

Hunter®

 **Hydrawise™ Ready**
IRRIGATION CONTROLLERS

Hydrawise Software/App Owner's Manual



hydrawise.com


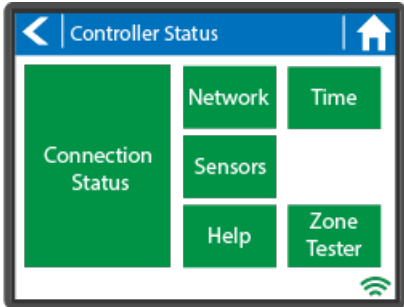
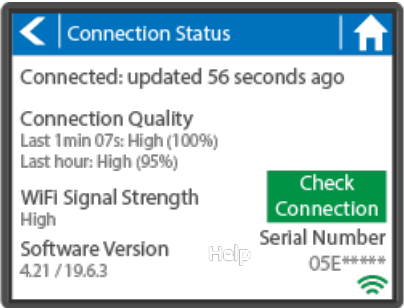
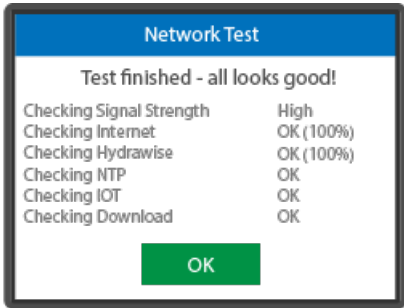
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Check Connection Using Network Test

Performing a network test is a simple process and can be done when in front of the controller. A bandwidth of 2.4 GHz is required for this application. [Learn more](#) ^[1]

Please use the steps below for checking your connection from the controller.

Step 1	Step 2
<div>Select STATUS.</div> <div></div>	<div>Select CONNECTION STATUS.</div> <div></div>
Step 3	Step 4
<div>Select CHECK CONNECTION.</div> <div></div>	<div>Select OK after the test is finished. See failure descriptions below.</div> <div></div>

Failure Code	Screen Suggestion	Recommendation
Enable Wi-Fi	Please enable WiFi.	The controller is in Offline Mode. Home > Settings > Offline Programs and Settings > Enable Wi-Fi
Enter Wireless Params	Enter your wireless settings.	Incomplete password, router name, or security setting.
Move Router Closer	If possible, move the router closer to the controller.	Signal Strength needs to be improved.
Wi-Fi 2.4GHz	Make sure your router supports 2.4GHz bandwidth.	Hydrawise can't find a 2.4GHz Wi-Fi signal.
Add Repeater	Add WiFi Repeater.	Signal Strength needs to be improved with a repeater/extender.
Check DNS	Check with your ISP that DNS is working.	Internet Service Provider or router setting problem.
Check Internet	Check with your ISP that the internet is reliable.	Internet Service Provider or router setting problem.
NTP Fail	Check with your ISP that NTP is open.	Internet Service Provider or router setting problem.
IOT Fail	Check with your ISP that TCP 8883 is open.	Internet Service Provider or router setting problem.
HTTPS Fail	Check with your ISP that HTTPS is allowed.	Internet Service Provider or router setting problem.
ISP Block	Check with your ISP is not blocking you.	Internet Service Provider problem.

Connecting to Your Network

When your controller is first powered on, it will run a short wizard to connect your controller to your wireless router. If you're not using the initial startup wizard, then use the below steps.

IMPORTANT: View the Wi-Fi requirements that apply to your Hunter Hydrowise-ready controller. [Learn More](#) ^[2]

1. From the **HOME** screen, select **SETTINGS**.
2. Select **WIRELESS**.
3. Select **WIRELESS NAME**.
4. Choose your **NETWORK**.
5. Click **CONFIRM**.
6. Enter wireless **PASSWORD**. Click **OK**. New controllers will most likely download new firmware after connection. Following the firmware download will be a controller reboot.

PASSWORD TIPS: Passwords are a minimum of 8 characters and are case-sensitive. For

passwords that require an exclamation mark or capitalization, use the  button.



Zones

Settings

Status



Change Settings



Wireless

Offline Programs &
Settings

Config

Run
Wizard



Wireless Settings



Wireless Name

Security Type
WPA Auto

Password

Network Mode
DHCP Mode

Connection Status
Choose Wireless Network

<

Select Wireless Network

ATT***

Enter Manually

Exit without changes

^

v

Confirm

WPA/WPA2 - Signal Strength High

<

Enter wireless password

q w e r t y u i o p

a s d f g h j k l

• ↑ z x c v b n m < X

?123 , . OK

<

Wireless Settings

Wireless Name

ATT*****

Security Type

WPA Auto

Password

Network Mode

DHCP Mode

Connection Status

Connected updated 1 min 23s ago

WiFi Connect Successful

Configuring the security type

The security type configured on the controller must match the security type configured in your wireless router. The Hydrowise unit can attempt to detect this automatically if you choose **Auto Detect** as the security type.



Hydrawise supports the following security types –

- Auto-Detect
- Open
- WPA2
- WPA Personal
- WPA Auto

Wireless Connection Status Messages

The controller will show different status messages while connecting to your wireless router.

Status	Description
Looking for Wireless...	The controller is currently scanning for local wireless networks.
Connecting to...	The controller is currently trying to connect to your wireless router.
Waiting for IP	The controller is connected to your wireless router and waiting for it to give it an IP address. Your wireless router must be configured as a DHCP server.
Connected	All is good. The controller has successfully connected to your wireless router.
Local Connection Only	The controller acts as a local wireless router.

Troubleshooting Wireless Connecting Issue

Hydrawise Ready Controllers: Wi-Fi Troubleshooting

Upon successful connection the wireless status will show Connected. If your controller fails to connect to your wireless router check the following –After entering your wireless settings the controller will connect to your access point. The connection process takes about 30 seconds.

- Your password is entered correctly. It is case sensitive and must be at least 8 characters long.
- Check that the wireless security types match between the controller and your wireless router. Hydrowise recommends use of WPA2 security between the controller and your wireless router.

Apps and Videos to Help Determine Wi-Fi Strength

A reliable Wi-Fi connection is necessary to operate Hunter Wi-Fi enabled products. The following apps can help you test Wi-Fi signal strength at your location.

Phone	App Download

iPhone® Devices: Using Airport Utility App



[3]

Android™ Devices: Using WiFi Analyzer App



[4]

The Hunter videos listed below are the best source of knowledge for Hunter Wi-Fi enabled products, including Hydrowise irrigation management controllers, Centralus [5] irrigation management controllers, and Luxor [6] lighting management controllers.

Wi-Fi Fundamentals: What You Need to Know to Look Like a Pro

This training video covers the basics of Wi-Fi management.

- 1:22 [7]: Introduction
- 6:26 [7]: Overview of Presentation
- 8:49 [7]: The Language of Wi-Fi
- 12:29 [7]: Wi-Fi Equipment
- 17:54 [7]: Routers
- 34:12 [7]: Wi-Fi Signal Strength
- 37:38 [7]: Tools for the Job
- 46:22 [7]: Wi-Fi Signal Enhancers (Boosters)
- 51:50 [7]: Review
- 54:43 [7]: Questions

Hydrawise Insights from the Field

This video covers advanced topics, including Wi-Fi testing, routers, and boosters.

- [2:29](#) ^[8]: Agenda
- [3:43](#) ^[8]: Network Components
- [3:58](#) ^[8]: Troubleshooting Tools
- [4:50](#) ^[8]: Hardware Test
- [7:57](#) ^[8]: WLAN Test
- [12:00](#) ^[8]: Network Security Requirements
- [14:50](#) ^[8]: MAC Address
- [19:06](#) ^[8]: IP Address
- [21:59](#) ^[8]: Wi-Fi Hotspots
- [34:17](#) ^[8]: Q&A

iPhone is a trademark of Apple Inc., registered in the U.S. and other countries. Android is a trademark of Google LLC.

Using Mobile Hotspot with Controller

If you have no internet access or poor internet access, you can use your smartphone as a hotspot (temporary wifi connection) to do either of the following:

- Testing controller
- Programming controller with no WiFi (e.g; new construction)

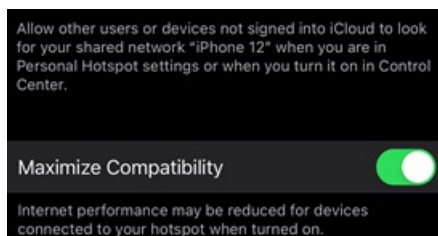
Depending on your smartphone model, please select a guide to activate your hotspot:

Apple hotspot ^[9]

Android hotspot ^[10]

Once you activate your hotspot, connect the controller to verify the Wi-Fi on the controller is working properly. You can do this by following the steps [here](#) ^[11]. If using an X2 Controller with a WAND device, follow the steps for [SAP connection](#) ^[12].

iPhone12 Note: The Personal Hotspot enables **5GHz** Wi-Fi by default on all iPhone 12 models. In the Settings > Personal Hotspot menu on this device, there is a new **MAXIMIZE COMPATIBILITY** toggle that will enable **2.4GHz** Wi-Fi that is needed for all Hydrowise Controlllers.



Testing controller

Using a hotspot is a great way to make sure your controller is working properly and has the latest firmware. The hotspot will allow for a high signal strength making sure the controller downloads the firmware needed to have a stable connection. For information on checking firmware, please visit the section [here](#) ^[13].

Hydrawise Controller Firmware

HC 6: (C05 Serial #)	2.05
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HC 12: (C05 Serial #)	1.89
HC 6: (05 Serial #)	4.31
HC 12: (05 Serial #)	4.31
PRO-HC	4.45
HPC	4.39
HCC	4.54
X2	1.07
WAND	7.04

Programming controller with Hotspot (e.g; new construction)

In some cases, it may not be convenient to program the controller using the offline mode feature (programming using the controller screen). The following steps **must** be taken if programming the controller through the app with a hotspot.

1. Create Hotspot with Smartphone: Depending on your smartphone, please use either guide below:
 - **Apple hotspot** ^[9]
 - **Android hotspot** ^[10]
2. Once you activate your hotspot, connect the controller to verify the Wi-Fi on the controller is working properly.
3. Make all your programming changes in the Hydrowise App.
4. Disable WIFI completely. *Settings > Offline Settings > Disable Wifi*.
5. Remove hotspot and programming will remain in the controller.

(Australian Region Only): The hotspot provided by Telstra 4GX dongle is compatible with Hydrowise controllers in this region. These models are manufactured by Huawei. See the chart below for supported versions.

Brand Name	Model:	Supported/Not Supported
Telstra 4GX Wi-Fi	MF910Z	Supported
Telstra 4GX Broadband USB & Wi-Fi Plus	E8372	Supported
Telstra Wi-Fi Pro Modem	MF910	Not Supported

