



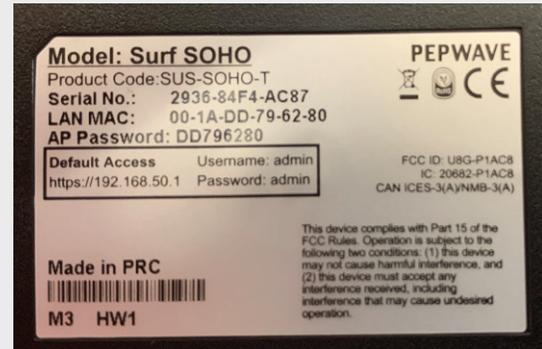
Setting up your Pepwave Surf SOHO for Wireless Internet

A Step by Step Guide



1

With your cell phone take a picture of the label on the bottom of the Pepwave Surf SOHO. You'll need this information during the setup process.

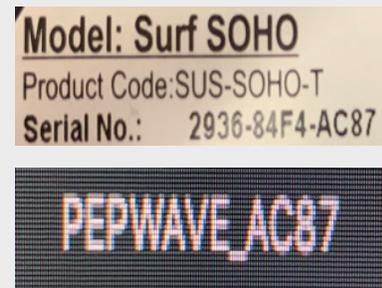


2

Place the Pepwave Surf SOHO in an obstruction free area of your boat, preferably near a window within sightline of the nearest WiFi antenna. Plug the Pepwave Surf SOHO into the nearest outlet. When it is completely powered up the "Status" and "WiFi" indicators on the front will be solid green.

3

Turn on your computer and go to the list of available wireless signals. Select the wireless signal called PEPWAVE_****. The **** represent the last four characters of the serial number on the label of the Pepwave Surf SOHO. Knowing the last four characters of the serial number will ensure you are attaching to your Pepwave Surf SOHO and not someone else's.



4

When you connect to the Pepwave Surf SOHO, it will prompt you to put in a password. Refer to your picture of the label and enter the "AP Password" exactly as it appears. An example is featured to the right..

AP Password: DD796280

5

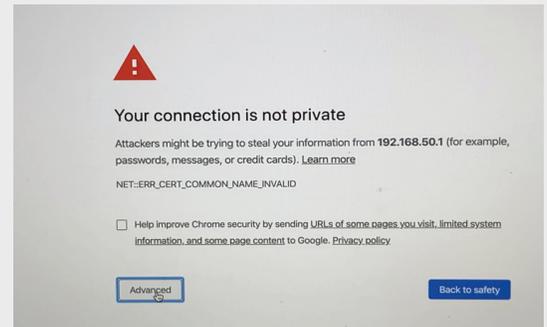
After connecting to the Pepwave Surf SOHO it may say "Secured, No internet", "Connected, no internet", or "Connected, secured". You are connected to the router and not to the internet yet. The next steps will consist of configuring the Pepwave Surf SOHO to establish a "Wireless Connection" to the wireless antennas on the docks.

6 Open up a browser. Google Chrome is recommended and is the browser that will be illustrated throughout the rest of the steps.

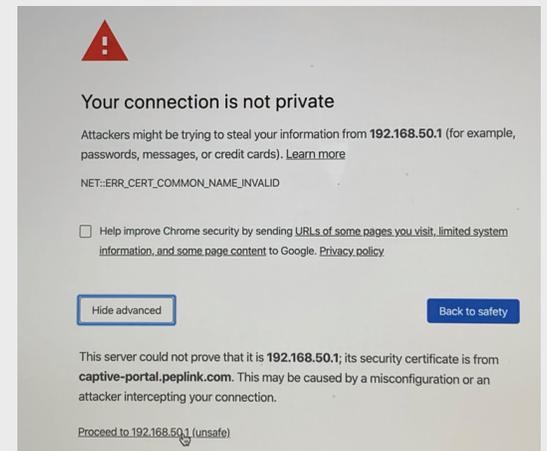
7 In the address bar at the top of the webpage type the following "IP Address" <http://192.168.50.1> and hit Enter.



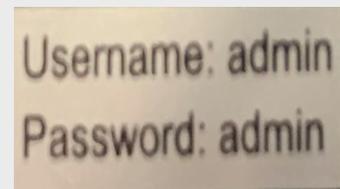
8 You should now see a warning page as pictured to the right.. Click on the "Advanced" tab.



9 Click on "Proceed to 192.168.50.1 (unsafe)"

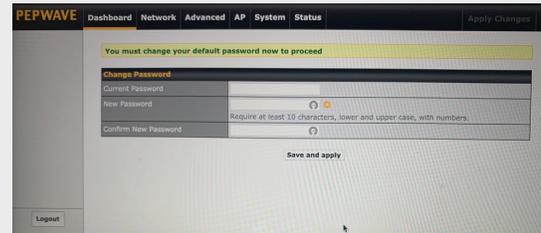


10 You should now be at the Main Login Page of the Pepwave Surf SOHO. Refer to the picture of the label again and type in the Default Access Username and Password



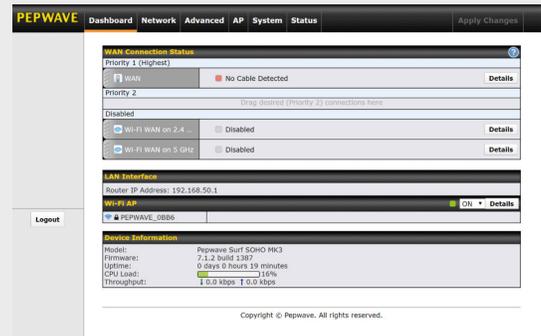
11

If you are prompted to change the current password, “admin”, please use a password that you’ll easily remember and store it for use later. You’ll need it to log back into the router to make changes and troubleshoot any issues. Click on “Save and Apply” once you have entered your new password.



12

Now we will setup the “Wireless WAN Connection” for your Pepwave Surf SOHO to connect to the nearest onSpot5G antenna and establish a connection to the internet. You should still be on the “Dashboard”. Your screen should reflect the screenshot to the right:



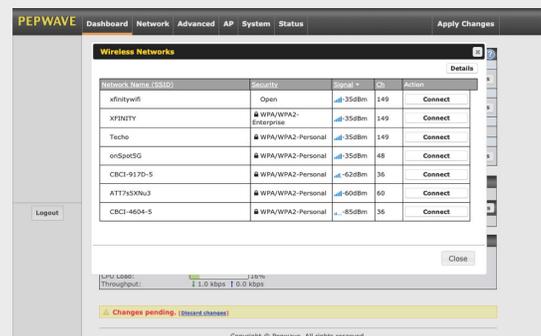
13

Left click on the grey dots to the left of “Wi-Fi WAN on 5GHz” and hold and drag this up to the “Priority 1” (Highest) section under the “WAN Connection Status”. “WAN” will automatically move to “Priority 2”. Select “Wireless Networks”.



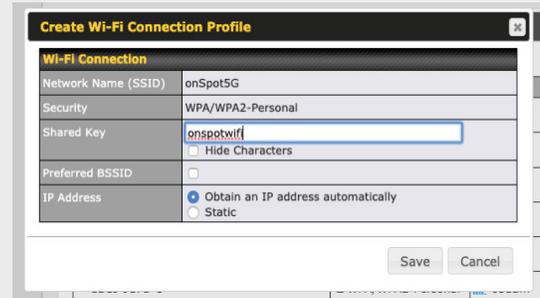
14

A window will open displaying all the available “Wireless Networks”. Click on “Signal” in the grey heading bar to sort the wireless signals from strongest to weakest. The lower the dBm number, the stronger the signal. Select the onSpot5G antenna number with the lowest “dBm signal” and click “Connect”.



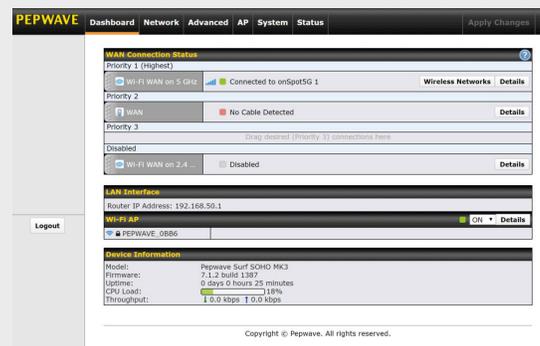
15

A “Create Wi-Fi Connection Profile” window will open. Type in the “Shared Key” field the onSpot wifi password “onspotwifi” (all lowercase) or the password that was provided to you by the marina staff. Then click “Save”.



16

This takes you to the previous page. Click on “Close”. You now are back to the “Dashboard” page. It may take a few minutes to connect to the antenna, but you should see the “Wireless Connection Status” display “Connected to onSpot5G #”.



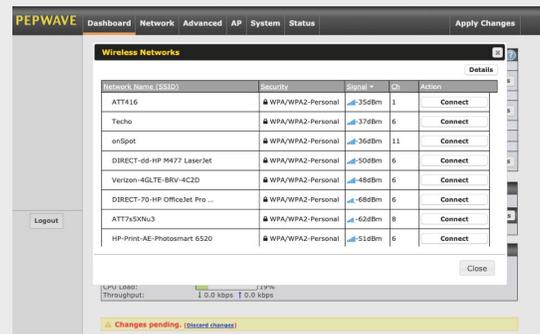
17

Now we will setup the “Wi-Fi WAN on 2.4GHz” as “Priority 2”. Left click on the grey dots to the left of “Wi-Fi WAN on 2.4GHz” and hold and drag this up to the “Priority 2” section under the “WAN Connection Status”. You can then drag “WAN” down to “Disabled” if it doesn’t move there automatically. Your screen should look like the example to the right:



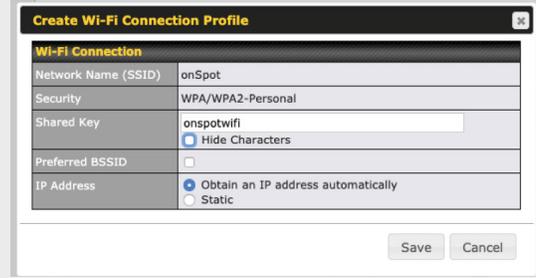
18

Click on “Wireless Networks” for “Wi-Fi WAN on 2.4GHz”. A window will open displaying all the available “Wireless Networks”. Click on “Signal” in the grey heading bar to sort the wireless signals from strongest to weakest. The lower the dBm number, the stronger the signal. Select the onSpot antenna number with the lowest “dBm signal” and click “Connect”. This prompts you to the next window.



19

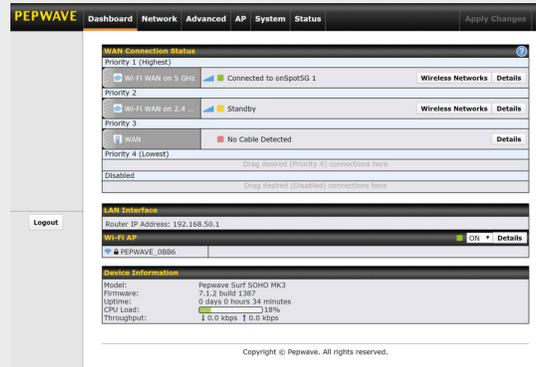
A "Create Wi-Fi Connection Profile" window will open. Type in the "Shared Key" field the onSpot wifi password "onspotwifi" (all lowercase) or the password that was provided to you by the marina staff. Then click "Save".



Wi-Fi Connection	
Network Name (SSID)	onSpot
Security	WPA/WPA2-Personal
Shared Key	onspotwifi
Preferred BSSID	<input type="checkbox"/>
IP Address	<input checked="" type="radio"/> Obtain an IP address automatically <input type="radio"/> Static

20

This takes you to the previous page. Click on "Close". You now are back to the "Dashboard" page. It may take a few minutes to connect to the antenna, but you should see the "Wireless Connection Status" display "Connected to onSpot #" and then it will change to "Standby".



PEPWAVE Dashboard Network Advanced AP System Status

WAN Connection Status

Priority	Status	Details
Priority 1 (Highest)	Connected to onSpot5G 1	Wireless Networks
Priority 2	Standby	Wireless Networks
Priority 3	No Cable Detected	Details
Priority 4 (Lowest)	Disabled	Details

LAN Interface

Router IP Address: 192.168.50.1

Wi-Fi AP

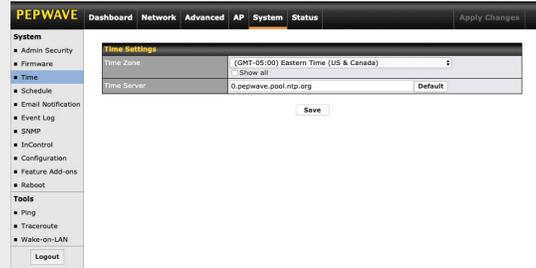
PEPWAVE_0886

Device Information

Model: Pepwave Surf SOHO MK3
 Firmware: 7.1.2 build 1897
 Uptime: 0 days 0 hours 34 minutes
 CPU Load: 18%
 Throughput: 1 0.0 kbps 1 0.0 kbps

21

From here select the "System" Tab from the navigation menu at the top of the page and then select "Time" from the column on the left. Change the "Time Zone" to "Eastern Time (US & Canada)" and "Save".



PEPWAVE Dashboard Network Advanced AP System Status

System

- Admin Security
- Firmware
- Time**
- Schedule
- Email Notification
- Event Log
- SNMP
- InControl
- Configuration
- Feature Add-ons
- Reboot

Tools

- Ping
- Traceroute
- Wake-on-LAN

Logout

Time Settings

Time Zone	(GMT-05:00) Eastern Time (US & Canada)
Time Server	0.pepwave.pool.ntp.org

Save

22

We will now setup the Pepwave Surf Soho 2.4GHz and 5GHz antennas to which your electronic devices (laptop, cell phone, tv, etc ...) will attach. Select the "AP" Tab from the navigation menu at the top of the page. Click on "PEPWAVE_****" in the SSID column. We are going to first create the 2.4GHz signal that will be seen by your devices.



PEPWAVE Dashboard Network Advanced AP System Status

AP

- Wireless SSID**
- Settings

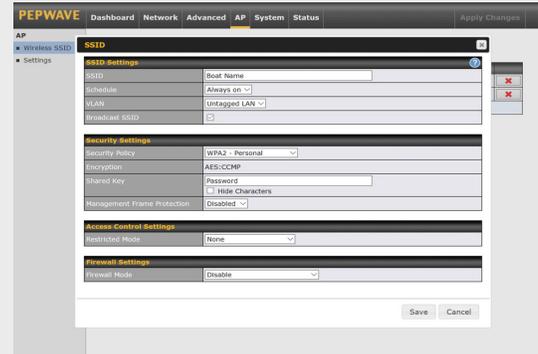
InControl management enabled. Settings can now be configured on InControl.

SSID	Security Policy	MAC Address (BSSID)
PEPWAVE_0886	WPA/WPA2 - Personal	00:1A:DD:79:62:88

Add

23

A new "SSID" window will open. Under "SSID Settings" change "PEPWAVE_****" to your "Boat Name" or whatever you would like to use as the name of your signal. Under "Security Settings" change the Security Policy to "WPA2 - Personal" using the drop down menu. "Shared Key" is where you create a password that you or other users will use when they connect to your wireless router. We suggest using your 10 digit phone number as the password. All other settings remain as is. Select "Save" when finished.



24

You now see "Boat Name" is present under SSID as in the example to the right. Click on the "Add" button underneath the newly created SSID. We are now going to create the 5GHz signal that will be seen by your devices.



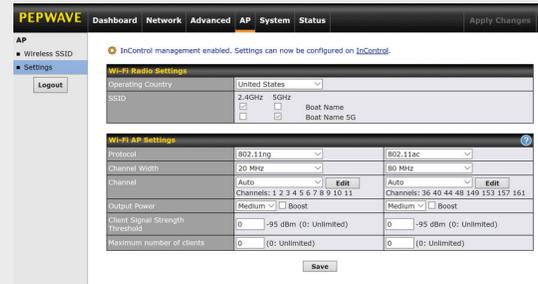
25

Under "SSID Settings" enter the same "SSID" as previously created for the 2.4GHz and add "5G" after it. Under "Security Settings" change the Security Policy to "WPA2 - Personal" using the drop down menu. "Shared Key" is where you create a password that you or other users will use when they connect to your wireless router. Use the same password that you used for creating the 2.4GHZ signal. All other settings remain as is. Select "Save" when finished. You should now see both SSIDs as shown to the right.



26

Staying on the AP Tab, click on “Settings” in the left column. This is where you separate the 5GHz signal from the 2.4GHz signal and adjust output power of your access points. Under “Wi-Fi Radio Settings”, uncheck the 5GHz box from “Boat Name” and uncheck the 2.4GHz box from “Boat Name 5G”. Under “Wi-Fi AP Settings” for 802.11ng (2.4GHz), change the “Output Power” to “Medium”. Under 802.11ac change the “Output Power” to Medium. Click on “Save” when done.



27

Click “Apply Changes” at the top right. The Pepwave Surf SOHO is going to reboot. Turn Wi-Fi off on your laptop, wait 10 - 15 seconds, and turn Wi-Fi back on. After the reboot (about 1 – 2 minutes), look for the SSIDs that you have created (“Boat Name” and “Boat Name 5G”) and attach your laptop and other devices to that signal. (Use the 5G for any device that can see it).

Voilà!

Enjoy faster, more convenient onSpot wifi performance.

If you're still having problems - give us a call - we'll be happy to help:

954-990-0192