Hunter®

Hydrawise™ Ready
IRRIGATION CONTROLLERS

Hydrawise Software/App Owner's Manual

hydrawise.com

Table of Contents

2

Hydrawise Controller Wi-Fi Specifications

Your Hydrawise controller can connect to the internet via your Wi-Fi router and is then available for you to use through your smart devices (phone, tablet) and your computer. The following Wi-Fi requirements apply to your Hunter Hydrawise-ready controller.

Here are some tips to ensure optimal controller functionality:

Wi-Fi Checklist:	
Network Types	**HC** controller is 802.11 B/G **WAND** controller is 802.11 B/G/N **Pro-HC** controller is 802.11 B/G/N **HPC** controller is 802.11 B/G/N **HCC** controller is 802.11 B/G/N
Bandwidth	2.4 GHz only (Not compatible with 5 GHz)
Router Channel	Set between 1-11
Supported Security Protocols:	**WAND/HCC/Pro-HC/HPC/HC** - WPA/WPA2 Personal and Enterprise, TLS, SSL **HC** - (with serial number C0) WPA/WPA2 Personal.
Guest Networks/Networks with portal page login	Not compatible
Mac Address (If Needed)	Visit the support page here [1]
Outbound Ports	- Secure MQTT (TCP Port 8883) - HTTPS (TCP Port 443) - NTP (UDP Port 123) - DNS (TCP and DNS Port 53)
Inbound Ports	None

DNS Domain Names	Our DNS servers are multiple dependent upon the controller model and version number.
	- Iot.hydrawise.com - poll.hydrawise.com *.pool.ntp.org - pool.ntp.org

NOTE: The network must not contain enterprise access points that have been configured to require certificates or other forms of enterprise authentication.

Note (Australian Region Only): The hotspot provided by Telstra 4GX dongle is compatible with Hydrawise 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

Additional Information

The network must not contain enterprise access points that have been configured to require certificates or other forms of enterprise authentication. Hydrawise-ready controllers cannot connect to guest networks or networks that use a portal page to log in.

Hydrawise controllers only connect to the Wi-Fi network to gain internet access to Hydrawise cloud-based servers held within AWS (Amazon Web Service) cloud-based systems. If you connect the controllers via MAC address, use the manual method. Do this by entering the prefix 001e followed by the controller serial number for the HC (e.g., 001e05fb90ce) and entering the f8f0 followed by the controller serial number for HCC/HPC/PRO-HC/WAND (e.g., f8f005fb90ce).

The Hydrawise system allows for remote controller programming via smartphones, tablets, and internet-connected computers. All functions of the Hydrawise system can be performed from these devices.

- Internet-connected computers and laptops connect to the local network through the internet and to the Hydrawise cloud via a web login at hydrawise.com [2]. This web link

provides a unique login and secure password access to the Hydrawise system located on the AWS servers.

- Smartphones and tablets require the use of an app that provides a secure connection to the Hydrawise system on the AWS servers. Hydrawise provides iOS and Android apps.

Data Usage Per Month

The speed is determined by the internet not the device. The amount of **data** ranges from 100 Mb to a maximum of 500 Mb per month and is device dependent upon number of stations, start times, etc.

Web And App Security Statement

All Hunter Internet-connected devices, including Hydrawise™-enabled irrigation controllers, maintain the highest standards for security.

Web and App Security

Hunter follows industry best practices for security:

- All information exchanged between your controller and the Hydrawise service is encrypted, and no user identifiable information is transmitted between the controller and the Hydrawise service.
- We support industry standard protocols to secure your Wi-Fi connection. We strongly recommend that you use WPA2 to secure your Wi-Fi connection.
- All information exchanged between your web browser or app and the Hydrawise

service is encrypted.

- When accessed remotely through our service, the Hydrawise system can only see your controller. It cannot view or access any other devices on your home network.
- No information about your home network (e.g., wireless name or passwords) is transmitted to the Hydrawise service. Your wireless password is hidden on the controller touch screen as soon as your controller connects to the Hydrawise service.
- We do not use port forwarding or require any router ports to be opened.

To help maintain a secure system, Hunter:

- Continually upgrades all controller firmware and software.
- Employs both internal and external system auditing.
- Consults with independent security companies to ensure we are following best practices.
- Performs full code penetration testing.