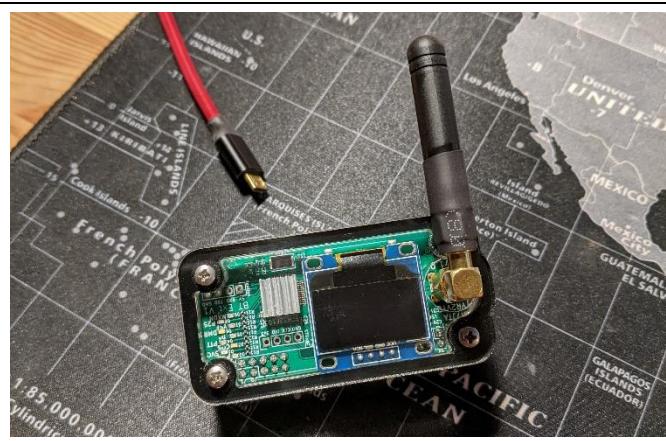


PNWSpot Wi-Fi Configuration and Troubleshooting Guide

This guide will guide you in configuring the Wi-Fi settings on your PNWSpot.

If it is unable to connect to the desired Wi-Fi network, you are travelling to a new place, or your Wi-Fi details changed, this will walk you through the steps to adjust your Wi-Fi configuration even when the PNWSpot is failing to connect.

It is HIGHLY recommended that this process be done using a laptop or desktop computer that can connect to Wi-Fi networks. This can be done via a mobile phone; however it tends to be easier with the full interface of a PC.



Start off with your PNWSpot unplugged.



Plug your hotspot in.

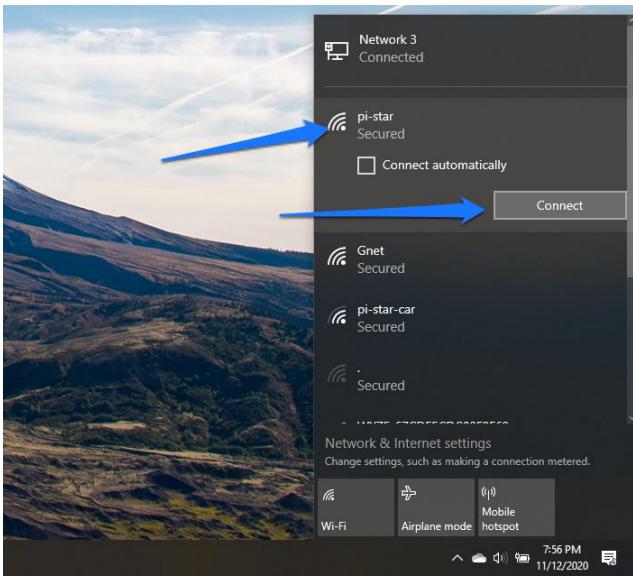
Initially, the screen will be blank, and the red SVC light will be blinking slowly

PNWSpot Wi-Fi Configuration and Troubleshooting Guide



After approximately 3 minutes, the SVC light will begin flashing rapidly and “MMDVM” will start scrolling on your screen.

At this point, your PNWSpot will have entered Auto AP (Automatic Access Point) mode and created its own Wi-Fi Network.



On your Phone or Computer, open your Wi-Fi settings and connect to the Pi-Star Wi-Fi network.

If prompted, the password will be “raspberry”.

Please Note:

I have found that some computers and phones will not stay connected to the Pi-Star network. This happens either due to a period of inactivity, or, (as most commonly found on phones), the device will find there is no internet available and re-connect to another network.

Due to this, you may have to disable your other internet sources (cellular network, ethernet cable, etc) and “forget” wifi networks so your device does not disconnect from the Pi-Star network.

If you do find that it disconnects anyway, simply just re-connect and continue the configuration.

PNWSpot Wi-Fi Configuration and Troubleshooting Guide

Once connected, open your browser and head to:
<http://pi-star> OR <http://pi-star.local>

This will open the PNWSpot's dashboard

Click "Configuration" to open the configuration page.

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

On the configuration page, scroll to the **Wireless Configuration** section near the bottom.

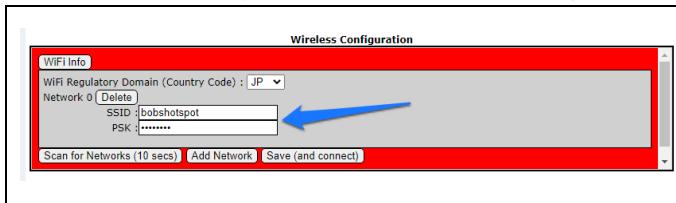
Information provided by ifconfig and iwconfig

Click **Configure WiFi**.

Information provided by ifconfig and iwconfig

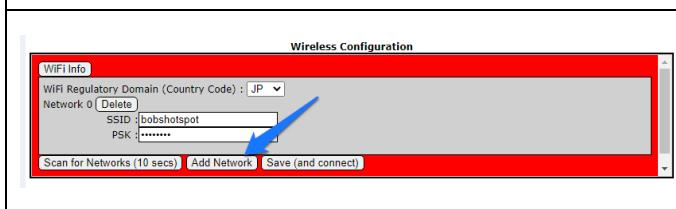
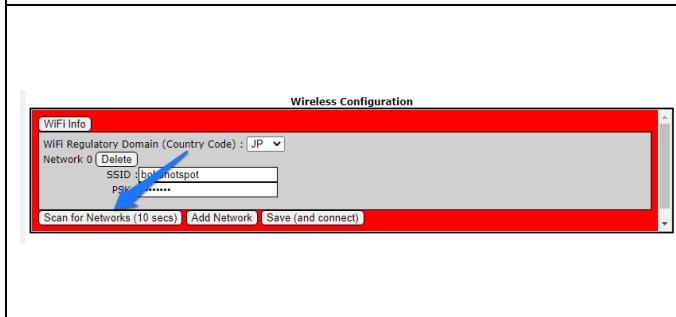
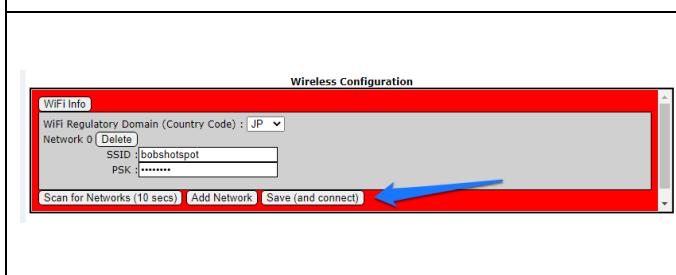
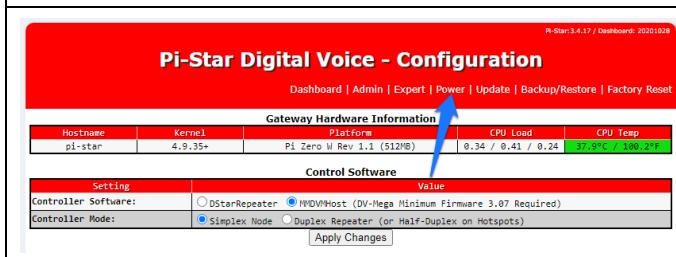
Select your **Country Code**.

PNWSpot Wi-Fi Configuration and Troubleshooting Guide

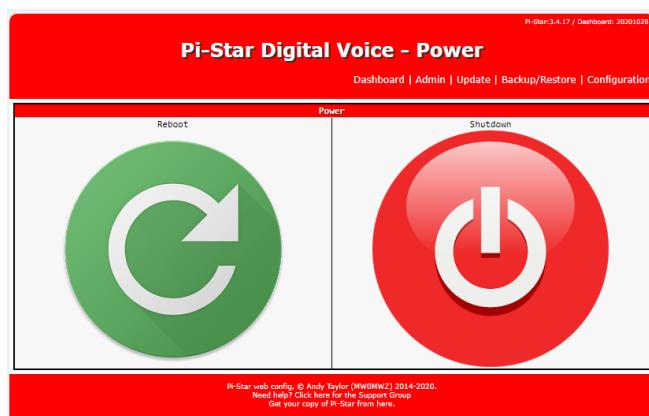
	<p>Re-enter your Wi-Fi network's SSID and Password (PSK). Ensure you are entering the details exactly.</p> <p>This is where you will enter your home Wi-Fi details, or, your mobile phone Wi-Fi hotspot's details.</p>
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Please Note:

If you encounter any issues despite ensuring the details match on your Wi-Fi network and your PNWSpot, you may want to use simple Wi-Fi SSIDs and passwords that do not contain spaces or special characters. It has been reported that some devices, such as a Raspberry Pi (that the PNWSpot uses) may have issues connecting to networks with non-alphanumeric SSIDs or passwords.

	<p>If desired, you can also enter another Wi-Fi network's details by clicking Add Network.</p> <p>For example, you can enter your home's Wi-Fi details, and a mobile phone's Wi-Fi hotspot details</p>
	<p>You do also have the option to scan for local Wi-Fi networks. This works if your desired Wi-Fi network is up and running constantly, like a home network.</p> <p>If you use this scan to connect to your phone's Wi-Fi hotspot, you must be connected to your PNWSpot using a separate device from your phone, and your phone must have the hotspot feature turned on.</p>
	<p>Once the details are entered, click "Save (and connect)"</p> <p>Wait for about 5-10 seconds, and the hotspot will refresh the page.</p> <p>This does not actually save and connect; you must now restart the hotspot.</p>
	<p>At the top of the configuration page, click Power</p>

PNWSpot Wi-Fi Configuration and Troubleshooting Guide



Select **reboot**.

At this time, the hotspot will reboot and attempt to connect to the Wi-Fi network for which you entered details.

If you entered details for an always-on home network:

You can now re-connect your phone or computer back to your home network (if you had disconnected to connect to the PNWSpot's Auto AP network). The PNWSpot will be connecting to your home's Wi-Fi network as it restarts, and you will be able to access it over that network.

If you entered details for a mobile phone's Wi-Fi hotspot, you will need to:

1. Enable that phone's Wi-Fi hotspot.
2. Wait for the PNWSpot's SVC light to blink rapidly and "MMDVM" to start scrolling.
3. Restart the PNWSpot again (unplug and plug back in).

This will allow the PNWSpot to properly find your phone's Wi-Fi hotspot when it starts. Otherwise it will not find it and revert to Auto-AP mode.

Guide Last Updated 11/17/2020