

# 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](#) [1]

[Android hotspot](#) [2]

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](#) [3]. If using an X2 Controller with a WAND device, follow the steps for [SAP connection](#) [4].

**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.

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## 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](#) [5].

## Hydrawise Controller Firmware

HC 6: (C05 Serial #)	2.05
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](#) [1]
  - [Android hotspot](#) [2]
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
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Telstra 4GX Wi-Fi	MF910Z	Supported
Telstra 4GX Broadband USB & Wi-Fi Plus	E8372	Supported
Telstra Wi-Fi Pro Modem	MF910	Not Supported