

Smart Water Wireless 2: Quick Start Guide

Smart Water 2 Controller Technical Specifications

Wi-Fi:



Remote Access - Manage and monitor batch tanks remotely from a smartphone, tablet, or laptop - anytime, everywhere.

Includes Quality Sensorex pH & EC Probes - Accurately measure and record pH and TDS readings throughout the growth cycle.

4-20mA Inputs - Integrate any analog current (4-20mA) sensor. Example: Level sensors.

OTA Updates - Our controllers regularly receive over-the-air (OTA) software updates that add new features and enhance existing ones seemlessly over Wi-Fi.

Alerts - Get email, text, and push notifications for all programmed alerts.

Fanatical Support - Free support from a Growlink specialist (during office hours).

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Smart Water 2 Controller 12 VDC Power Supply pH Probe EC/TDS Probe Mounting Hardware Calibration Solutions (TDS 1413uS, pH 4.01, pH 7.00) Quick Start Guide



Controller Dimensions





1. Download the Growlink app from the Apple App Store, or Google Play Store.





- 2. Open the Growlink app and tap Create Account.
- 3. After creating an account, log into the app.





4. Tap on the 🏟 icon in the top right corner and tap **Connect to Controller.** If this is the first time creating an account, it will automatically prompt to **Set Up A New Controller**.





5. For iPHONE users: When the Connect to Controller Hub window appears, open the Wi-Fi settings and select the SSID of the controller (i.e., Growlink-4YJM7T). Wait for the ✓ to appear, then return to the Growlink app.

For Android Users: Wait for a list of available controllers to populate in the Growlink app, then select the controller matching the SSID printed on the controller.





- 6. From the Set Up Controller Hub window, tap Next.
- Select local Wi-Fi network and enter network password. Then tap Set Access Point.

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<	Back	Set Up Wi-Fi Network	
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•	Pete		
	Room 01		
	SoundBarSe	etup_C599	
		Refresh Networks	
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8. Name controller (i.e., Flower Room Irrigation).





9. After controller registration, tap on Go To Settings.

From the **Controller Profile** page, set the country, time zone, and **Day Start & Day End** (Lights On & Lights Off). Tap **Save** to return to the **Main Dashboard**.





Controller and Sensor Placement



Module Wiring



- 1. 12VDC Power Supply
- 2. 4-20mA Input #1
- 3. 4-20mA Input #2
- 4. PT1000 Temp. wires from EC Probe
- 5. Pulse Flow Meter Input
- 6. pH Probe #1
- 7. pH Probe #2
- 8. EC/TDS Probe
- 9. Bellows Air Tube
 - (Required if utilizing level sensor)

To view the **pH & EC/TDS Calibration** process, please scan the QR Code below.





Controller didn't connect to Wi-Fi:

If unsuccessful in the first attempt to connect the controller to the Wi-Fi network, hold down the Setup button located on the controller (see page 16) for approximately 12-15 seconds until there is a rapid flashing blue light. Once rapid flashing becomes visible, immediately release the Setup button. This will put the controller into **Listening Mode** (Blinking Blue). Now, restart the connection process outlined on page 7.

The Wi-Fi network being used has changed:

In the event the controller needs to re-connect to an existing or new Wi-Fi network, put the controller back into **Listening Mode** (see above) and follow the Controller Connection process outlined on page 7.

pH values are not as expected or do not match with 3rd party measuring device:

Recalibrate pH and EC Probes (see page 16). To ensure accuracy, recalibrate 3rd party measuring device using the same buffer solutions used to calibrate the Smart Water Wireless 2 probes.



Troubleshooting





Controller LED status light color codes

During initial set up of a device and operation, these are the usual LED specifications:

- White Pulse: Start-up.
- Flashing Blue: Listening Mode, waiting for Wi-Fi credentials.
- Flashing Green: Connecting to Wi-Fi network (if flashing green occurs after the controller has been previously connected, this means the connection has been lost, or the network may have gone offline).
- Breathing Green: Connected to Wi-Fi network.
- Blinking Green/Rapid Flashing Cyan: If controller is not reachable from the Growlink app or Portal, this could mean there is a weak/lost connection to the local network. Check connection and/or move Wi-Fi access point closer to controller.
- Flashing Cyan: Connecting to Growlink Device Cloud (connecting to the network, but not necessarily connected to the internet yet).
- High-speed Flashing Cyan: Growlink Device Cloud handshake.
- Breathing Cyan: Connected to Growlink Device Cloud.
- Flashing Magenta: Receiving new firmware update over-the-air (OTA).
- Breathing Magenta: Safe Mode, connected to Particle Device Cloud, but user firmware not running.



Growlink Standard Warranty



End User License Agreement





growlink

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