EVOLUTION® Series Add-On:
EVO-HH Handheld Remote

TORO Count on it.

Introduction

Congratulations on purchasing Toro's new EVOLUTION Series Controller with the EVO-HH Handheld Remote Add-On. With the Handheld Remote Add-On, you will quickly realize savings in both time and money while keeping your landscape healthy and beautiful.

The EVO-HH system is designed exclusively for your Toro EVOLUTION Series Controller to allow the user to remotely control watering and auxiliary zones. The user can walk the site, testing, troubleshooting, and/or providing supplemental watering without walking back to the controller every time.

To familiarize yourself with EVO-HH handheld system, please take a few moments to read through this guide in its entirety.

Specifications

Handheld Remote

- Dimensions:
  2.75" (7 cm) W x 7" (17,8 cm) H (over 2" antenna) x 1.25" (3,2 cm) D
  (including mounting clip)
- 9V Alkaline battery (not included)
- RF reception range: 1000' (152 m) LOS (line of sight)
- Operating temperature range: 14° – 140° F (-10°– 60°C)

FCC-ID: OF7CLR1
IC: 3575A-CLR1

Table of Contents

Overview

Setup button

Left arrow

USB Cover
(future use)

Down arrow

Cancel button

LCD Screen

Up arrow

Power
button

Right arrow

Enter button

TORO.

## Installation

EVOLUTION® Smart Connect®

Please see the install sheet that came with the Smart Connect device.

Installing the Remote Batteries

The remote receives power from a 9-volt battery (not included).

To install the battery:

1. Remove the three (3) screws from the battery cover on the back of the remote, then remove the battery cover.

2. Snap the battery onto the battery clip and place the battery into the compartment.

3. Reinstall the battery cover with the three screws.

Battery
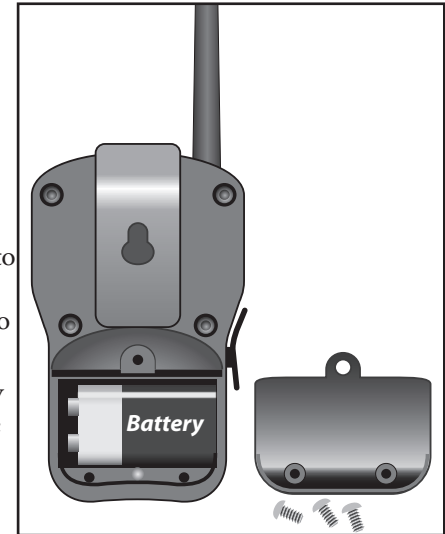
Menu Navigation

- Use ⬆ or ⬇ to navigate the menu commands.
- To change a value, press ▷ or ◁ to move to the desired field, then press ⬆ and ⬇ to adjust the value.
- Press ✓ **SELECT** to input the desired value.
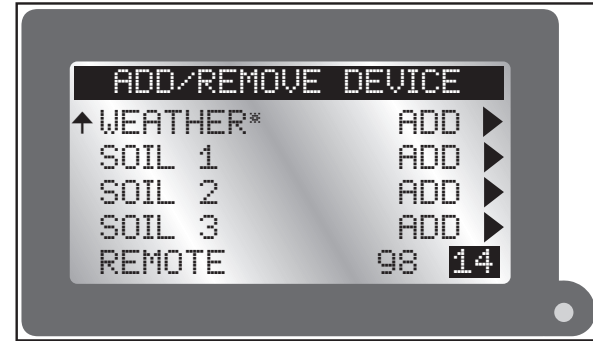
Adding the Device

For the EVOLUTION® Series controller and remote to successfully communicate, identical PINs must be set in both the controller and remote.

At the controller:

1. Press ⚙ **ADVANCED** then ✓.
2. Press ⬇ to ADD/REMOVE DEVICE. Press ✓.

```
          ADVANCED
↑ZONE DETAILS            ▶
 SCHEDULE STARTS         ▶
 SCHEDULE DETAILS        ▶
 SENSORS                 ▶
↓ADD/REMOVE DEVICE       ▶
```

3. Press ⬇ to REMOTE.

```
     ADD/REMOVE DEVICE
↑WEATHER*            ADD ▶
 SOIL 1             ADD ▶
 SOIL 2             ADD ▶
 SOIL 3             ADD ▶
 REMOTE          98 14
```

4. Press ▷ to enter the PIN field of the remote.

   Press ⬆ or ⬇ to change the value.

   Use ▷ or ◁ to move between the numeric fields.

5. Press ✓ to input the desired value.
6. Press 🏠 to return to the home screen.

* The WEATHER sensor is not available for the Australia region.

4

Set the PIN

1. Press [Mode] *PWR(Hold)* to turn on the remote transmitter.

2. Press [⌂] *Setup* twice. "SET PIN" appears on the screen.

3. Press △ or ▽ to set the first digit of the PIN number. Press ▷ to move to the next digit.

4. Repeat step 3 to set the other numbers in the 4-digit PIN.

5. Press ▶ *Enter* to save the PIN.

SET
PIN

98 14

Setup   Mode PWR (Hold)

Cancel   Enter

Powering the Remote

• Press [Mode] *PWR(Hold)* to turn on the remote.

• Press and hold [Mode] *PWR(Hold)* about two seconds to turn off.

✍ Turning off the remote does not turn off irrigation operations in operation.

Automatic Power Down of Transmitter

The remote powers down after five minutes of button inactivity to extend battery life.

Set the Number of Stations

To save time using the remote, set the number of stations in the transmitter to match the number of stations on the EVOLUTION® Series controller. For example, for a 8-station controller, set the transmitter to a station maximum of 8.

1. Press [⌂] *Setup* once to view the Max Station screen.

2. Press △ or ▽ to set the desired maximum station number.

3. With the desired number displayed, press ▶ *Enter*.

SET
MAX

08

Start Program "A" or "B" or "C"

1. In manual station mode, press △ to go beyond the highest station. "*P- A*" (Program A) appears. Press △ again for "*P- B*" (Program B) or again for "*P- C*" (Program C).

2. With the desired Program displayed, press ▶ *Enter* for a sequential station run.

✍ A remotely started program runs continuously.

Run an All Stations Cycle (ASC)

Running an All Stations Cycle is useful for troubleshooting a sprinkler system.

1. Follow Step 1 above.

2. Press △ to move above $P-C$ to "TEST ALL".

3. Press ▷ to start the run time blinking.

4. Press △ or ▽ to set the run time.
   All stations will run the same length of time, in sequence, from lowest to highest possible.

5. Press ▶ *Enter* to start. (Leave the transmitter on during the ASC sequence.)

Turn On a Station or Zone Manually

1. Turn on the remote and press △ or ▽ to scroll to the station number desired.

2. Press ▷ once to move to run time.

3. Press △ or ▽ to set the station's one-time manual running time.

4. Press ▶ *Enter* to start the station. A flashing rain-drop indicates a running station.

✎ The controller may display a differing countdown. If so, it has been overridden by the remote's countdown.

Stop All

Press ▢ *Cancel*. A slashed-out raindrop indicates an interrupted irrigation program.

Change from One Running Station to Another

1. Press △ or ▽ to select the desired station.

2. Press ▷ once to move to run time.

3. Press △ or ▽ to set the run time.

4. Press ▶ *Enter* to start the station. The previously running station will shut off.

Remote Auxiliary Operation

The controller is capable of controlling an auxiliary system (such as a lighting system) using AUX devices. The EVO-HH handheld remote can control the auxiliary system too.

Switch to Auxiliary Operation

1. Hold down the *PWR(Hold)* button for a few seconds until "$A U$" appears in the screen.

2. Release the button. The remote is in Auxiliary mode.

3. Set the PIN on the remote (see page 5) to communicate with the auxiliary controller.
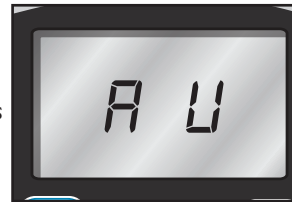
Start a Single Auxiliary Scene

1. Turn on the remote. It defaults to Manual mode.
2. Press △ or ▽ to select the desired Auxiliary Scene (A1 - A4).
3. Press ▷ to move to run time.
4. Adjust runtime with △ and ▽.
5. Press ▶ *Enter* to begin auxiliary run.

📝 The Auxiliary Scene numbers (A1, A2, and A3) correspond with the EVOLUTION® controller's Auxiliary numbers (AUX 1, AUX 2, and AUX 3).

MANUAL

A2 05

SINGLE   RUN MIN TIME

Auxiliary scene 2 is set to run for 5 minutes.

Cancel a Single Scene

Select the currently running scene and press ☐ *Cancel*.

Run All Auxiliary

Running all scenes is useful for troubleshooting an auxiliary system.

1. Press △ several times to display "AA ON".
2. Press ▶ *Enter* to turn on all auxiliary scenes.

MANUAL

AA ON

Stop All Auxiliary

1. Press △ several times to display "AA OF" (off).
2. Press ▶ *Enter* to turn off all auxiliary scenes.

Change from One Running Scene to Another

It is possible to run more than one individual scene at a time. Start a single auxiliary scene (above), then simply move to the next scene and repeat the same steps. Previously running scenes continue.

MANUAL

AA OF

Return to Irrigation Mode

Press and hold down 🔲Mode *PWR(Hold)* until the screen displays "toro". Release.

Toro Commitment to Quality

Toro is committed to developing and producing the highest quality, best performing, most dependable products on the market. Because your satisfaction is our first priority, we have provided the Toro Helpline to assist you with any questions or problems that may arise. If for some reason you are not satisfied with your purchase or have questions, please contact us toll free at 1-877-345-8676.

Warranty

The Toro Company and its affiliate, Toro Warranty Company, pursuant to an agreement between them, jointly warrants, to the owner, against defects in material and workmanship for a period of one year from the date of purchase. Neither The Toro Company nor Toro Warranty Company is liable for failure of products not manufactured by them, even though such products may be sold or used in conjunction with Toro products. During such warranty period, we will repair or replace, at our option, any part found to be defective. Return the defective part to the place of purchase. Our liability is limited solely to the replacement or repair of defective parts. There are no other express warranties. This warranty does not apply where equipment is used, or installation is performed, in any manner contrary to Toro's specifications and instructions, nor where equipment is altered or modified. Neither The Toro Company nor Toro Warranty Company is liable for indirect, incidental or consequential damages in connection with the use of equipment, including but not limited to: vegetation loss, the cost of substitute equipment or services required during periods of malfunction or resulting non-use, property damage or personal injury resulting from installer's negligence.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. All implied warranties, including those of merchantability and fitness for use, are limited to the duration of this express warranty. Some states do not allow limitations of how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

FCC Part 15 Rules

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment generates interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

The user may find the following booklet prepared by the Federal Communications Commission helpful: "How To Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402. Stock No. 004-000-00345-4.

Australian Warranty Statement

This product comes with a manufacturer's guarantee against defects in material and workmanship when used for its intended purpose. Our obligation under this guarantee is limited to the repair or replacement of the product at our discretion for the period stated. In the event of a claim, you must immediately cease using the product and return the product, together with your proof of purchase and an explanation of the fault to the store you purchased it from. All costs associated with the return of the product are the purchasers' responsibility. To process the warranty, the retailer must contact Toro Australia via their representative or the phone number listed below.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Toro Australia Pty Ltd, 53 Howards Road, Beverley SA 50091300 130 898, info.au@toro.com

Form Number 373-0808 Rev. B