



Water Hero®

Conserve. Protect. Save.

**INSTALLATION AND OPERATION
MANUAL**

P-100

Water Hero P-100

Thank you for purchasing the Water Hero P-100, which offers whole-building leak detection and water conservation monitoring. This box contains:



Main Controller



Sensor Cable
[~6 foot length]



5V Power Supply
[~6 foot cord length]



Water Meter, Sensor Cap
& Unions



Motorized Ball Valve
[~6 foot cord length]

Warning

Water Hero P-100 is plumbed into a water supply line. Improper installation can cause leaks. Ensure installation is completed by a licensed plumber and abides by the following guidelines:

- In accordance with state/local building codes
- Wear personal protective equipment when installing the Water Hero P-100
- Do not open the Water Hero Main Controller or Sensor Cap. If you have trouble, contact Water Hero support
- Use the Water Hero only where it complies with applicable rules and regulations
- Install the Water Hero P-100 System indoors where it will not be exposed to direct sunlight, water or extremely low or high temperatures. No exposure to water. RH < 90%; Temp 0 to 140 F
- Accuracy of the Water Hero P-100 is dependent on flow rate – accuracy is typically within 10%

Terms & Conditions

All Water Hero terms and conditions, privacy policies and warranty policies can be found on the Water Hero website

www.waterheroinc.com/legal

Contact us

For installation and technical support questions, reach out to us at:

support@waterheroinc.com



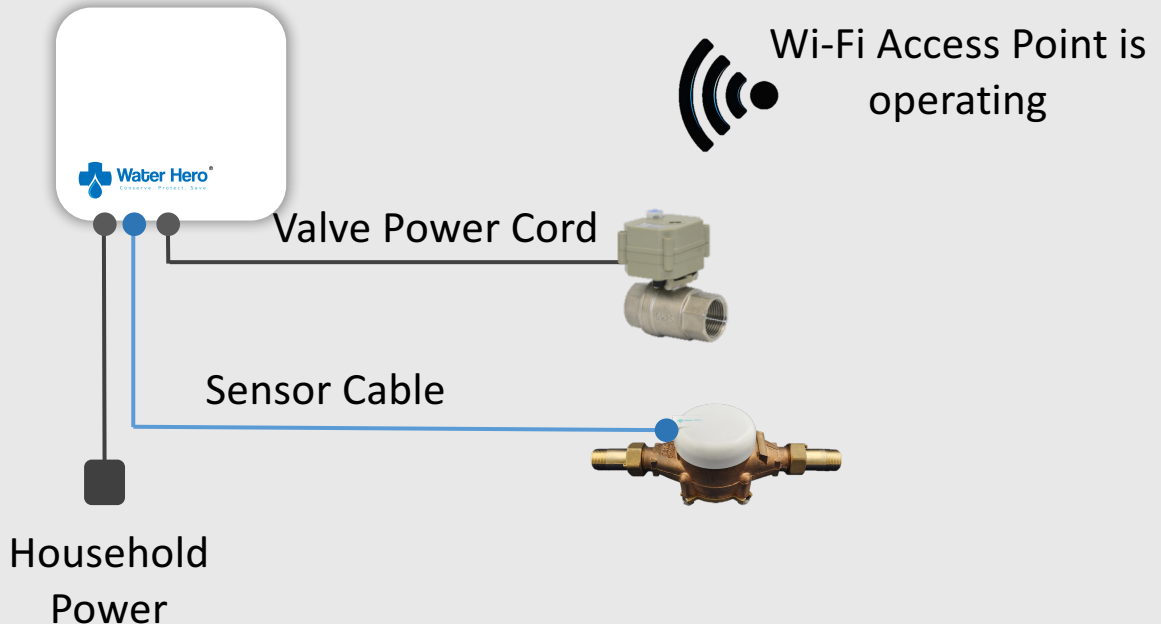


Start-up Guide

P-100

Connect your Water Hero

1. Place Water Hero near desired installation site
2. Connect Sensor Cable from Main Controller to Sensor Cap
3. Connect your Valve Power Cord to the Main Controller
4. Ensure that your Wi-Fi Access Point is on and operating
5. Plug Power Supply into Main Controller and then into outlet



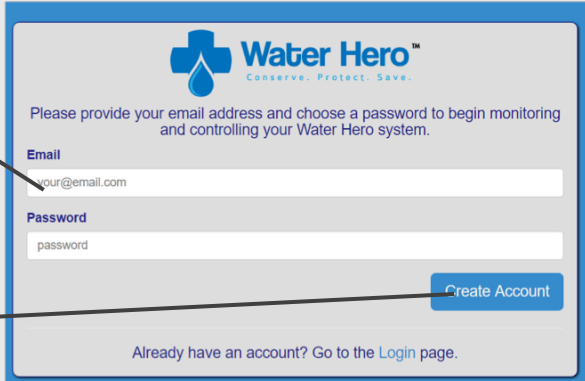
Create a Water Hero Account

1. Using your device (i.e. computer, laptop, or mobile device), open a web browser. Enter URL my.waterhero.com and select “Create an account”



The image shows the Water Hero login page. At the top is the Water Hero logo with the tagline "Conserve. Protect. Save." Below the logo is the instruction "Please log in to begin monitoring and controlling your Water Hero system." There are two input fields: "Email" with the placeholder "your@email.com" and "Password" with the placeholder "password". A blue "Login" button is on the right. At the bottom, it says "New customer? Create an account to get started." A line from the text "Create an account" in step 1 points to this text.

2. Enter your e-mail address and desired password. Remember your account e-mail and password



The image shows the Water Hero account creation page. At the top is the Water Hero logo with the tagline "Conserve. Protect. Save." Below the logo is the instruction "Please provide your email address and choose a password to begin monitoring and controlling your Water Hero system." There are two input fields: "Email" with the placeholder "your@email.com" and "Password" with the placeholder "password". A blue "Create Account" button is on the right. At the bottom, it says "Already have an account? Go to the Login page." A line from the text "Remember your account e-mail and password" in step 2 points to the input fields, and another line from the text "Create Account" in step 3 points to the "Create Account" button.

3. Select “Create Account”

Access the Device Configuration page

1. Turn the Main Controller to its side; ensure the yellow light is on and the green light is blinking*

Sensor Cable & Other
Connections



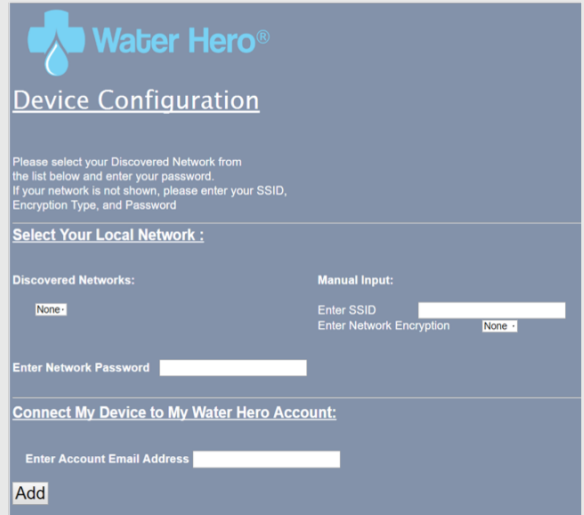
2. Connect your device to the “Water Hero AP” network
3. Open an internet browser (e.g. Internet Explorer, Chrome) and enter URL “http://192.168.1.1” to be directed to the Device Configuration page

A screenshot of the Water Hero Device Configuration web interface. The page has a blue header with the Water Hero logo and the title 'Device Configuration'. Below the header, there is a section titled 'Select Your Local Network :'. This section is divided into two columns: 'Discovered Networks:' and 'Manual Input:'. Under 'Discovered Networks:', there is a dropdown menu currently set to 'None'. Under 'Manual Input:', there are fields for 'Enter SSID' and 'Enter Network Encryption', with a 'None' dropdown for the encryption type. Below these fields is an 'Enter Network Password' field. At the bottom of the page, there is a section titled 'Connect My Device to My Water Hero Account.' with an 'Enter Account Email Address' field and an 'Add' button.

*If Yellow light is not illuminated perform a Network Reset, P. 19 of manual

Enter Wi-Fi Network Information

1. Click the drop down menu under “Discovered Networks”. If available, select the (SSID) Wi-Fi Network that you’d like Water Hero to connect with. Next to each discovered network is an indication of signal strength - the closer to zero, the stronger the signal. If your network is not shown select “None” and manually input your SSID and web encryption (on your router)*
2. Enter your Wi-Fi network password**
3. Enter the account e-mail address (from P. 6)**
4. Once all information is entered, press “Add”



The screenshot shows the 'Device Configuration' screen for Water Hero. At the top is the Water Hero logo. Below it, the title 'Device Configuration' is displayed. A message instructs the user to select a discovered network or manually input details. The 'Select Your Local Network' section contains a 'Discovered Networks' dropdown menu (currently set to 'None') and a 'Manual Input' section with fields for 'Enter SSID' and 'Enter Network Encryption' (currently set to 'None'). Below this is a field for 'Enter Network Password'. The 'Connect My Device to My Water Hero Account' section has a field for 'Enter Account Email Address' and an 'Add' button at the bottom.

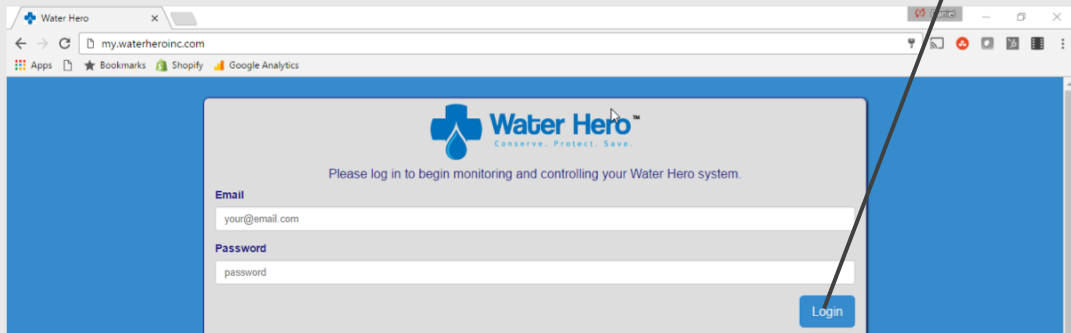
*Use “Manual Input” only if “Discovered Networks” drop down menu is full

**Text Entry Fields are sensitive to spelling, capitals and spaces

Verify Water Hero Connection



1. Upon successful connection, red light will blink, yellow light will blink and then green light will remain blinking*
2. Open a browser and enter URL my.waterheroinc.com
3. Enter account username and password and press login to view your device online



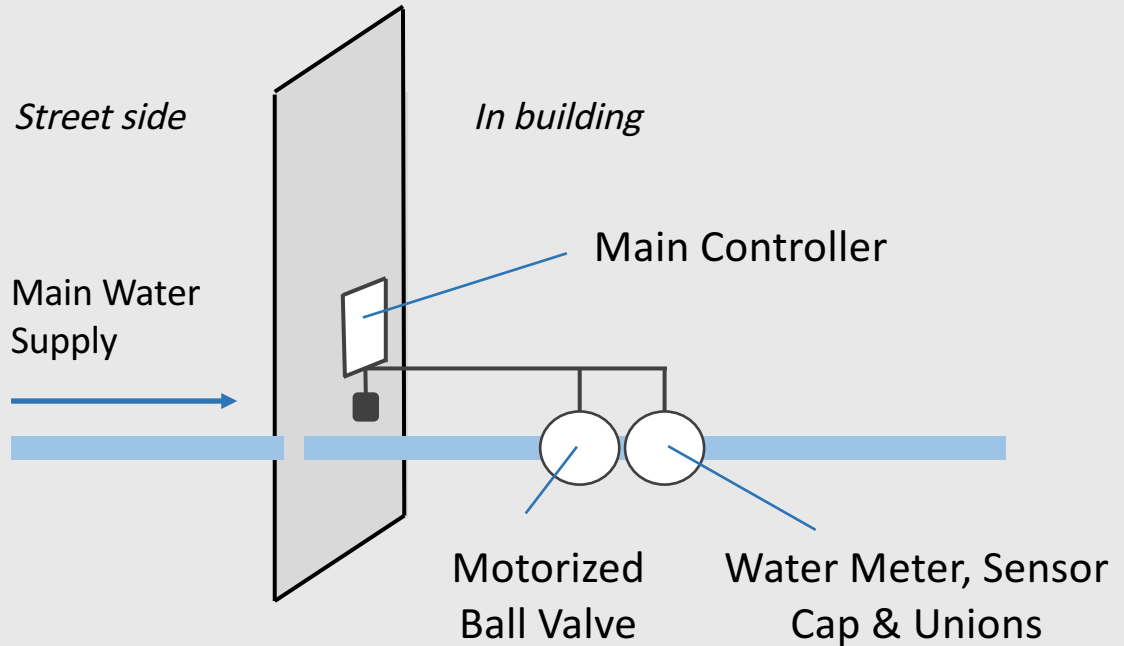
*If green light not blinking, conduct Network Reset on P. 20 of manual

Prepare for installation of Water Hero P-100

- The Water Hero P-100 can be installed in a horizontal or vertical orientation
- **Motorized Ball Valve** should be installed upstream from the meter
- Water Hero P-100 **MUST be installed downstream of fire suppression systems** and is recommended for installation downstream of irrigation and water softener systems
- Water Hero should be **installed indoors**, protected from the elements, freezing temperatures or excessive humidity
- Unit's Main Controller is powered by a **5V power supply** and should be located with **access to a 2.4 GHz Wi-Fi connection***
- **Unscrew Sensor Cap and disconnect Motorized Ball Valve from Main Controller before plumbing in Water Hero**

*Wi-Fi networks can not be behind a corporate firewall or sign-in page

Plumb Water Hero Meter & Motorized Ball Valve into pipe - reconnect cords and assembly when complete; verify connection (blinking green light)*



WARNING: Water Hero P-100 MUST be plumbed after (downstream of) fire suppression systems.

*Press Reboot (Button 1, P. 19) if green light is not blinking after reconnection



Features & Functionality

P-100



My Devices

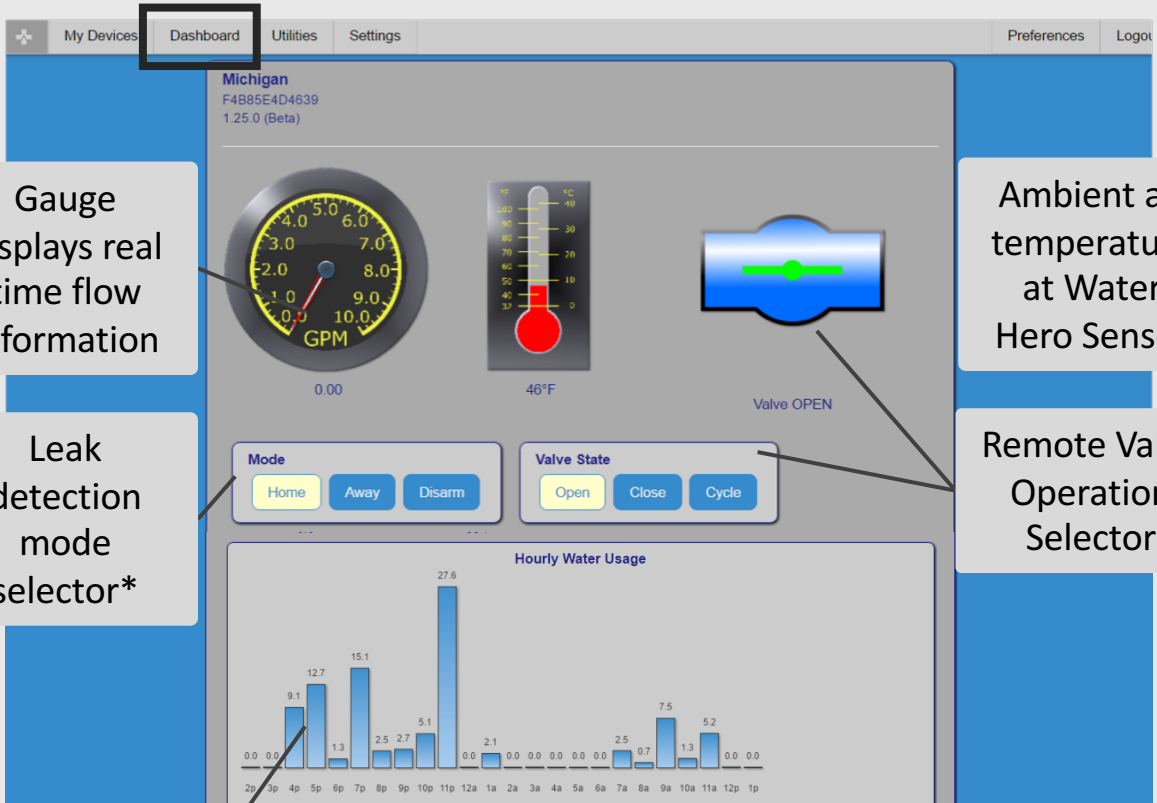
My Devices	Dashboard	Utilities	Settings	Preferences	Logout
WH Beta 20 C4BE84750C90	online	3766.9 gallons 503.6 cf	64°F 18°C		
WH Beta 21 F4B85E4D435B	online	2836.8 gallons 379.2 cf	60°F 16°C		
WH Beta 22 C4BE84750BD3	offline	0.0 gallons 0.0 cf	---		
WH Beta 23 C4BE8475F978	online	355.5 gallons 47.5 cf	46°F 8°C		
WH Beta 24 F4B85E4D47A3	offline	0.0 gallons 0.0 cf	71°F 22°C		
WH Beta 25 F4B85E4D4795	online	0.3 gallons 0.0 cf	69°F 21°C		
WH Beta 26 F4B85EC9EA30	online	3443.2 gallons 460.3 cf	62°F 17°C		
WH Beta 27 C4BE847526BB	online	1506.6 gallons 201.4 cf	75°F 24°C		
WH Beta 28 F4B85E4D467F	offline	0.0 gallons 0.0 cf	56°F 13°C		
WH Beta 29	online	1802.6 gallons	59°F		

Login to your account at my.waterhero.com and you will be presented the “My Devices” tab. This tab shows all Water Hero devices registered to the account. It also shows total water flow amount for each device listed and the ambient temperature at the meter sensor.

Click on the Device Name to access a dashboard that shows real-time information



Dashboard



Gauge displays real time flow information

Ambient air temperature at Water Hero Sensor

Leak detection mode selector*

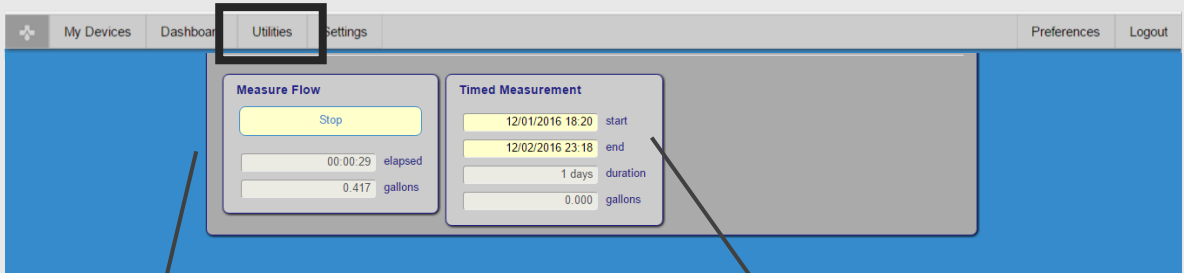
Remote Valve Operation Selector

Hourly water usage data

*Home/away mode alerts and shut-offs can be adjusted in Settings



Utilities



“Measure Flow” is a stopwatch feature that allows user to view the amount of water that has been used over a period of time

“Timed Measurement” allows user to find out how much water was used during a specific period of time



Settings

My Devices Dashboard Utilities **Settings** Preferences Logout

Home Mode

Send warning after minutes of continuous flow.
Shut off water after minutes of continuous flow. Set

Away Mode

Send warning after minutes of continuous flow.
Shut off water after minutes of continuous flow. Set

Temperature Alerts

Close valve if temperature exceeds degrees.
Close valve if temperature drops below degrees. Set

Notifications

Email

- Shutoff Warning
- Emergency Shutoff
- Temperature Alerts

Text Message (SMS)

- Shutoff Warning
- Emergency Shutoff
- Temperature Alerts

Set

Home and Away Mode panels allow user to set limits after which alerts and automatic shut-off are triggered

Temperature alerts panel allow user to set low and high temperature warnings. Temperature extremes could indicate frozen pipes or a fire

Notifications panel allows user to select method by which warnings and alerts are sent



Preferences

My Devices Dashboard Utilities Settings Preferences Logout

Preferences

You are logged in as: dsterling@waterheroinc.com

Name:

Phone:

Water Units

Gallons

Liters

Temperature Units

°F

°C

Save

Indicates e-mail,
name and phone
number for your
account

Enables switching between
imperial and metric units of
measurement for volume
and temperature

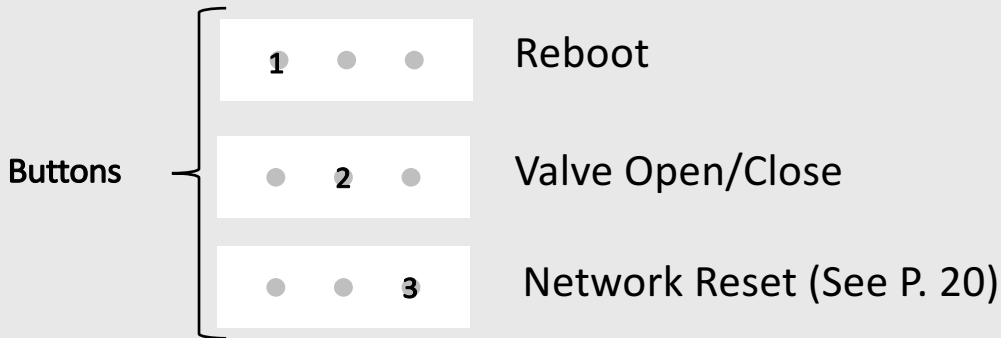
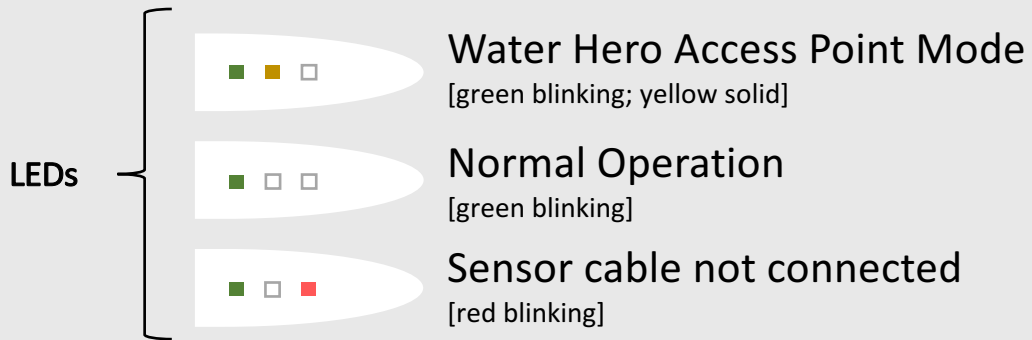
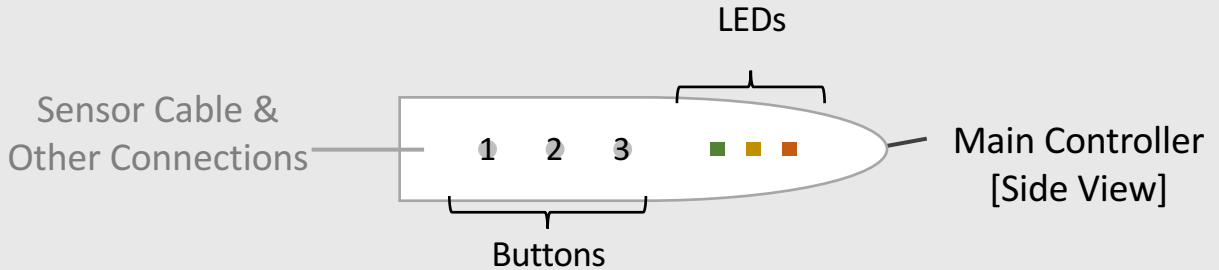


Advanced Setup

P-100



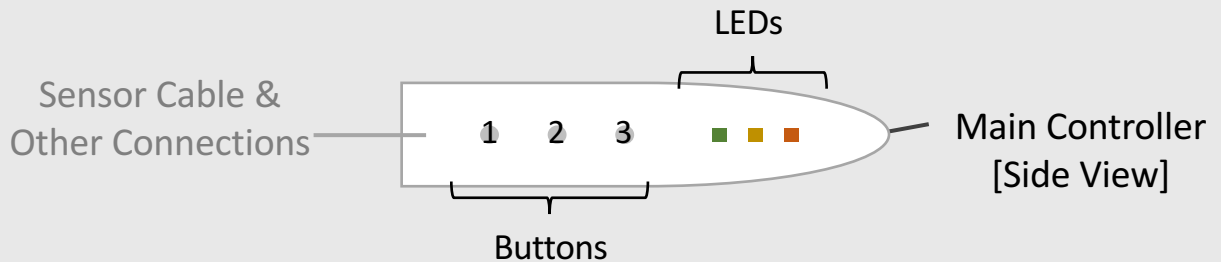
Diagnostics





Network Reset

Perform a network reset to connect the device to a new wireless network or modify e-mail account*



1. Press and release Button 1; all LEDs illuminate
2. While all LEDs are illuminated, press and hold Button 3 until the red LED turns off
3. After approximately 15 seconds, yellow LED will illuminate and the green LED will blink; Water Hero will be in Access Point mode*
4. Follow directions on P. 8 to connect Water Hero to network

*Due to battery back-up unplugging the device will not reset the device

