level:** Not Water Resistant
- **Included Components:** Array/pole carry case
- **UPC:** 800549993555

WARRANTY AND SUPPORT

The Electro-Voice Evolve 50M Portable Column System comes with a Limited Warranty. For detailed information regarding warranty terms and conditions, please refer to the warranty card included with your product or visit the official Electro-Voice website.

For technical support, service, or additional product information, please contact Electro-Voice customer service or visit their official support portal. Keep your purchase receipt and product serial number handy when seeking support.

Online Resources: For the latest software updates, FAQs, and additional documentation, please visit the [Electro-Voice Brand Store](#) or the official Electro-Voice website.

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