



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

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)



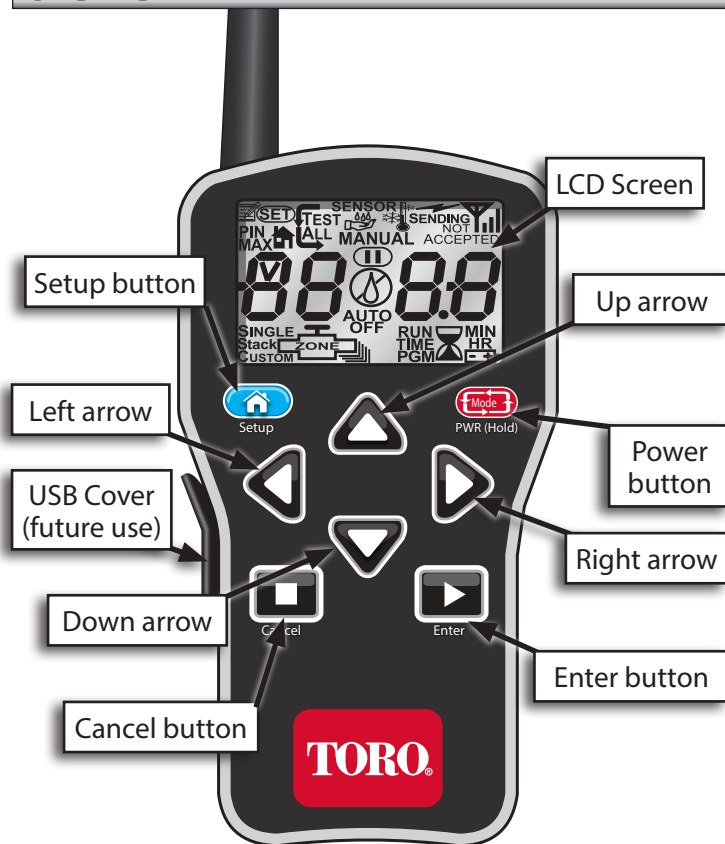
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Table of Contents

Specifications	1	Remote Auxiliary Operation	6
Overview	3	Switch to Auxiliary Operation	6
Installation	3	Start a Single Auxiliary Scene	7
EVOLUTION® Smart Connect®	3	Cancel a Single Scene	7
Installing the Remote Batteries	3	Run All Auxiliary	7
At the Controller	4	Stop All Auxiliary	7
Menu Navigation	4	Change From One Running Scene to Another	7
Adding the Device	4	Return to Irrigation Mode	7
At the Remote	5	Toro Support	8
Set the PIN	5		
Powering the Remote	5		
Set the Number of Stations	5		
Start Program “A”, “B”, or “C”	5		
Run an All Stations Cycle	6		
Turn on a Station or Zone Manually	6		
Stop All Watering	6		
Change From One Running Station to Another	6		

Overview



Installation

EVOLUTION® Smart Connect®

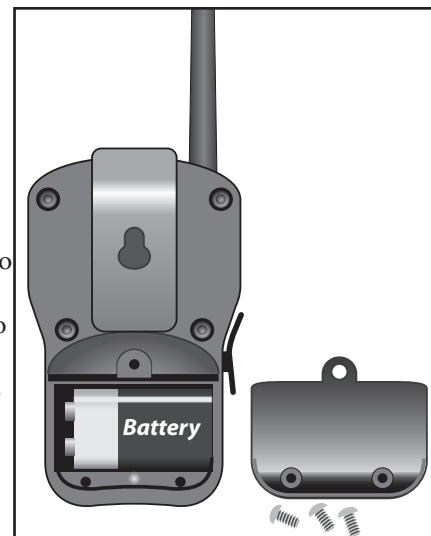
Please see the install sheet that came with the Smart Connect device.

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.



At the Controller

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

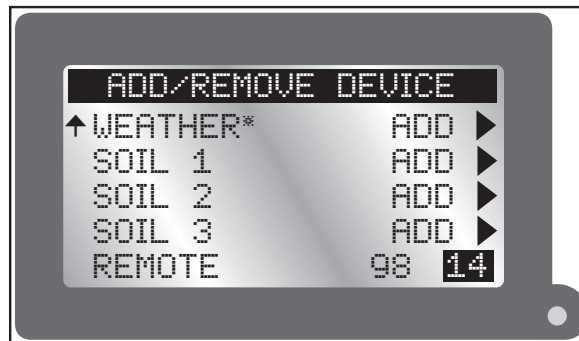
For the EVOLUTION® Series controller and remote to successfully communicate, identical PINs must be set in both the controller and remote.

At the controller:

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



3. Press  to **REMOTE**.



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.

At the Remote

Set the PIN

1. Press  **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.



Powering the Remote

- Press  **PWR(Hold)** to turn on the remote.
 - Press and hold  **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**.



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-* 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

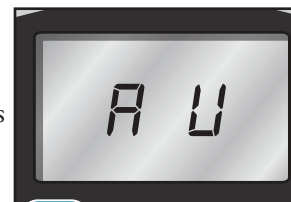
1. Press  or  to select the desired station.
2. Press  once to move to run time.
3. Press  or  to set the run time.
4. Press  **Enter** to start the station. The previously running station will shut off.

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.

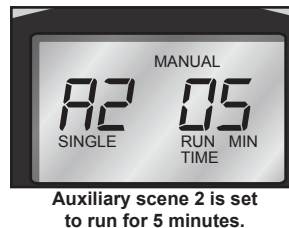
Switch to Auxiliary Operation

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).



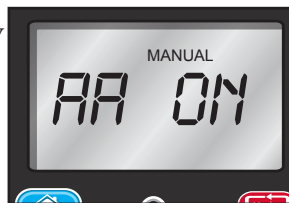
Cancel a Single Scene

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

Run All Auxiliary

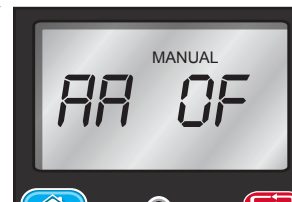
Running all scenes is useful for troubleshooting an auxiliary system.

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



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.

Return to Irrigation Mode

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

Toro Support

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.

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