

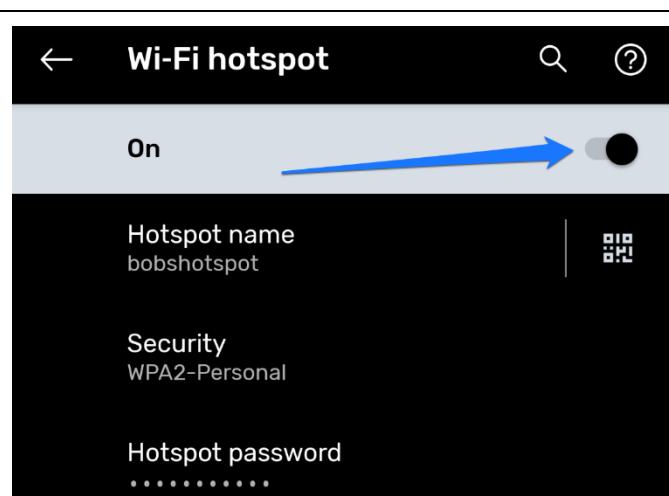
PNWSpot Android Wifi Hotspot User Guide



Start off with your PNWSpot unplugged.



On your phone, head to **Settings > Network and Internet > Hotspot and Tethering > Wi-Fi hotspot** and update the “Hotspot name” and “Hotspot password” to match the Wi-Fi network SSID and password you provided when purchasing the PNWSpot.



To turn on your iPhone's hotspot, click the toggle at the top of the Wi-Fi hotspot page

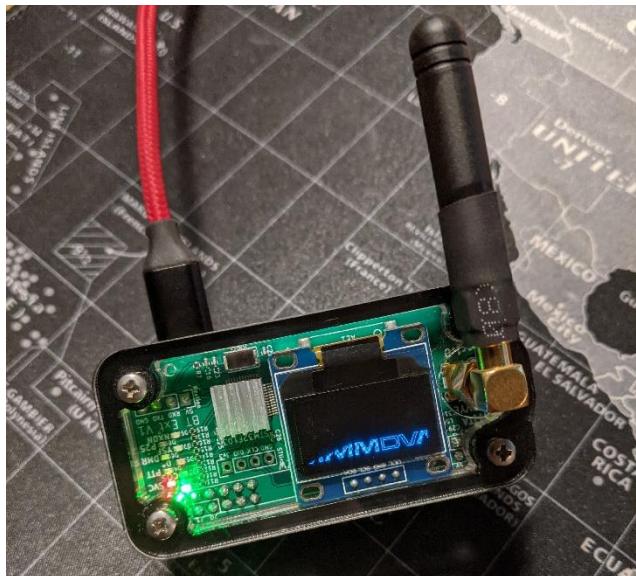
Please note, that after some time, the hotspot may go “idle”. If you leave the hotspot disconnected for any length of time, please turn it off and on again before attempting to connect your PNWSpot.

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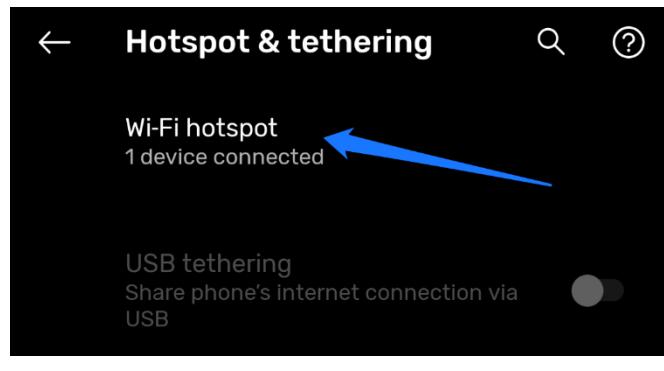
Now that the hotspot on your iPhone is configured and turned on, you can plug your hotspot in.

Initially, the screen will be blank, and the red SVC light will be blinking slowly



After approximately 1 minute (often less), the SVC light will begin flashing rapidly and “MMDVM” will start scrolling on your screen.

At this point, your PNWSpot should be connected to your iPhone’s Wi-Fi hotspot.

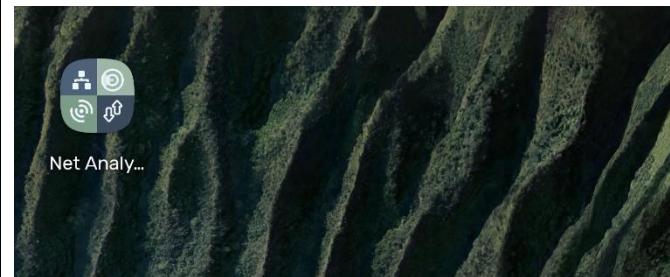


You can verify that your PNWSpot is in fact connected to the Phone’s Wi-Fi hotspot in two ways: Via the Wi-Fi hotspot settings and via an app.

First, head back to **Settings > Network and Internet > Hotspot and Tethering**.

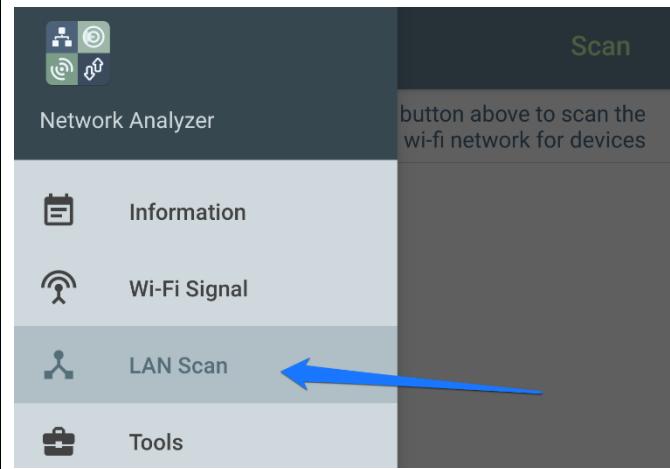
Here you will see a number of connected devices below the Wi-Fi hotspot page’s link.

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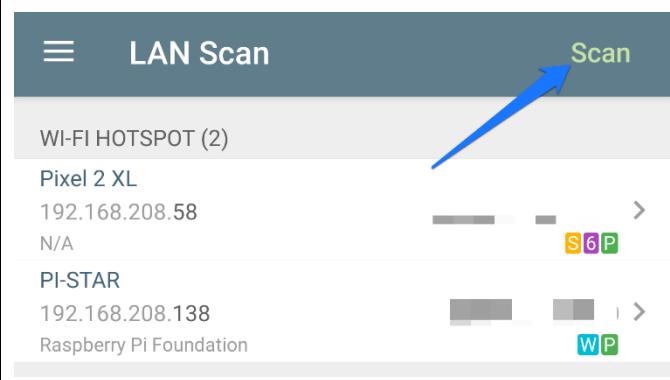


The second method is scanning for devices.

Download and open the **Network Analyzer** app.

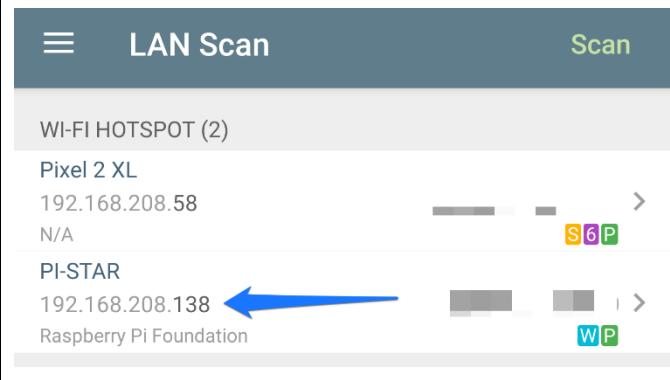


In the app, select **LAN Scan** in the side menu.



After selecting LAN, hit **Scan** up top.

This will display all devices (including the phone itself) connected to the phone's Wi-Fi hotspot.



You will see one that says PI-STAR

Please take note of the IP address. This may be needed to access your PNWSpot's dashboard.

This IP address may change every time you restart the phone's Wi-Fi hotspot.

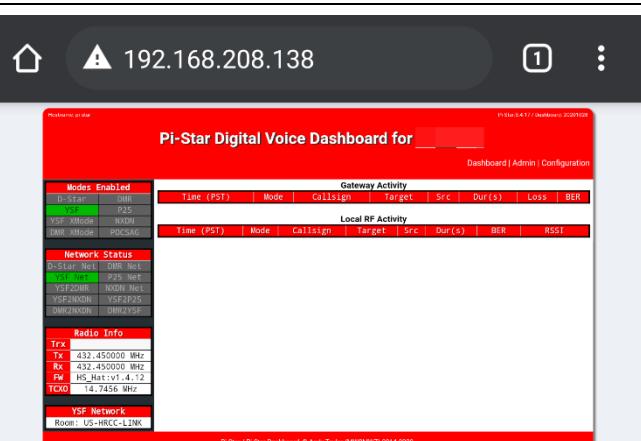
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Please Note:

If at this time, your PNWSpot took longer than 2-3 minutes to switch to rapidly blinking SVC and scrolling MMDVM,
AND

You are unable to see that it is connected using the Network Analyzer app,
it may not have connected to your phone's Wi-Fi hotspot.

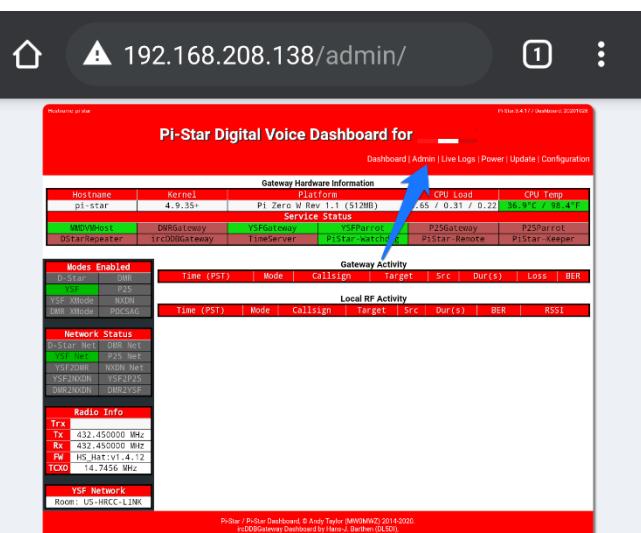
If this is the case, please refer to the **PNWSpot Wi-Fi Troubleshooting Guide** to learn how to check and configure your PNWSpot's Wi-Fi settings when it is unable to connect to your phone's Wi-Fi hotspot



Now that we have verified that the PNWSpot is connected to the phone's Wi-Fi hotspot, we can open the dashboard.

Open Chrome and enter
<http://192.168.208.138> (replace IP with yours)

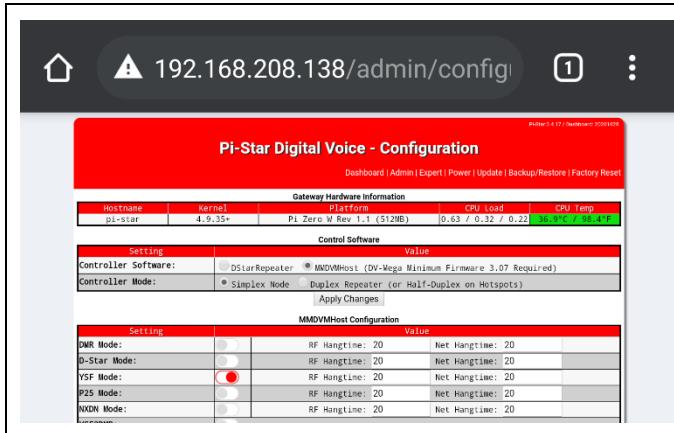
The Dashboard will display who is talking locally and via the network.



If you click "Admin" this will display additional information about the status of your PNWSpot.

If prompted, login using:
Username: pi-star
Password: raspberry

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The screenshot shows the Pi-Star Digital Voice - Configuration interface. At the top, it displays 'Gateway Hardware Information' with details like Hostname: pi-star, Kernel: 4.9.35+, and CPU Load: 0.63 / 0.32 / 0.22. Below this is a 'Control Software' section with 'Controller Software' set to 'DS18Repeater' (selected) and 'MMOVHost' (DV-Vega Minimum Firmware 3.07 Required). Under 'Controller Mode', 'Simplex Node' is selected. There is a 'Apply Changes' button. At the bottom is a 'MMOVHost Configuration' section with tables for DMR, D-Star, YSF, P25, and NXDN modes, each with 'RF Hangtime: 20' and 'Net Hangtime: 20' settings.

If you click “Configuration” this will allow you to adjust all of your PNWSpot’s settings.

If prompted, login using:

Username: pi-star

Password: raspberry

Android phone Wi-Fi Hotspot troubleshooting tips:

1. If the Wi-Fi hotspot on your Phone has been idle for some time, please turn it off and on again before connecting the PNWSpot.
2. Wi-Fi hotspots on phones are not designed to run 24/7. If the hotspot does not sense activity or usage, it is not uncommon to shut off or go idle. If this happens, the PNWSpot may be disconnected, and need to be re-connected. (Toggle your phone’s W-Fi hotspot off and back on, and then re-boot the PNWSpot by removing and re-applying power).
3. Refer to the **PNWSpot Wi-Fi Configuration and Troubleshooting Guide** if your PNWSpot will not connect to your phone’s Wi-Fi network despite following the procedures above. This guide will advise you on how to check and update your PNWSpot’s Wi-Fi configuration.
4. If you have updated the SSID and password of your phone’s Wi-Fi hotspot and also on your PNWSpot and are now having problems, you may need to ensure your phone’s Wi-Fi hotspot SSID and password is simple, without spaces or special characters.

Guide last updated 11/17/2020