

Irritrol R-100-KIT

Irritrol R-100-KIT Climate Logic Remote Control Kit User Manual

Model: R-100-KIT

1. INTRODUCTION AND OVERVIEW

The Irritrol R-100-KIT Climate Logic Remote Control Kit with CL-R1 is designed to provide convenient, one-person remote access for irrigation system checks, troubleshooting, and supplemental watering. This programmable handheld remote enhances efficiency for installers and maintenance personnel by eliminating the need to repeatedly return to the main controller.

Key features include:

- **Compatibility:** Works with Irritrol Kwik Dial, Rain Dial, Total Control, MC-E Blue, and Toro Custom Command, TMC-212, TMC-424-E controllers.
- **Programmable:** Features a mini-USB port for future software upgrades and new product applications via computer connection.
- **Climate Logic Integration:** Designed to work seamlessly with the Irritrol Climate Logic Weather Sensing System.
- **Labor Saving:** Facilitates one-person system testing and maintenance, reducing time and effort.
- **Extended Range:** Operates effectively at a range of up to 1000 feet from the receiver.





Image 1.1: The Irritrol R-100-KIT handheld remote control unit, displaying its approximate dimensions of 7.5 inches (19 cm) in height. The unit is blue with a black antenna and screen, featuring control buttons for navigation and operation.

2. SETUP INSTRUCTIONS

This section outlines the general steps for setting up your Irritrol R-100-KIT. For detailed, model-specific instructions, always refer to the full installation guide provided with your product.

2.1 Unpacking and Component Identification

Carefully unpack all components and verify that you have the following items:

- Remote Transmitter (handheld unit)
- Mini Receiver
- CMR-ADP Cable Adapter

2.2 Battery Installation (Remote Transmitter)

The remote transmitter requires batteries, which are not included in the kit. Locate the battery compartment on the back of the handheld unit. Insert the specified batteries, ensuring correct polarity. Close the battery compartment securely.

2.3 Receiver Connection

Connect the Mini Receiver to your compatible Irritrol or Toro irrigation controller using the provided CMR-ADP Cable Adapter. Ensure a secure connection. The receiver should be placed in a location that allows for optimal signal reception from the remote transmitter, ideally within line of sight or with minimal obstructions.

2.4 Pairing the Remote and Receiver

Follow the specific pairing instructions in your product's detailed manual to establish communication between the remote transmitter and the Mini Receiver. This typically involves a sequence of button presses on both units or a specific setting on your main irrigation controller.

3. OPERATING INSTRUCTIONS

Once the R-100-KIT is set up and paired, you can begin operating your irrigation system remotely. The handheld unit allows for convenient control from various locations within its 1000-foot range.

3.1 Basic Remote Functions

- **Zone Activation:** Use the designated buttons on the remote to manually activate individual irrigation zones. This is useful for testing sprinklers, checking for leaks, or performing supplemental watering.
- **System Test:** Initiate a full system test to cycle through all zones, allowing for comprehensive inspection of your irrigation system.
- **Adjusting Watering Times:** Depending on your controller's capabilities and the remote's programming, you may be able to adjust zone watering durations directly from the handheld unit.
- **Program Start/Stop:** Start or stop programmed watering cycles remotely.

3.2 Optimizing Remote Range

For best performance, maintain a clear line of sight between the remote transmitter and the Mini Receiver. Large metal objects, dense foliage, or concrete structures can interfere with the signal and reduce the effective range.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Irritrol R-100-KIT.

4.1 Battery Replacement

When the remote transmitter's display indicates low battery or its performance degrades, replace the batteries promptly. Always use the recommended battery type and dispose of old batteries responsibly.

4.2 Cleaning

Keep the remote transmitter and receiver clean and free from dirt, dust, and moisture. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or abrasive materials.

4.3 Software Updates

The remote transmitter features a mini-USB port for future software upgrades. Periodically check the Irritrol website for available updates to ensure your unit has the latest features and improvements. Follow the instructions provided with the software update carefully.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your R-100-KIT.

5.1 Remote Transmitter Not Turning On

- **Check Batteries:** Ensure batteries are correctly installed and have sufficient charge. Replace if necessary.
- **Battery Compartment:** Verify the battery compartment is securely closed.

5.2 Remote Not Communicating with Receiver

- **Range:** Ensure you are within the 1000-foot operating range of the receiver. Move closer to the receiver.
- **Obstructions:** Minimize physical obstructions (walls, large metal objects) between the remote and receiver.
- **Receiver Connection:** Verify the Mini Receiver is securely connected to the main irrigation controller.
- **Re-pairing:** Attempt to re-pair the remote transmitter with the receiver according to the setup instructions.
- **Interference:** Other electronic devices might cause interference. Try operating the remote away from such devices.

5.3 Incorrect Zone Activation

- **Controller Settings:** Verify that your main irrigation controller's settings are correct and that zones are properly configured.
- **Remote Programming:** If applicable, ensure the remote's programming matches your desired zone layout.

6. SPECIFICATIONS

Brand	Irritrol
Model	R-100-KIT
Power Source (Remote)	Battery Powered (Batteries not included)
Connectivity Technology	USB (for updates)
Special Feature	Programmable

Included Components	Remote Transmitter, CMR-ADP Cable Adapter, Mini Receiver
Operating Range	Up to 1000 feet
Compatibility	Irritrol Kwik Dial, Rain Dial, Total Control, MC-E Blue; Toro Custom Command, TMC-212, TMC-424-E
UPC	090258054733

7. WARRANTY INFORMATION

Specific warranty terms and conditions for the Irritrol R-100-KIT are provided by the manufacturer. Please refer to the warranty documentation included with your purchase or visit the official Irritrol website for detailed information regarding coverage, duration, and claims procedures.

8. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or inquiries about your Irritrol R-100-KIT, please contact Irritrol customer service. Contact information, including phone numbers and online support resources, can typically be found on the official Irritrol website or in the documentation accompanying your product.