



HermitCrab[™]
by ET Water

Installation + User Guide

www.etwater.com

888.685.5505

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HERMITCRAB™ SERVICE REGISTRATION

NOTE: It is critical that you register your HermitCrab *before* proceeding with installation.

HOW IT WORKS

ET Water Systems' HermitCrab automates your sprinkler and drip irrigation schedules by transforming your current controller into a "smart controller," combining state-of-the-art horticultural science with Web-based technology. Your HermitCrab will make a daily connection to the ET Water central computer and retrieve an irrigation schedule for each of the watering stations in your landscape. These daily schedules reflect your local weather conditions and the ET value in your area so that you use only the amount of water necessary to maintain a healthy landscape and reduce runoff.

For more information on the science of ET irrigation and how each of your schedules is generated, please visit our website at www.etwater.com.

Step 1: Register your HermitCrab

Go to www.etwater.com, click "new user?", and follow the steps to register your controller. Or, if you have already created an account, log in as normal and add your HermitCrab to an existing site or create a new site. You'll need:

- Your HermitCrab 10 digit serial number, which you'll find on the shipping box, or on the lower panel underneath the front panel of the HermitCrab. Once your HermitCrab is powered on, you will see the serial number on the display screen (Home Screen).

Enter serial number here: _____

- Contact information, including email address, for the person who will manage the irrigation system,
- Contact information, including email address, for the person responsible for paying future data service fees, usually the property manager or owner,
- The address and zip code where the controller will be installed,

Follow the onscreen instructions until you have clicked on the "I agree" button on the Terms of Service page. This will complete your registration.

Step 2: Configure your stations

We recommend that you use our Landscape Configuration Checklist (see page 21) to help you document your landscape, visiting the actual site if necessary. It is important that the landscape profiles you enter be as accurate as possible.

Next, you must enter the required landscape data for each of your watering zones. Click the “configure now” link on the controller overview page, and select the “step-by-step” landscape set up process. The process asks you to define your landscape in terms of sun exposure, soil type, slope, plant material, irrigation method, etc.

If you have watering zones with identical landscape profiles, you can use the “station copy” feature to copy one zones profile to another zone.

Once you are familiar with the station configuration process, you can use the “Advanced Setup” mode to add or edit your profiles. The Advanced Setup mode presents all the profile information in a single form with dropdown boxes from which to make your selections.

NOTE: Your HermitCrab will not water any zone that does not have a landscape profile configured for it.

You are now ready to install your HermitCrab. (See “Installation Instructions”)

If for some reason your HermitCrab was installed *before* it was registered, you should review the “communications report” on your Account Overview page to determine if the HermitCrab has already connected with the ET Water servers. If it has connected, it should continue to connect on a daily basis. If it has not already connected, you will need to execute a *Test Dial*, as described in the *Installation Instructions*.

Your ET Water Account

Your website account contains all of the important watering information you’ll need to ensure your site is efficiently irrigated. You can log in at any time at www.etwater.com to review such information as:

- When your HermitCrab will water again, and which stations will water
- When your HermitCrab last watered
- The number of hours in your water window
- When your HermitCrab last communicated with the ET Water server
- Current weather information, including ET data
- Watering adjustments, restrictions, and suspensions.

HERMITCRAB INSTALLATION INSTRUCTIONS

We strongly recommend that you run a station test for ALL the stations linked to your existing (host) controller so that you can correct any transformer, wiring or solenoid problems before you install your HermitCrab.

Before you start

Here are some things you will need to consider before you mount and connect your HermitCrab:

- ✓ **Do you have the correct communications cable?**
Each host controller requires its own specially designed cable. Cables can be purchased separately. Refer to the chart on Page 10 for a list of compatible host controllers.
- ✓ **Is there sufficient mounting space?**
The communications cable that connects your HermitCrab to the host controller is 3 feet long. You will need to mount or hang your HermitCrab so that the communications cable can easily attach to the port and/or terminal of the host controller *and* your HermitCrab. Refer to pages 11 to 16 to find the exact location of your host controller connection point.
- ✓ **Is your host controller mounted in a vandal-proof enclosure or pedestal?**
If your host controller is inside a pedestal or other enclosure, you may decide to hang your HermitCrab on the side or the back of it. Please note, however, that the wireless signal strength from inside the enclosure may be too low to ensure consistent and reliable communication.
- ✓ **Will you need extra conduit?**
If you use conduit to protect your cables from vandalism, either flexible or rigid, you will need a $\frac{3}{4}$ inch or larger to accept the connectors on each end of the communications cable. You may also need a junction box and any related conduit/box connectors.
- ✓ **Do you have a rain sensor? If you use a rain sensor, you may need some 18 or 20 gauge wire to splice to your rain sensor wires so they reach HermitCrab**
- ✓ **Do you want to lock the HermitCrab cover?** Find the round plastic link above the lower clasp. You can slide a thin padlock hasp through the link to lock the cover.

WARNING: If your host controller is installed in an area known to receive lightning strikes, ET Water recommends the controller be thoroughly grounded via a grounding rod or similar installation.

STEP BY STEP INSTALLATION INSTRUCTIONS

Step 1: Program the existing (host) controller

The host controller needs to be set up correctly to accept watering commands from your HermitCrab. Locate the brand and model of your host controller in the chart on Page 10, and follow the instructions on pages 11 to 16 to set it up for “HermitCrab Mode.”

Step 2: Turn off the power to the host controller

Your HermitCrab receives its power from the host controller, so there’s no need to wire in 24 VAC. But you should turn the power off while making the connections between the host and your HermitCrab.



Step 3: Mount your HermitCrab

First, attach the swivel-out brackets to the bottom corners of the plastic enclosure. Then position the HermitCrab on the mounting surface and anchor it using the included screws. For anchoring to a pedestal, use self-tapping metal screws. For stainless steel enclosures, drill a pilot hole, and then use a tapered bit to increase the hole size.

Step 4: Connect communications cable to your HermitCrab

Plug the communications cable into the 9-pin port located at the base of your HermitCrab. **(Tip: The ^ symbol on the plug should be facing up.)** Figure 1 shows the communications and rain switch connections to the HermitCrab. Figure 2 shows the correct communications cable orientation. If using conduit, first insert a conduit connector through the hole at the bottom of the HermitCrab enclosure and tighten with a locknut. **(Note: We recommend threading the cable and any rain sensor wires through the conduit starting at the host controller.)**

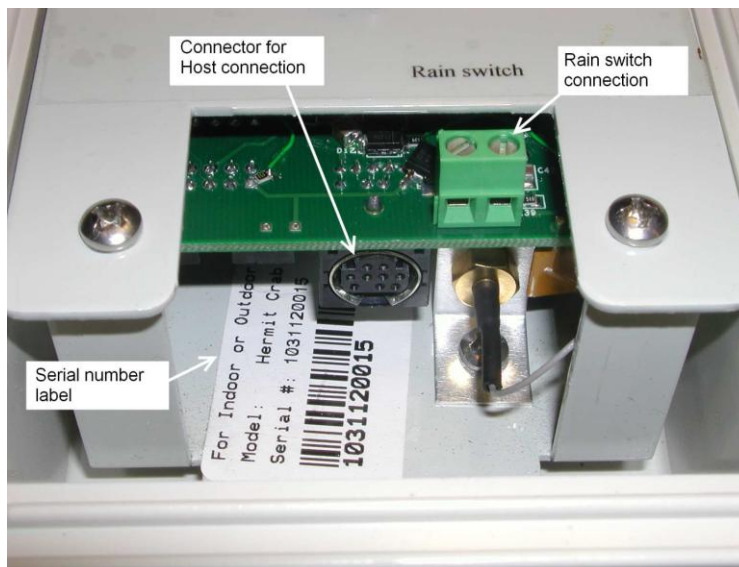


Figure 1

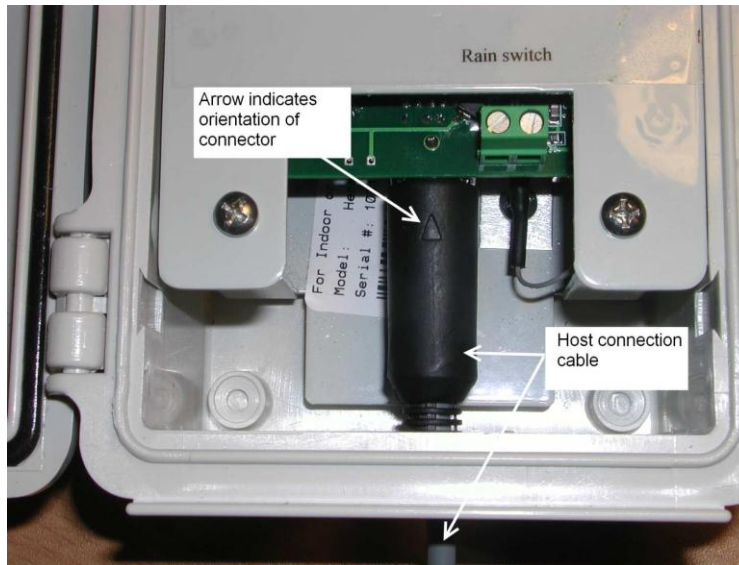


Figure 2

Step 5: Connect rain sensor wires (if applicable)

If your host controller has a rain sensor, remove the wires and connect them to the *Rain Switch* terminals on your HermitCrab. (If you are using conduit, you will need to thread the wires through the conduit.)

If you have a wireless sensor, leave the sensor receiver power wires attached to the host controller, but splice them with two lengths of wire and attach them to the HermitCrab *Rain Switch* terminals. The blue wire connects to the left terminal; the white wire connects to the right terminal. **You will need to configure your HermitCrab to look for rain sensor input** (see Step 10 for instructions and Page 9 for more information).

Step 6: Connect communications cable to host controller

Attach the communications cable to your host controller. Refer to the pictures on pages 11-16 for connection locations and any instructions specific to the brand and model of your controller.

Step 7: Power the host controller. The LCD on the HermitCrab will illuminate and show the Setup Menu.

Step 8: Select the Host Controller. On the HermitCrab Setup Menu the display defaults to highlighting the first selection. Press the knob to access the host list, turn the knob to highlight your selection, and press the knob to select it.

NOTE: IF YOU DON'T SELECT A HOST, OR IF YOU SELECT THE WRONG HOST, YOUR HERMITCRAB WILL NOT OPERATE CORRECTLY.

Step 9: Activate a station. It is important to ensure the HermitCrab can activate a station on the host controller. On the HermitCrab Setup Menu turn the knob to highlight station test. Press the knob to access the station test screen. Turn the knob to select the station you want to activate, and then press the knob to select it. Use the same procedure to enter the run time minutes. Highlight the *Begin* selection and press the knob.

Step 10: Enable the rain sensor (if applicable). On the HermitCrab Setup Menu, turn the knob to select *Rain Sensor Disabled*, press the knob and highlight *Enable*. Press the knob to make the selection.

Step 11: Execute a Test Dial

A Test Dial initiates a connection to the ET Water servers where all of your account information, landscape profiles, and watering schedules are stored. Turn the knob to highlight the *Test Dial* selection and press the knob to make the selection. You'll see a graphic that displays signal strength. Make sure there is a cellular signal. At the bottom of the screen, highlight the *Dial* selection and press the knob to make the selection. The HermitCrab will display that it is transmitting ("TX") and will show that it is receiving ("RX") and it will display the number of data packets that are received. When the communication is finished, you will see "Done".

Note: You may execute a Test Dial at any time. With each connection, your HermitCrab downloads the latest watering schedules, so this feature is especially useful if you have made changes to your landscape profile.

Step 12: Complete the HermitCrab Setup. You can complete the setup process by turning the knob and selecting *Setup Complete*. Press the knob to make the selection.

INSTALLATION OF YOUR ET WATER HERMITCRAB IS NOW COMPLETE!

Some Key Facts to Remember

- Your HermitCrab is designed to send watering commands to your host controller based on smart irrigation schedules it retrieves daily from your account at www.etwater.com.
- Your HermitCrab receives its power from your host controller. When the host controller is turned off, your HermitCrab will also be turned off.
- If you want to use a remote control, you will need to disconnect the HermitCrab communications cable and reconnect it once the remote operation is complete. You can also purchase the QuickDraw service from ET Water Systems. The service lets you use a smartphone to turn stations on and off as well as suspend the controller.
- If you add watering stations or change your landscape profile, there's no need to reprogram your HermitCrab. You simply edit your landscape profile online, and the new information will download to your HermitCrab automatically.
- Your HermitCrab can connect to any compatible host controller—just be sure you have selected the correct Host type and that you are using the correct communications cable. Then, update your landscape profile if you move it to a new location.
- You can stop watering at any time by turning the knob to select *Cancel*. The LCD screen will display which station is currently being irrigated. The cancel selection is at the bottom right of the LCD screen.

USING THE DISPLAY SCREEN AND MENUS

HOME SCREEN

The “Home Screen” shows basic information about your HermitCrab and its current status. Only three lines are visible on the display screen at any one time. The Home Screen shows:

- Current Date and Time
- Serial Number
- Status

Current Date and Time: This line displays the current local time where your HermitCrab is installed. This information is automatically updated every time your HermitCrab connects to the ET Water servers.

Serial Number: Your serial number is unique, and you should use it if you communicate with the ET Water Support Team.

Status: This line tells you what your HermitCrab is doing. There are five status modes:

- Idle (not currently watering)
- Watering (currently watering a station using a downloaded schedule or a manual activation)
- Suspended (HermitCrab operation has been suspended and will not water, but it will make daily connections to the ET Water servers to download watering schedules)
- Rain Sensed (your HermitCrab will not water because the rain sensor is wet [you will receive an alert for this condition])
- Soaking (automatic pause during irrigation to allow the water to soak in)

THE ACTION MENUS

There are 9 Action Menus. You access them from anywhere in the Home Screen by pressing the selector knob, then rotating it to your selection. Once your selection is highlighted, press the knob to access the Actions sub-menu.

The 9 Action Menus appear in the following order:

1. Percent Adjust
2. Suspend is off / on
3. Station Test
4. Misc Status Info
5. (Return)
6. Host Select
7. Test Dial
8. Program Review
9. Rain Sense disabled / enabled
10. Recent Activity
11. (Return)

Percent Adjust: Use this function to increase or decrease your irrigation run-times. Rotate the selector knob to select either one specific station, or all stations, and press the knob to make your selection. Then rotate the knob to choose the percent adjustment you wish to make. Complete the process by selecting either *Accept* or *Cancel*. Once complete, the display will return to the Home Screen.

Suspend: Use this function to stop all scheduled watering. Rotate the selector knob to highlight your choice. *On* means suspend all stations so that no watering will occur. *Off* means all stations will water according to their downloaded schedules. Press the knob to make your selection. Once complete, the display will return to the Home Screen. (**Note:** If you want only some stations to water, but not others, use your online account to apply restrictions to the stations you want off.)

Station Test: Use this function to turn on and off a station. Rotate the selector knob until the station number you want to water appears. Press the knob to make your selection. Next, rotate the knob to select the number of minutes you would like the station to water. Press the knob to make your selection. You will need to press the knob again once *Begin* is highlighted, or you can cancel the watering command by selecting *Cancel*. If you select *Begin*, the display will show you which station is watering, the number of minutes you requested, and the number of minutes remaining. (**Note:** To stop watering before the minutes run out, press *Stop*. Watering will stop, and the display screen will return to the Home Screen.)

Misc Status Info: This selection will display the host currently selected for the HermitCrab, the firmware version the device is running and the date / time the device last connected. This information will be helpful if you call ET Water technical support.

Return: When *Return* is highlighted, you may press the selector knob to return to the Home Screen.

Host Select: Rotate the selector knob until your type of host controller is highlighted, then press the knob to make your selection. (See Page 10 for a list of compatible host controllers.) After making your selection, the display will return to the Home Screen. (**Note:** If you had previously selected your host controller, its name will appear in the display. If it is correct and you don't want to change it, press *Cancel* to return to the Home Screen without changing your host controller.)

**YOU MUST SELECT THE CORRECT HOST CONTROLLER OR YOUR HERMITCRAB
WILL NOT OPERATE CORRECTLY.**

Test Dial: A Test Dial initiates a connection to the ET Water servers where all of your account information, landscape profiles, and watering schedules are stored. You may execute a Test Dial at any time. With each connection, your HermitCrab downloads the latest watering schedules, so this feature is especially useful if you have made changes to your landscape profile.

When you access the Test Dial selection, the display shows the last connection date and time, a bar graph depicting the wireless signal strength, and two menu options: “Dial” and “Don’t Dial.” To execute a Test Dial, press the knob when the “Dial” option is highlighted. There needs to be some amount of cellular signal for the test dial to be successful. Your HermitCrab will initiate a connection. The HermitCrab will display that it is transmitting (“TX”) and will show that it is receiving (“RX”) and it will display the number of data packets that are received. When the communication is finished, you will see “Done”. Your HermitCrab will terminate the connection automatically. (**Note:** During the connection, “Abort” will be highlighted, which means you may press the knob to stop the connection in progress.)

After a successful connection or an aborted connection, you will automatically return to the Home Screen.

Program Review: This screen shows the first watering start time and the number of programmed stations.

Rain Sense: This function allows your HermitCrab to operate with a rain sensor. If you connect a rain sensor to your HermitCrab, you must enable it as well. To enable your rain sensor, rotate the selector knob to highlight “Rain Sense Disabled,” then press the knob. Next, rotate the knob to either *Enable* or *Disable*. Press the knob to make your choice. (**Note:** You can cancel the rain sensor setup process by pressing the knob when “Cancel” is highlighted.) You will automatically return to the Home Screen once you’ve enabled the sensor or cancelled the setup process.

Recent Activity: This function displays event codes that describe operations your host controller has recently performed. Rotate the selector knob to scroll through the list. To exit from the list, press the selector knob.

Here is a sample of events codes and their descriptions:

EVENT NUMBER	DESCRIPTION
1300, 1301, 1302, etc.	1300 indicates a station was manually watered, 1301 indicates Station #1 was manually watered. 1302 indicates Station #2 was manually watered, etc.
1000	Power cycle or reset
1503	Watering suspended
1507	A wet rain sensor delayed scheduled irrigation

MODEL / HOST FAMILY GUIDE

IF YOUR CONTROLLER MODEL IS:	YOUR HOST FAMILY SELECTION WILL BE:
Rain Bird® ESP-LX Modular or Rain Bird® ESP Modular	Rain Bird 6-pin
Rain Bird® SST series models 400, 600 and 900, or Rain Bird® STPi series	Rain Bird 5-pin
Hunter® ICC, Hunter® SRC, Hunter® Pro-C	Hunter
Irritrol® MC-E or Irritrol® MC Plus B series	Irritrol-TRC
Rain Master® Sentar™, Rain Master® Eagle™, Rain Master® Hawk, Rain Master® Evolution™ DX2	Rain Master

SETTING UP THE HOST CONTROLLERS AND CONNECTING THE HERMITCRAB COMMUNICATION CABLES

NOTE: The runtime minutes that display on the host controllers may not match the number of minutes of scheduled irrigation or manual watering displayed on the HermitCrab LCD. Check the HermitCrab display to confirm the number of minutes the host controller will be operating.

Rain Bird® STPi and SST Series (HOST FAMILY: RAIN BIRD 5-PIN)

How to set to host mode:

- Turn the selector knob to “1” and press the “zone off” button. Repeat for all programmed stations.
- Next, turn the selector knob to “Auto.”

How to attach the HermitCrab communications cable:

1. Remove the factory two-pronged 24VAC connector from its connection. Next, slide the power connector from the HermitCrab communications cable onto the 24VAC prongs (See **Figure 3**). Reconnect the factory 24VAC connector (See **Figure 4**).



Figure 3

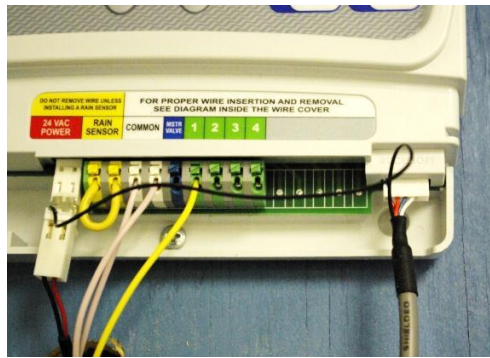


Figure 4

2. Slide the five-pin connector into the accessory slot (**Figure 5**). Orient the plastic tabs down.

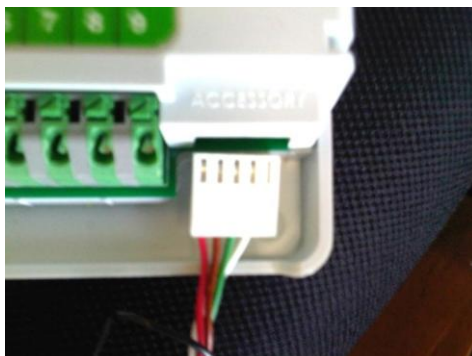


Figure 5

Rain Bird® ESP Modular (HOST FAMILY: RAIN BIRD 6-PIN)

How to set to host mode:

- Block all watering days on the host controller, and set the knob to the “Auto” position.
- **Or**, set the knob to the “Off” position. (In this mode, manual watering will not display on the host controller.)
- **Or**, change all station watering times to 0 minutes, and set the knob to the “Auto” position.

How to attach the HermitCrab communications cable:

1. The communications cable connects to the back of the host controller's front panel in the “remote” port. The plastic tabs on the connector are oriented down. See **Figure 6**.
2. Connect the black wire to the “valve common” terminal.



Figure 6

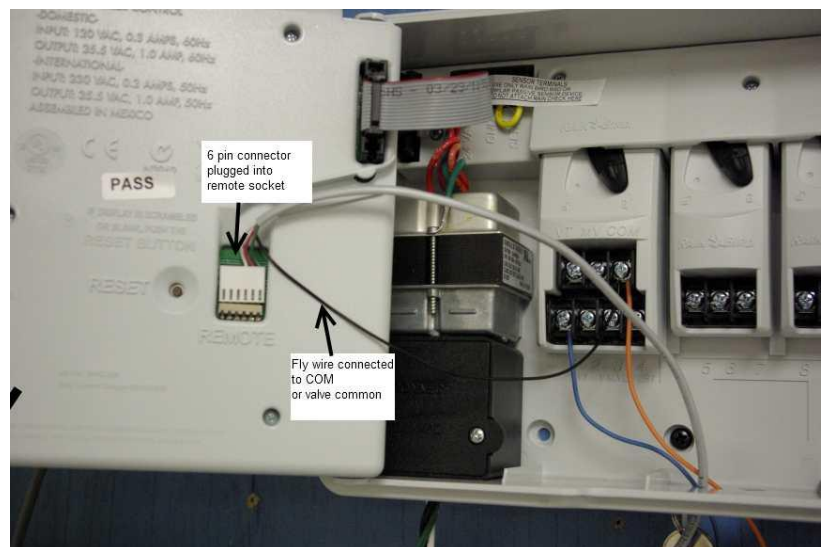


Figure 7

Rain Bird® LX Modular
(HOST FAMILY: RAIN BIRD 6-PIN)

How to set to host mode:

- Turn all watering zones off and leave the knob in the “Auto” position.
- **Or**, change all station watering times to 0 minutes, and set the knob to the “Auto” position.

How to attach the HermitCrab communications cable:

- The six pin connector slots into the remote port to the right of the transformer.
- Connect the black wire to the “valve common” terminal.
- See **Figure 8**

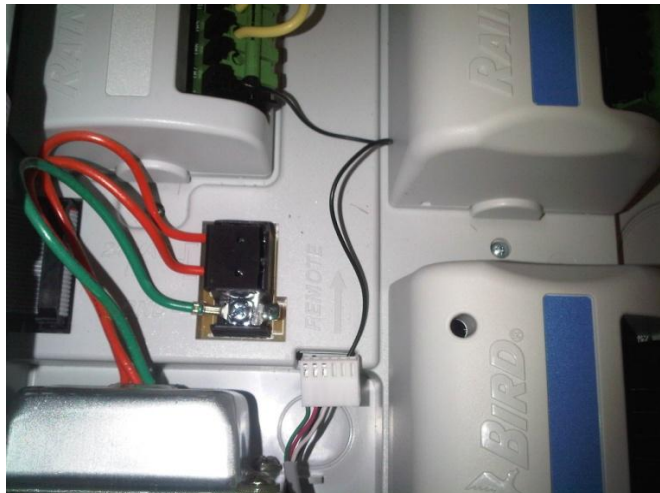


Figure 8

Irritrol® MC Plus B and MC-E Series (HOST FAMILY: IRRITROL-TRC)

How to set to host mode:

- **MC Plus B:** Set the controller to the “Rain Off” position.
- **MC-E:** Set the controller to the “Remote Control” position.

How to attach the HermitCrab communications cable:

- **MC Plus B:** The communications cable connects to the 6-pin connector located on the reverse side of the keypad (See **Figure 9** and **Figure 10**).
- **MC-E:** The communications cable connects to the 6-pin connector located at the bottom right corner of the controller’s upper panel (See **Figure 11** and **Figure 12**).

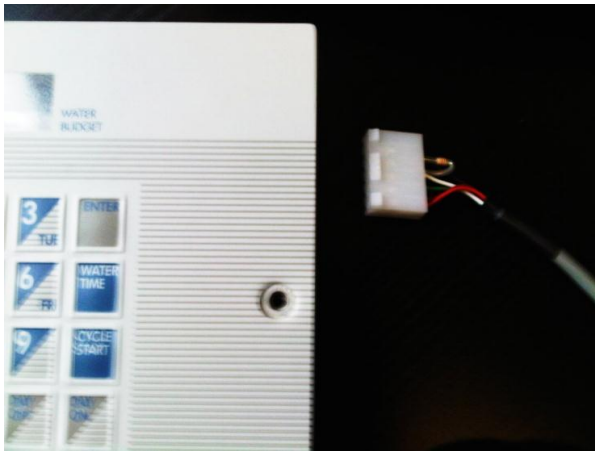


Figure 9

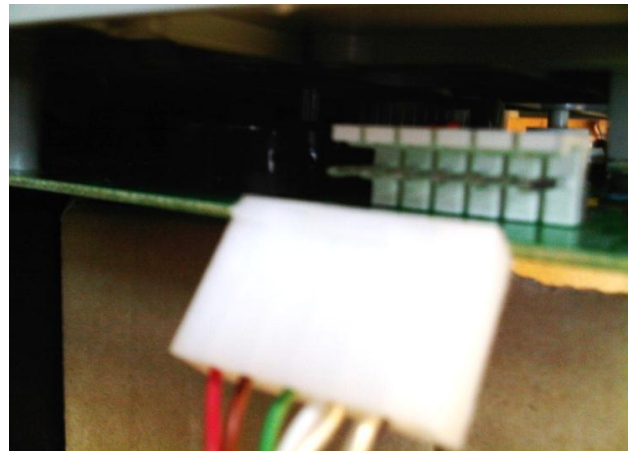


Figure 10

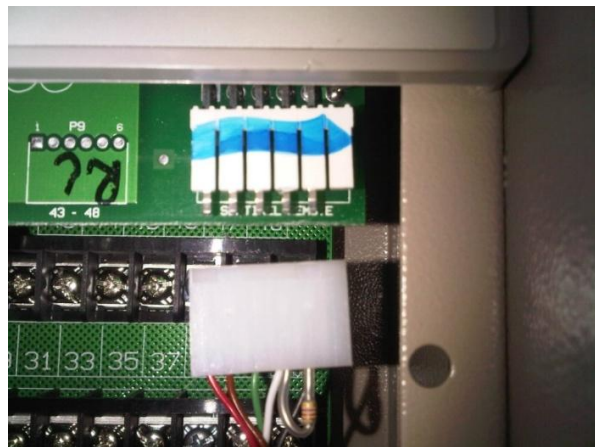


Figure 11



Figure 12

Hunter® ICC, SRC, Pro-C (HOST FAMILY: HUNTER)

How to set to host mode:

- Set the controller to the “System Off” position.

How to attach the HermitCrab communications cable:

There should be 3 loose wires that you connect as follows:

- Connect the brown wire to the “REM” or “R” terminal.
- Connect the white wire to the “AC2” terminal.
- Connect the red wire to the “AC1” terminal.
- See **Figure 13** and **Figure 14**

NOTE: Your AC terminals may not have the number descriptors.



Figure 13

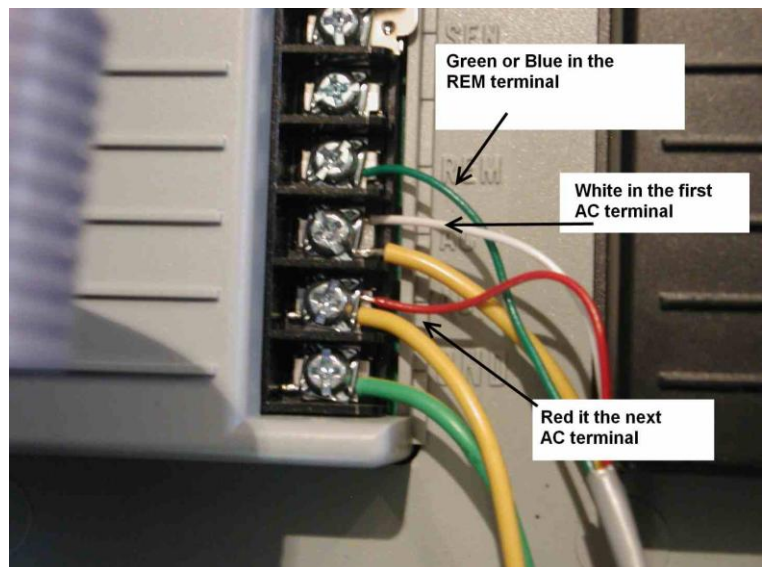


Figure 14

Rain Master® Sentar™, Eagle™, Hawk, and Evolution™ DX2 (HOST FAMILY: RAIN MASTER)

How to set to host mode:

- After connecting the HermitCrab communications cable (directions below) the host controller will default to “remote” mode. No other set up procedures are necessary.

How to attach the HermitCrab communications cable:

- The small green circuit board on the HermitCrab communications cable has a nine-pin connector (See **Figure 15**). This connector will slot into the remote port on the front panel of the Rain Master® controller (See **Figure 16**).



Figure 15



Figure 16

TROUBLESHOOTING GUIDE

The cable won't connect to the HermitCrab.

Make sure you're trying to connect the end of the cable with the round, black connector. The embossed triangle should be facing you when you are plugging it in to the HermitCrab. (See Page 4 for instructions.)

The cable won't connect to the host controller.

Make sure you're trying to connect the proper end of the cable. Also, every model of controller has its own type of connector. Do you have the correct cable for your model? Are you aligning it correctly to make the connection? Refer to Pages 11 – 16 for instructions on the specific brand and model of your controller.

There's a loose wire on the cable. What do I do with it?

The wire probably attaches to the valve common terminal in your host controller. Refer to Pages 11 – 16 for wiring instructions on the specific brand and model of your controller.

Where do the rain sensor wires go? Can't I just interrupt the common?

The rain sensor wires connect to the small green "Rain Switch" terminal strip on the HermitCrab. You'll also have to enable the rain sensor on the HermitCrab. If you interrupt the common, the sensor will function, but the HermitCrab will not be able to alert you when the rain sensor is wet and the HermitCrab will not delay irrigation where there is rainfall.

The HermitCrab doesn't turn on. I don't think it is has any power.

Is the host controller turned on and operational? Your HermitCrab gets its power from the communications cable that connects it to the host controller. Check to be sure the host is on and working. If it is, but your HermitCrab still has no power, check the connection at both ends of the communications cable.

The HermitCrab doesn't activate any stations.

First, check that HermitCrab has been set to the correct Host controller, if so proceed as follows.

Remove the HermitCrab communications cable from the host controller, and then activate the station from the controller's panel so that you're using only the host controller. Does the station activate? If not, check for circuit or solenoid problems. If it does activate, reconnect the HermitCrab and attempt activation. If the station still doesn't activate, try to activate other stations. If other stations don't work, make sure the host controller has been correctly set to HermitCrab Mode (see pages 11 – 16) and the Hermit Crab has been set for the correct host (see page 10).

When the watering start time occurs, nothing happens.

Can your HermitCrab activate a station? Is the host controller correctly set to the mode specified for your specific controller? Check the Home Screen to see if there's a watering suspension in place. You should also check your online account to see if any restrictions have been applied.

The HermitCrab doesn't display any irrigation schedules. I don't think it's programmed correctly.

Has the HermitCrab been registered online? Has it already connected to the ET Water servers? All of the irrigation scheduling is programmed online, not on the HermitCrab. The HermitCrab must then connect to the ET Water servers to download its schedules. Check the "Last Connect" display on the "Misc Status Info" menu. If your HermitCrab has never connected, you will need to initiate a Test Dial (see Page 8). No connection over a period of time would indicate there is not enough signal strength for proper operation. Check the signal strength and contact ET Water if needed. If it has connected but there are still no schedules, check your account online to verify that the stations have been configured.

Does the host controller retain the schedules that were in it before the HermitCrab was attached?

It depends on how the host controller needs to be set up. Some controllers require that no watering days be selected; others require that the run-time minutes in the existing schedules be changed to "0" minutes. It's always best to jot down the schedules in the host controller before you install the HermitCrab.

I was running more than one program, and I can't figure out how to set this up on the website.

The host controller may have been set up with Program A, Program B, etc. The HermitCrab provides one water window during which any necessary watering will occur, and the online irrigation schedules determine when the HermitCrab waters. Note that irrigation frequencies will be different for turf and shrubs, and your online scheduling will likely select different watering days for different plant material.

Is there an antenna? Where does it go?

The antenna is already installed inside your HermitCrab case.

I don't think the HermitCrab is connecting. What do I do?

First go to the "Misc Status Info" menu and look at the last connect time and date. This time and date should be less than 24 hours ago. If it is not proceed as follows.

Every time your HermitCrab makes a connection to the ET Water server, it displays the communication status in progress. After selecting the "Dial" step on the Test Dial menu, a "TX" will appear to indicate a connection has started and you will see "RX" and a series of numbers that represent the transfer of data packets. When the communication session is complete, the display will read "Done," and your HermitCrab will terminate the connection automatically. (**Note:** During the connection, "Abort" will be highlighted, which means you may press the knob to stop the connection in progress.)

You can initiate a Test Dial at any time by selecting the Test Dial menu and pressing the selector knob when *Dial* is highlighted. If the display screen shows no connection activity after you press “Dial,” turn off the power by unplugging the communications cable from the bottom of the HermitCrab. Wait two full minutes before reconnecting the cable. Reconnect the cable and wait another two minutes. Initiate another Test Dial.

I need the HermitCrab serial number. Where is it?

When the HermitCrab is turned on, the serial number displays on the second line of the Home Screen. It is also on a label on the bottom plate inside the HermitCrab box.

CUSTOMER SUPPORT

Our Customer Support Center is open from 7:00 a.m. to 3:00 p.m. Pacific Standard Time, Monday through Friday, at (888) 685-5505. Be sure to have your account and serial numbers handy. You can also email us at support@etwater.com.

LIMITED WARRANTY STATEMENT

LIMITED WARRANTY

ET Water Systems, Inc. (“ET Water”) warrants that any ET Water hardware product will be free from defects in materials and workmanship under normal use for a period of three (3) years after the date of purchase. Your sole and exclusive remedy and ET Water’s entire liability under this warranty is, at ET Water’s option, either (i) repair of the product, (ii) replacement of the product, or (iii) refund of the purchase price of the product (as evidenced by a copy of your purchase receipt), less any rebates or credits.

EXCLUSIONS

The above mentioned warranty shall not apply (i) if the product has been altered or modified without ET Water’s authorization, (ii) if the product has not been installed, operated, repaired, or maintained in accordance with ET Water’s instructions, (iii) if the product has been subjected to abnormal physical, thermal, or electrical stress, or to misuse, neglect, or accident, or (iv) if product failure occurs as a result of any cause not attributable to ET Water.

WARRANTY SERVICE PROCEDURES

You must notify ET Water (by contacting us at 1-888-685-5505) of any defect in the product within the applicable warranty period and provide dated proof of original purchase prior to the return of the product. Within ten (10) business days after the date of notification, ET Water will provide you with a Return Material Authorization (“RMA”) number and the location to which you must return the product. You are responsible for proper packaging of the product returned to ET Water, shipment to ET Water’s designated location, and return of the product within ten (10) business days after issuance of the RMA number. ET Water does not accept responsibility for any product lost in transit and recommends that the return be insured for the full value of the product. Transportation costs relating to warranty service and any applicable duties will be borne by you. If a warranty claim is invalid for any reason, ET Water will contact you.

DISCLAIMER

EXCEPT AS SPECIFIED IN THE LIMITED WARRANTY ABOVE, ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS, AND WARRANTIES INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, NON-INFRINGEMENT, OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE, ARE HEREBY EXCLUDED AND DISCLAIMED TO THE EXTENT ALLOWED BY APPLICABLE LAW. IN NO EVENT WILL ET WATER OR ITS AFFILIATES OR SUPPLIERS BE RESPONSIBLE FOR ANY THIRD PARTY PRODUCTS, INCLUDING WITHOUT LIMITATION, HOST CONTROLLERS, SPRINKLERS OR DRIP IRRIGATION SYSTEMS, NOT PROVIDED BY ET WATER.

LIMITATION OF LIABILITY

IN NO EVENT WILL ET WATER OR ITS AFFILIATES OR SUPPLIERS BE LIABLE FOR ANY LOSS OF USE, INTERRUPTION OF BUSINESS, LOST PROFITS, OR LOST DATA, OR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND, REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY, OR OTHERWISE, EVEN IF ET WATER OR ITS AFFILIATE OR SUPPLIER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE, AND WHETHER OR NOT ANY REMEDY PROVIDED SHOULD FAIL OF ITS ESSENTIAL PURPOSE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM JURISDICTION TO JURISDICTION.

ETWATER, ETWATER MANAGER, and HERMITCRAB are trademarks of ET Water Systems, Inc. This product is protected by US Pat. No. 7,596,429 and patents pending.

Rain Bird is a registered trademark of the Rain Bird Corporation.

Hunter is a registered trademark of Hunter Industries Incorporated.

Irritrol is a registered trademark of The Toro Company.

Rain Master is a registered trademark of The Toro Company.

ET Water Systems, Inc. is neither affiliated with nor endorsed by Hunter Industries, The Rain Bird Corporation, Rain Master Irrigation Systems, Inc., or The Toro Company.



Use this form to record your **current** station configurations (irrigation method, plant type, slope, soil, sun exposure, etc.) At the bottom, also record the current watering schedule for each station. For example, Station #1 may now water twice a week (2 sessions) for one hour each, for a total watering time of 2 hours per week. This information will help you configure your stations on our website, and also allow you to compare your current watering schedule and usage with your new ET Water schedule.

Mark the applicable row using the checkboxes at right, and use a new sheet as needed.

Station Number												
<input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10	11	12
<input type="checkbox"/>	13	14	15	16	17	18	19	20	21	22	23	24
<input type="checkbox"/>	25	26	27	28	29	30	31	32	33	34	35	36
<input type="checkbox"/>	37	38	39	40	41	42	43	44	45	46	47	48

Irrigation Method												
Spray Head												
Rotor												
Impact												
Stream												
Drip												
Bubbler												
Precipitation: inches or gallons per hour												
Distribution Uniformity (Percent)												
Root Depth (Inches)												
Plant Type* (Choose as many as apply)												
Cool Season Grass												
Warm Season Grass												
Flowers/Bedding Plants												
Shrubs (Native)												
Shrubs (Non-native)												
Groundcover/Vines												
Trees (Native)												
Trees (Non-native)												
Ornamental Grasses												
Vegetables/Herbs												
Cactus/Succulents												
Slope												
Flat/Negligible (0-5%)												
Gentle (6-8%)												
Medium (9 to 12%)												
Steep (13-20%)												
Very Steep (over 20%)												
Soil												
Sandy (porous)												
Sandy Loam												
Loam (medium)												
Loamy Clay												
Clay (dense)												
Sun Exposure												
Sunny all day												
Shady part of the day												
Shady all day												
Current Watering Schedule												
Sessions per week												
Minutes per session												
Total minutes per week												
New schedule: approx. minutes per week												

* **Plant types:** Please note the approximate age of your plants and whether they are deciduous or evergreen. Also, for plants over one year old, our system will assume they have the normal mature root depth for the type of plant indicated. If you believe your plants have not achieved their normal root depth, you may change this value using the Advanced Setup page or Edit Station feature on the website.

