

Hi! This document is rough, I am fairly sure it's accurate. I hope it works for you. IF you have questions, you can email me. (Bottom of the document).

Start by connecting a cable to the TP-Link Router to your laptop. Turn off all Wi-Fi connections and allow your PC to get an IP address from the TP-Link. Make sure the switch on the side is set to WISP.

Determine the TP-Link address and browse to that page.

The screenshot shows a mobile browser interface for the TP-Link MR3040 router. The address bar shows the IP address 172.18.0.1:8080. The page title is "TP-LINK Portable Battery Powered 3G/4G Wireless N Router Model No. TL-MR3040". The left sidebar contains a navigation menu with the following items: Status, Quick Setup, WPS, Network, Wireless, DHCP, Forwarding, Security, Parental Control, Access Control, Advanced Routing, Bandwidth Control, IP & MAC Binding, Dynamic DNS, and System Tools. The main content area is titled "Status" and displays the following information:

Status	
Firmware Version:	3.17.1 Build 131121 Ref.62425n
Hardware Version:	MR3040 v2 00000000

LAN	
MAC Address:	C4-E9-84-3A-C8-EC
IP Address:	172.18.0.1
Subnet Mask:	255.255.255.0

Wireless	
Wireless Radio:	Enable
Name (SSID):	PORTASHARK
Channel:	4
Mode:	11bgn mixed
Channel Width:	Automatic
MAC Address:	C4-E9-84-3A-C8-EC

The right sidebar contains "Status Help" information:

Status Help

The **Status** page displays the Router's current status and configuration. All information is read-only.

LAN - The following parameters apply to the LAN port of the Router. You can configure them in the **Network** -> **LAN** page.

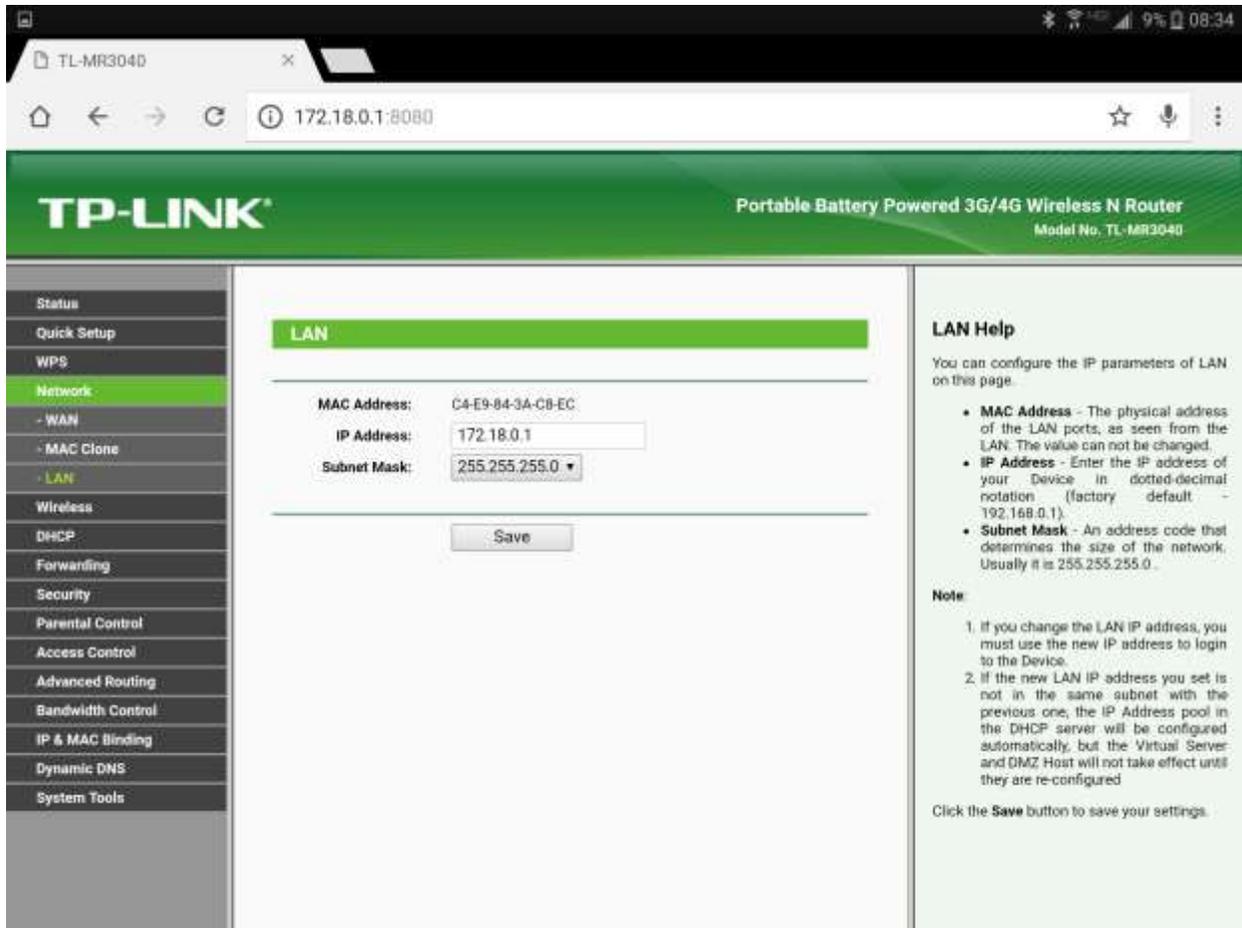
- **MAC Address** - The physical address of the Router, as seen from the LAN.
- **IP Address** - The LAN IP address of the Router.
- **Subnet Mask** - The subnet mask associated with LAN IP address.

Wireless - These are the current settings or information for Wireless. You can configure them in the **Wireless** -> **Wireless Settings** page.

- **Wireless Radio** - Indicates whether the wireless radio feature of the Router is enabled or disabled.
- **Name(SSID)** - The SSID of the Router.
- **Channel** - The current wireless channel in use.
- **Mode** - The current wireless mode which the Router works on.
- **Channel Width** - The bandwidth of the wireless channel.
- **MAC Address** - The physical address of the Router, as seen from the WLAN.

WAN - The following parameters apply to the WAN ports of the Router. You can configure

Then, choose the Network Tab and set an IP address that would not be used in most situations. I used 172.18.0.1 with a subnet 255.255.255.0.



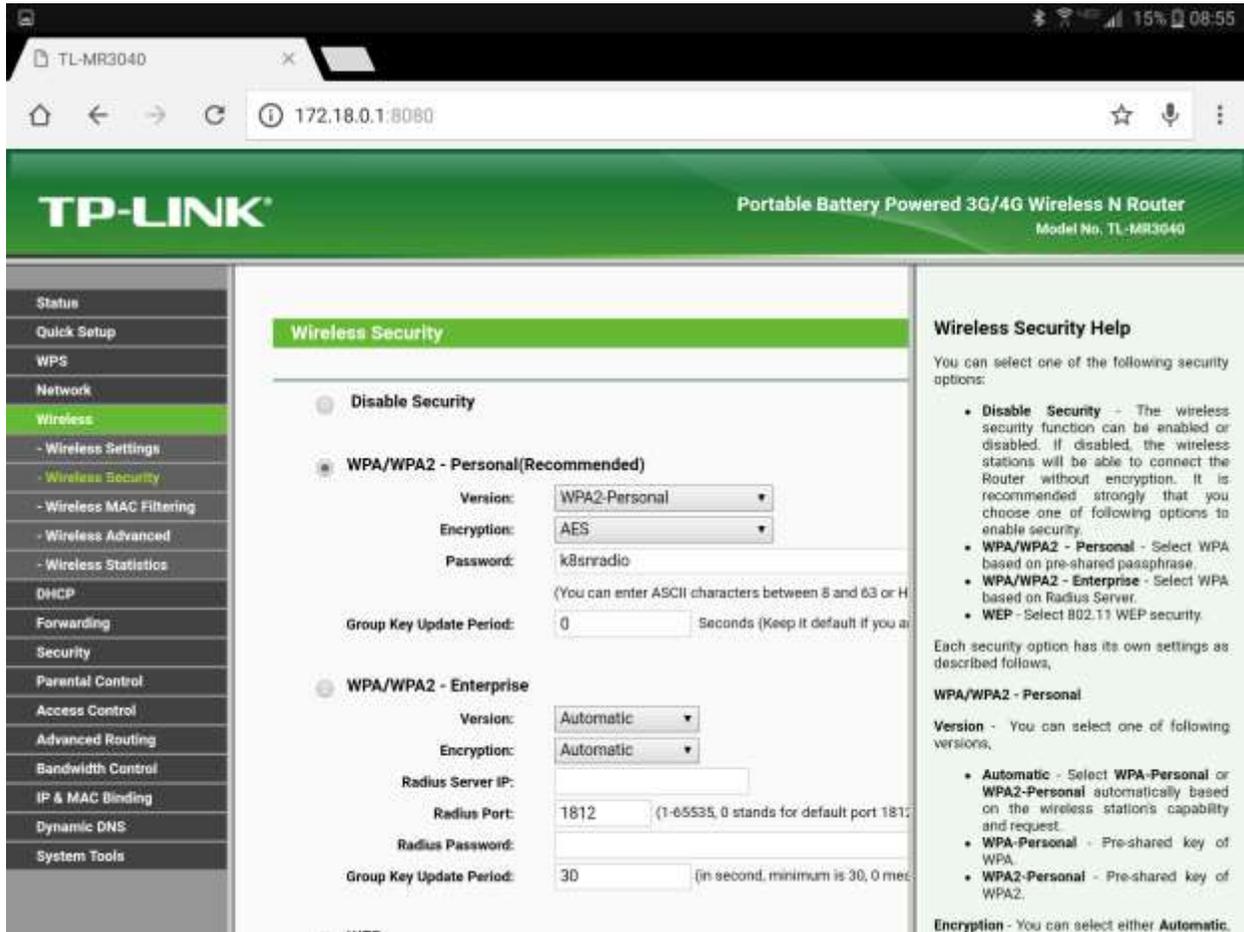
Save the changes and return to the new address in your browser.

Go to the wireless tab and change the AP Settings to whatever SSID you want to use. I used PORTASHARK .

The screenshot shows the TP-Link web interface for a TL-MR3040 router. The browser address bar shows the IP address 172.18.0.1:8080. The page title is "TP-LINK Portable Battery Powered 3G/4G Wireless N Router Model No. TL-MR3040". The "Wireless Settings" tab is selected in the left sidebar. The "Client Setting" section includes fields for SSID (Midstate Guests), BSSID (74-3E-2B-7D-89-08), Key type (WPA-PSK/WPA2-PSK), WEP Index (1), Auth type (open), and Password (mids1100). The "AP Setting" section includes a Local SSID field (PORTASHARK) and three checkboxes: "Enable Wireless Router Radio" (checked), "Enable SSID Broadcast" (checked), and "Disable Local Wireless Access" (unchecked). A "Save" button is located at the bottom of the AP Setting section. On the right, there is a "Wireless Settings Help" section with a note about operating distance and a list of guidelines for placement, including being near the center of the area, in an elevated location, away from interference sources, with the antenna upright, and away from large metal surfaces.

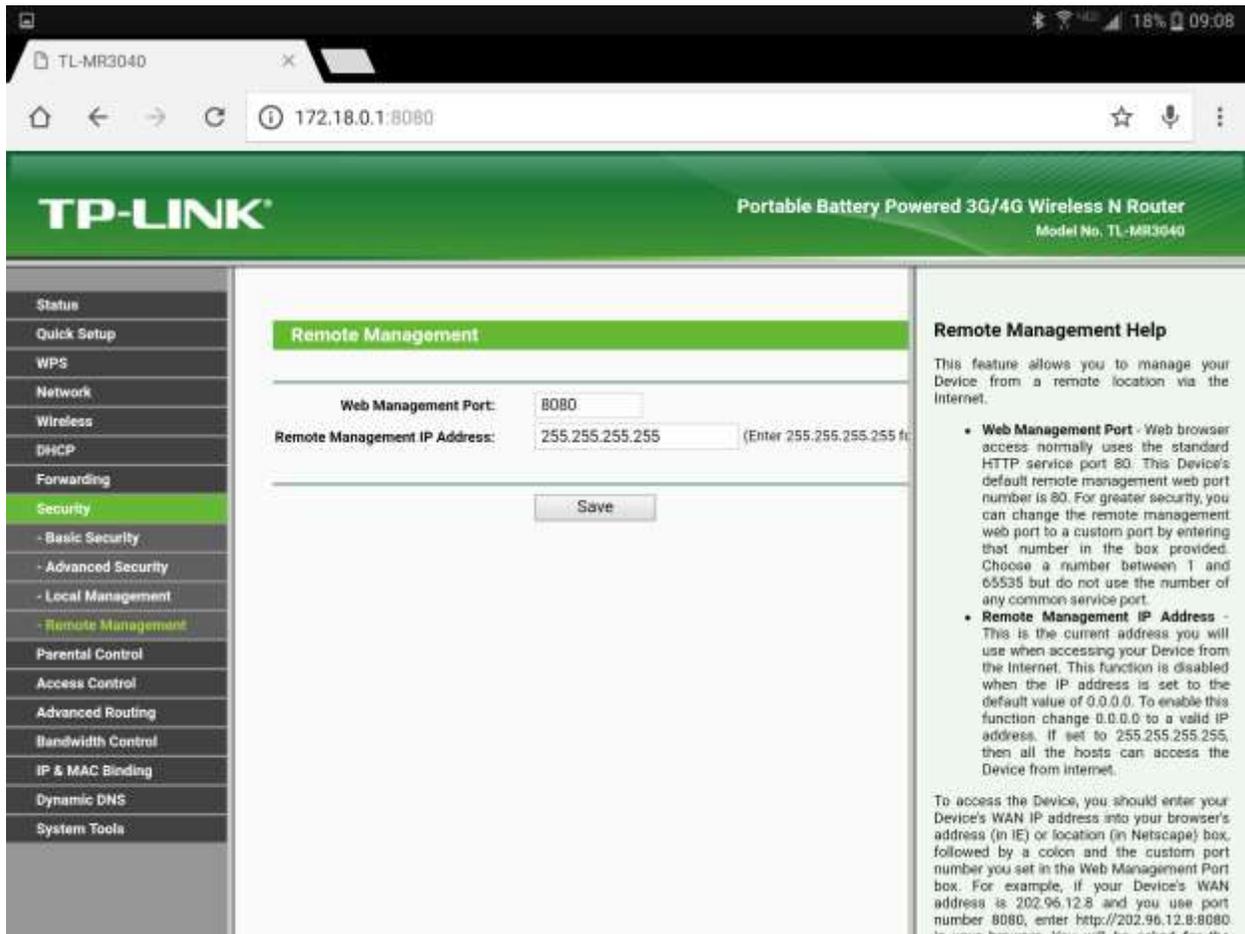
Make sure you set the Enable Wireless Router Radio and Enable SSID Broadcast.

Under Wireless Security, you can set up WPA2 Personal with a password. I use AES. And a password I can remember.



Don't forget to hit Save. And of course it will have to reboot.

Log back into the router and under Security / remote management make sure you have a port and you know what it is.



The default port is 8080, and I allow all IP's to manage it. It's okay this way, but if you want to be more secure, that's up to you.

Unplug the Network Cable from your Computer and restore the wireless radio on your Computer.

Log into the router using the wireless access point at the ip address :8080

(EX <http://172.18.0.1:8080>)

Plug the OpenSpot into the Network Jack of the router. Turn it on.

Navigate to the DHCP tab on the router. Go to the clients list.

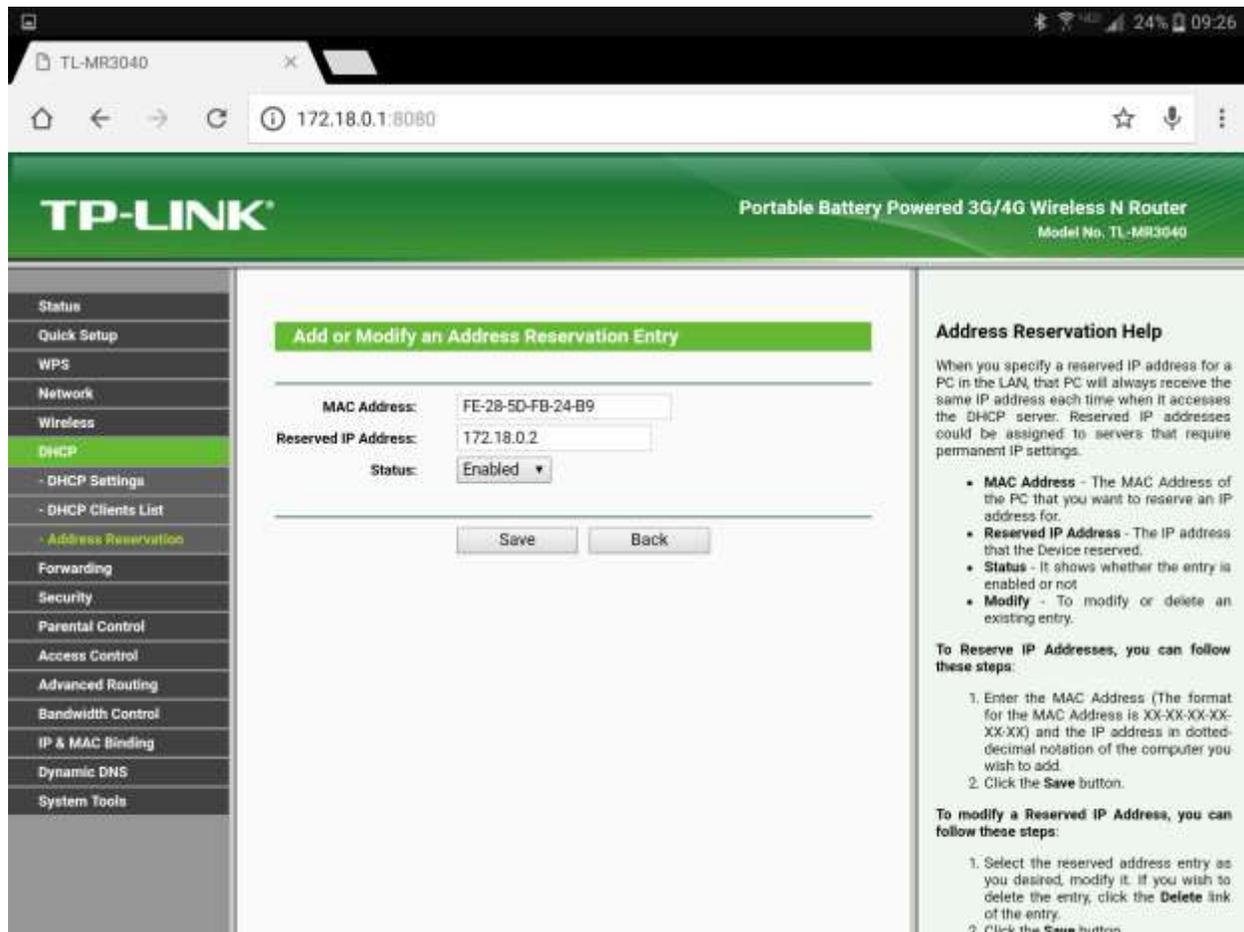
The screenshot shows the web interface of a TP-Link TL-MR3040 router. The browser address bar shows the URL 172.18.0.1:8080. The page title is "TP-LINK Portable Battery Powered 3G/4G Wireless N Router Model No. TL-MR3040". The left sidebar contains a navigation menu with the following items: Status, Quick Setup, WPS, Network, Wireless, DHCP (highlighted), - DHCP Settings, - DHCP Clients List (highlighted), - Address Reservation, Forwarding, Security, Parental Control, Access Control, Advanced Routing, Bandwidth Control, IP & MAC Binding, Dynamic DNS, and System Tools. The main content area displays the "DHCP Clients List" table with the following data:

ID	Client Name	MAC Address	Assigned IP	Lease Time
1	Portable	FE-28-5D-FB-24-B9	172.18.0.2	Permanent
2	android-ee22ea6a376d2b36	8D-1A-8F-64-47-6E	172.18.0.100	01:17:01
3	Unknown	3E-CE-61-BF-1A-5F	172.18.0.101	02:00:00

Below the table is a "Refresh" button. To the right of the table is a "DHCP Clients List Help" section with the following text: "This page shows Client Name, MAC Address, Assigned IP and Lease Time of each DHCP Client connected to this Device." and a list of definitions: "Client Name - The name of the DHCP client.", "MAC Address - The MAC address of the DHCP client.", "Assigned IP - The IP address this Device has allocated to the DHCP client.", and "Lease Time - The time of the DHCP client leased." Below the help text is a note: "You cannot change any of the values on this page. To update this page and to show the current connected devices, click on the Refresh button."

Whatever the host name of the OpenSpot is, will be shown with an IP Address that has been issued by the router. I like to leave the OpenSpot in DHCP and just put the MAC in the reservation list. Make a note of the MAC address in the DHCP clients and we will put it in the reservation list.

Navigate to the address reservation menu and enter the MAC Address from the previous step. I like to use the address one up from the router. I can remember it easier. Whatever you decided to do, just make sure it's out of the range that the Router Delivers automatically.

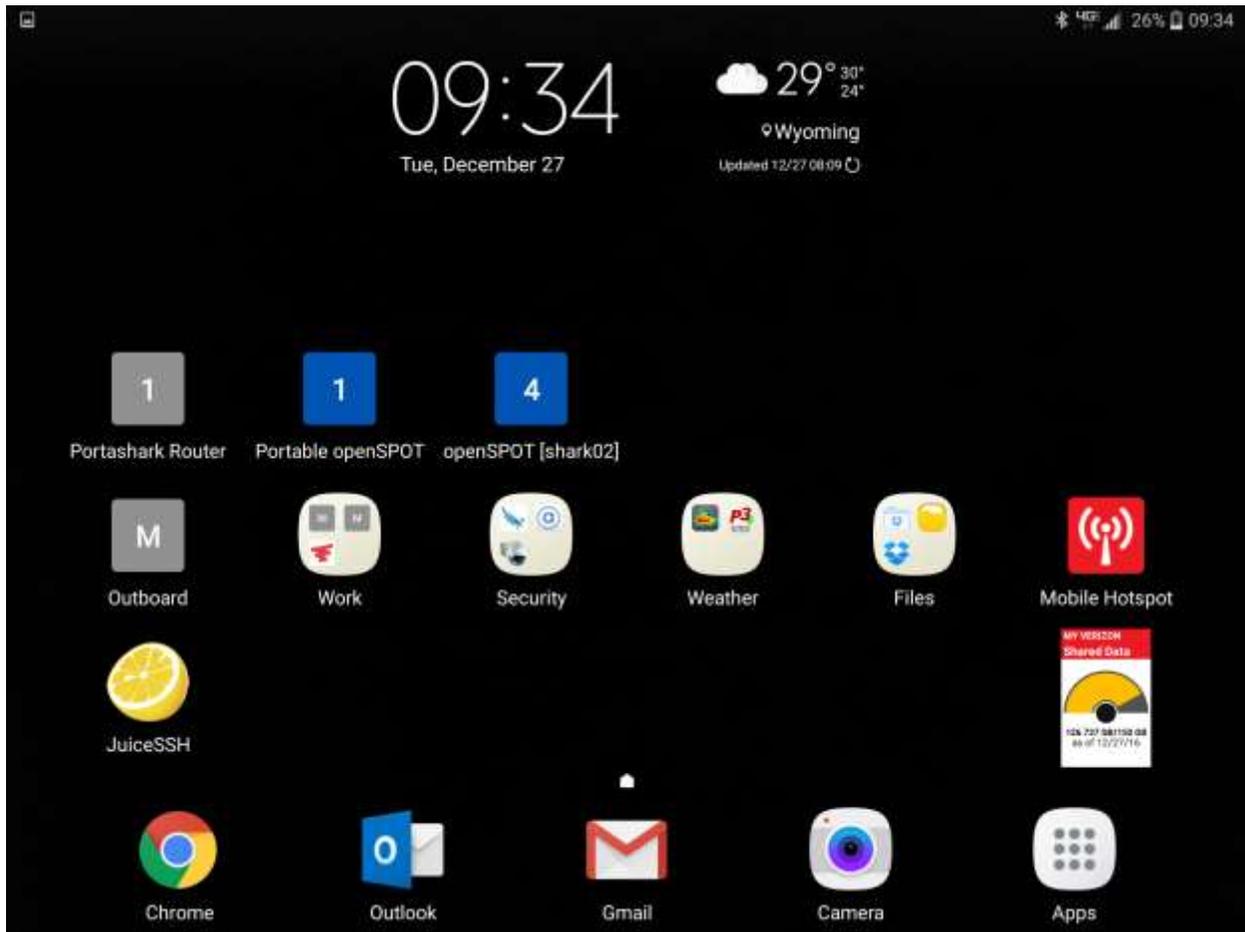


Save it, reboot the OpenSpot. After it comes to life, make sure the DHCP clients list shows the OpenSpot.

Power down the Router with the power switch.

Plug the OpenSpot into the USB port of the Router and turn it back on.

I use my Android Tablet and Phone to connect to the router and the OpenSpot. It works perfectly. I saved a shortcut on my desktop for the router, and the OpenSpot.



Now, let's log back into the Router and link our wireless network to it.

Under wireless networks / Wireless Settings, click on the Survey Button:

TP-LINK Portable Battery Powered 3G/4G Wireless N Router
Model No. TL-MR3040

Status
Quick Setup
WPS
Network
Wireless
- Wireless Settings
- Wireless Security
- Wireless MAC Filtering
- Wireless Advanced
- Wireless Statistics
DHCP
Forwarding
Security
Parental Control
Access Control
Advanced Routing
Bandwidth Control
IP & MAC Binding
Dynamic DNS
System Tools

Wireless Settings

Client Setting

SSID: Midstate Guests

BSSID: 74-3E-2B-70-89-08 Example:00-10-0F-11-22-33

Key type: WPA-PSK/WPA2-PSK ▼

WEP Index: 1 ▼

Auth type: open ▼

Password: mids1100

AP Setting

Local SSID: PORTASHARK

Enable Wireless Router Radio
 Enable SSID Broadcast
 Disable Local Wireless Access

Wireless Settings Help

Note: The operating distance or range of your wireless connection varies significantly based on the physical placement of the Router. For best results, place your Router.

- Near the center of the area in which your wireless stations will operate.
- In an elevated location such as a high shelf.
- Away from the potential sources of interference, such as PCs, microwaves, and cordless phones.
- With the Antenna in the upright position.
- Away from large metal surfaces.

Note: Failure to follow these guidelines can result in significant performance degradation or inability to wirelessly connect to the Router.

SSID - The SSID of the AP your Router is going to connect to as a client. You can also use the search function to select the SSID to join.

BSSID - The BSSID of the AP your Router is going to connect to as a client. You can also use the survey function to select the BSSID to join.

Survey - Click this button, you can search the APs.

Key type - This option should be chosen according to the AP's security configuration.

The following screen will pop up...

TP-LINK Portable Battery Powered 3G/4G Wireless N Router Model No. TL-MR3040

AP Count: 24

ID	BSSID	SSID	Signal	Channel	Security	Choose
1	1C-B9-C4-67-D3-D9		34dB	1	ON	Connect
2	1C-B9-C4-E7-D3-D8	NFG AV	34dB	1	ON	Connect
3	1C-B9-C4-67-D3-D8	NFG Board	34dB	1	ON	Connect
4	1C-B9-C4-A7-D3-D9	NFG Guest	33dB	1	OFF	Connect
5	1C-B9-C4-27-D3-D8	NFGi	33dB	1	ON	Connect
6	1C-B9-C4-A7-D3-D8	WMCB	33dB	1	ON	Connect
7	1C-B9-C4-27-D3-D9	WMCB EXT	35dB	1	ON	Connect
8	74-3E-2B-30-89-08		7dB	4	ON	Connect
9	74-3E-2B-F0-89-08		7dB	4	ON	Connect
10	74-3E-2B-30-89-09	GP Team	7dB	4	ON	Connect
11	74-3E-2B-70-89-08	Midstate Guests	8dB	4	ON	Connect
12	74-3E-2B-80-89-08	MidstateWireless	7dB	4	ON	Connect
13	74-3E-2B-30-94-88		57dB	7	ON	Connect
14	74-3E-2B-F0-94-88		58dB	7	ON	Connect
15	74-3E-2B-30-94-89	GP Team	58dB	7	ON	Connect
16	74-3E-2B-70-94-88	Midstate Guests	59dB	7	ON	Connect
17	74-3E-2B-80-94-88	MidstateWireless	60dB	7	ON	Connect
18	1C-B9-C4-68-3B-79		38dB	10	ON	Connect
19	1C-B9-C4-E8-3B-78	NFG AV	37dB	10	ON	Connect
20	1C-B9-C4-68-3B-78	NFG Board	38dB	10	ON	Connect

Wlan Site Survey Help

Note: The informations of APs which you could connect to are shown on this page. Use as follow:

- First, find the line where the network you want to connect lay on.
- Then, click the hyperlink "Connect" at the end of that line.
- Now, the target network's SSID is filled in the correct place on the Wlan config page automatically.

Note: click the **Refresh** button to update the AP list.

click the **Back** button to return Wlan config page.

Connect to the Access Point you want to use by clicking on the "Connect" under the choose column.

Make sure, if the Access Point has a password, you fill that in, in the password field

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When you save it, it will ask you to reboot. It will offer a link to do so.

Notice when you reboot the router, the OpenSpot will reboot too!

After the reboot, log back in and let's check our status.

Scroll to the bottom of the home page, under the WAN section, you should have something similar to this.

TP-LINK Portable Battery Powered 3G/4G Wireless N Router
Model No. TL-MR3040

Wireless

Name (SSID): PORTASHARK
Channel: 4
Mode: 11bgn mixed
Channel Width: Automatic
MAC Address: C4-E9-84-3A-C8-EC

WAN

MAC Address: C4-E9-84-3A-C8-ED
IP Address: 192.168.0.178 Dynamic IP
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.0.1
DNS Server: 192.168.0.1, 8.8.8.8

Traffic Statistics

	Received	Sent
Bytes:	1933314	4825297
Packets:	11840	5080

System Up Time: 0 days 00:20:58

Status Help

The **Status** page displays the Router's current status and configuration. All information is read-only.

LAN - The following parameters apply to the LAN port of the Router. You can configure them in the **Network** -> **LAN** page.

- **MAC Address** - The physical address of the Router, as seen from the LAN.
- **IP Address** - The LAN IP address of the Router.
- **Subnet Mask** - The subnet mask associated with LAN IP address.

Wireless - These are the current settings or information for Wireless. You can configure them in the **Wireless** -> **Wireless Settings** page.

- **Wireless Radio** - Indicates whether the wireless radio feature of the Router is enabled or disabled.
- **Name(SSID)** - The SSID of the Router.
- **Channel** - The current wireless channel in use.
- **Mode** - The current wireless mode which the Router works on.
- **Channel Width** - The bandwidth of the wireless channel.
- **MAC Address** - The physical address of the Router, as seen from the WLAN.

WAN - The following parameters apply to the WAN ports of the Router. You can configure

There should be something in the WAN section.

Now you should be able to browse to the OpenSpot by going to the IP address you picked in the DHCP reservation above.



Login

Password:

Remember me

Anytime you want to change WIFI Access Points, (Hotel Rooms, Buddy's Cell Phone , Work WIFI, just go back to the wireless settings and do another survey, connect to that WAN and off you go!

Questions? Email Sam... sam.nabkey@gmail.com.