

One-Button Sequencing System

Offers reliable battery-operated communication with Rain Bird remote compatible controllers from anywhere on the job site to allow the operator to advance through all watering stations or halt any active irrigation.

Uses for the system include:

- 1. Installation and Start-up** - During new installations debris is flushed out by advancing through the watering stations, letting the water run for 1 to 2 minutes with the lowest heads uncovered. In addition, the watering stations are often sequenced for new system operational testing and start-up.
- 2. Customer Walk Through** - Sequencing through the watering stations can be used to demonstrate the system for the customer prior to final sign-off.
- 3. System Maintenance** - As part of routine landscape maintenance, watering stations are advanced sequentially to make adjustments and identify potential problems.
- 4. Winterization** - In regions subject to freezing temperatures the water is blown out prior to the winter by advancing through the watering stations while compressed air is pumped through the system.
- 5. Spot Watering** - In zones where the landscape may be stressed a little extra watering may be applied by advancing to the proper watering station.

Features

- Mounting bracket designed for quick installation, easy connection, and receiver portability.
- Pre-programmed for rapid set-up.
- Transmitter turns itself off when not in use to extend battery life
- One button with two commands simplifies usage
- Sequencing Command advances through all watering stations.
- Quick-Stop Command terminates any watering or program in progress.
- STX™ communication protocol ensures correct command recognition for maximum security
- Over 1 million randomly assigned transmitter codes reduces the likelihood of a conflict with a second system

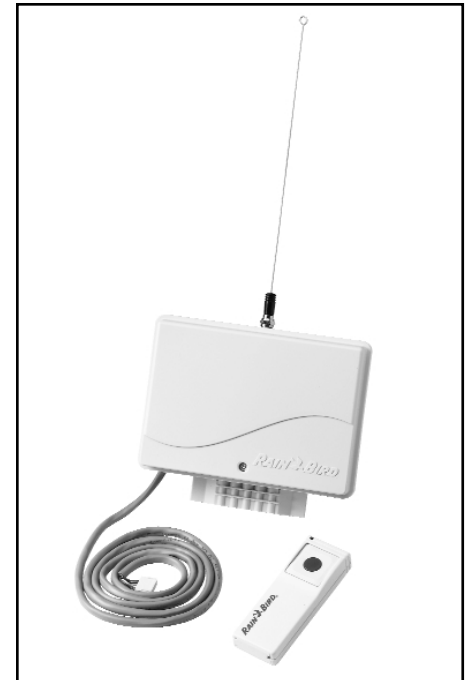
- Rain Bird's RMX-1T Keypad Transmitter provides 999 user-programmable access codes for even greater security and may be used to control multiple systems (sold separately)
- Receivers can be programmed to recognize up to 16 different One-Button or Keypad transmitter access codes for expanded versatility
- Receiver mounts indoor or outdoor, up to 30 feet (9 meters) from the controller, for a greater choice of installation options
- Sturdy water-resistant transmitter housing offers protection from the harsh outdoor elements
- Belt clip for transmitter is included for carrying convenience
- Sensor bypass allows watering by remote access even when an active sensor has suspended automatic irrigation (with ESP-LX+ only)

Operating Specifications

- Default station run time: 10 minutes
- Receiver mounting options: Indoor or Outdoor, Permanent or Removable
- Sequencing Receiver power: 12VDC from the controller
- One-Button Sequencing Transmitter power: Two 3V lithium cells (new battery life averages 3 years or more)
- Keypad Transmitter power: 9-volt alkaline battery (new battery life averages 2 years or more)
- Surge protection: MOVs protect incoming data line
- RF Range: Up to 500 feet (152 meters)
- RF Frequency: 315 Mhz
- Compatible controllers: Rain Bird ESP-Si, ESP, ESP-LX+ and E Class.
- CUL and ECO Certified
- UL, CUL listed; FCC, DOC, C-Tick approved.

Optional Features

- Maximize reception range and placement in a secure location
- Extended length cable bracket - allows receiver placement up to 30 feet (9 meters) from the controller
 - Extended range antenna - improves reception range and be placed up to 25 feet (7.5 meters) from receiver



Models

- RM-1: One-Button Sequencing System

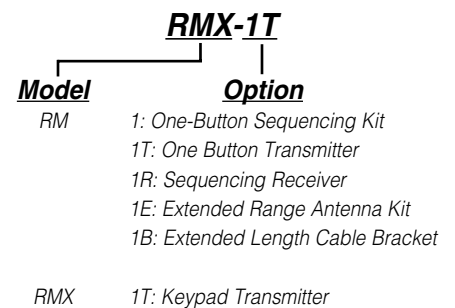
System Components

- RM-1T: One-Button Transmitter
- RM-1R: Sequencing Receiver

Optional Accessories

- RM-1E: Extended Range Antenna Kit
- RM-1B: Extended length cable bracket
- RMX-1T: Keypad Transmitter

How to Specify





Specifications

The RM-1 Sequencing Remote System shall consist of a RM-1R Sequencing Receiver and a RM-1T One-Button Transmitter. The RM-1R Sequencing Receiver shall also work with the RMX-1T Keypad Transmitter (sold separately.) Receivers and transmitters shall be non-pair specific (i.e. any RM-1R Receiver shall work with any RM-1T or RMX-1T Transmitter.) The RM-1 Sequencing Remote System shall work with Rain Bird remote ready ESP-LX+ and ESP-Si controllers.

The system "operating range" shall be up to 500 feet (152 meters). The operating range is defined as the maximum distance where consistent communication is achieved between the transmitter and receiver in a "noisy" and "obstructed" environment. Noisy is defined as an incidence of spurious radio and or electromagnetic signals similar to that encountered in a normal urban residential area. Obstructions include impairments to line of sight such as trees, automobiles and buildings.

Receivers and transmitters shall meet or exceed all applicable FCC standards and shall be licensed or approved as required for sale.

The remote system shall override the controller's off mode and work with the controller dial in any position. The remote system shall override an active sensor wired to the controller's internal sensor terminals (Remote ready ESP-LX+ only).

The sequencing receiver shall recognize two commands from either the one-button transmitter or the keypad transmitter. The two commands shall be the Quick-Stop Command and the Sequence Command.

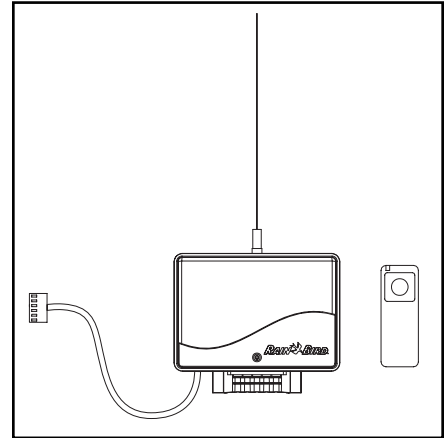
The Quick-Stop Command shall halt any active irrigation, regardless of whether it was started remotely, manually or automatically.

The Sequence Command shall have two modes of operation depending on whether or not irrigation is active when the remote sequencing routine is initiated.

Mode 1: If no program is active when the remote routine is initiated, the Sequencing Command shall advance the controller from one watering station to the next. Only watering stations with a scheduled run time in any of the controller programs are activated. As with the controller's test mode, any watering station without a scheduled run time in any of the controller programs shall be skipped. The advance sequence shall commence with the lowest numbered station and advance in ascending order through the remaining stations. If an active watering station is not manually advanced to the next, then the station's maximum run time shall be 10 minutes and upon completion shall automatically advance to the next watering station.

Mode 2: If any program or the controller's standard test program is already active, regardless of whether it was started manually or automatically, the Sequencing Command shall advance the controller through all the watering stations in the active program. The run time for each watering station shall be as scheduled in the active program. If an active watering station is not manually advanced to the next, then the station shall complete it's scheduled run time and upon completion shall automatically advance to the next watering station in the active program.

The controller shall start the master valve each time it starts a watering station unless the master valve has been disabled for the active station in the controller program.



Upon completion of a sequential remote routine the controller shall return to the mode it was in prior to activation by the remote to await its next scheduled automatic start.

The controller shall be as manufactured by Rain Bird Sprinkler Mfg. Corp., Glendora, California.

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