

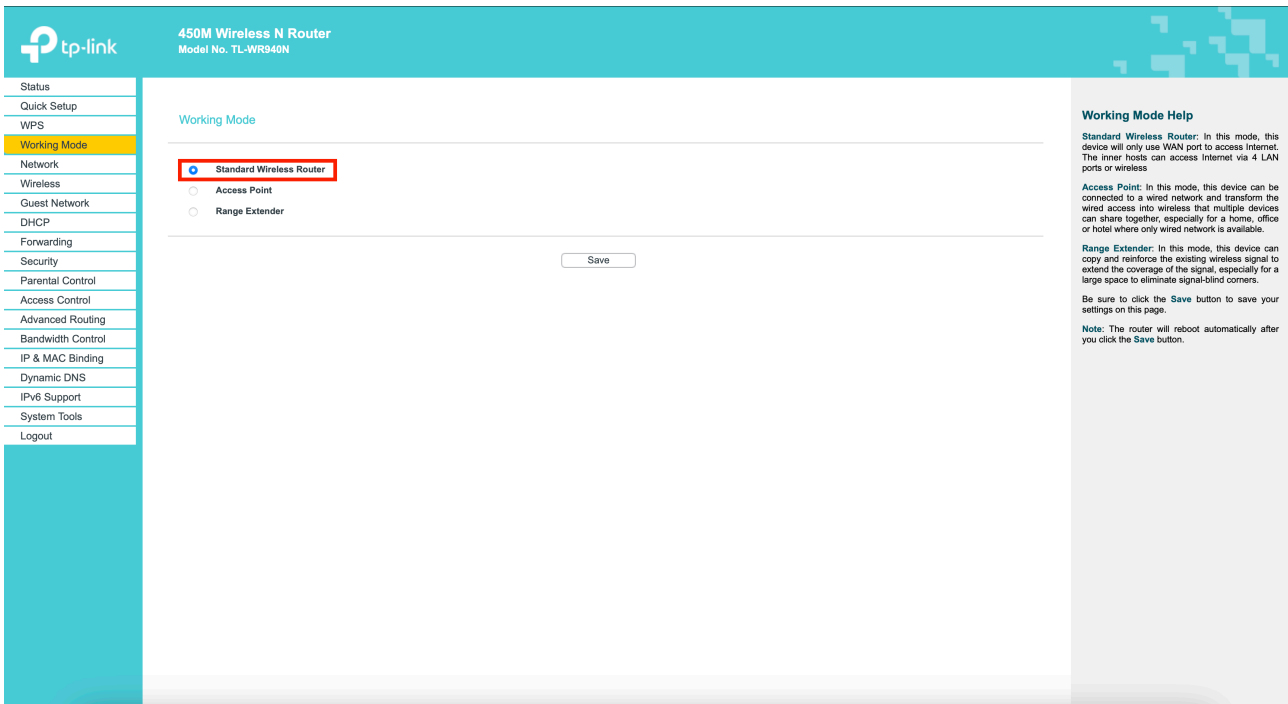
How to setup up most routers to use with Raspberry Pi.

We use an TP-Link WR940N router but this manual should work for almost any router.

1. Connect your laptop to the router with an LAN cable, you can use any of the four yellow/orange ports. Don't use the blue (WAN) port this is for your internet connection.
2. You can access most routers with your browser, type 192.168.0.1 and login with user: admin and use password: admin
3. If this doesn't work please refer to your routers manual to see how you can login in the router.

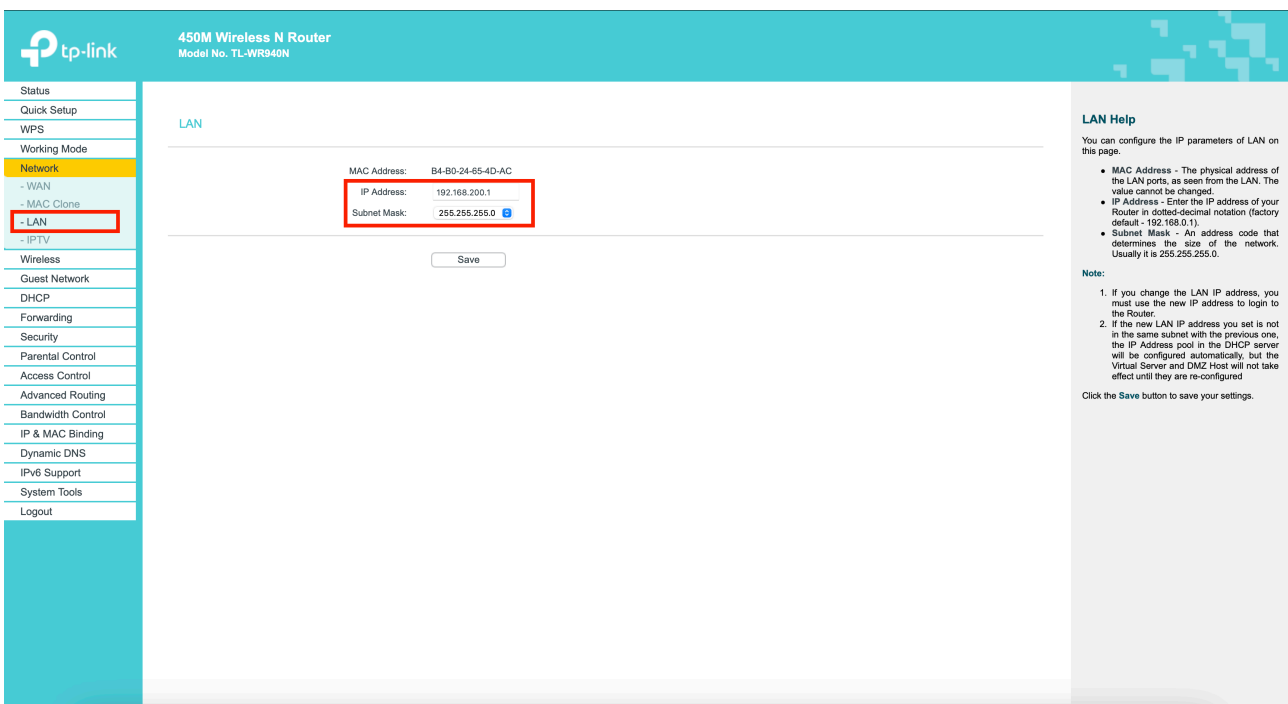
When connected and successful login make the following changes:

1. Setup your router as standard wireless router, save settings.



The screenshot shows the TP-Link web interface for a 450M Wireless N Router (Model No. TL-WR940N). The left sidebar contains a navigation menu with items like Status, Quick Setup, WPS, Working Mode, Network, Wireless, Guest Network, DHCP, Forwarding, Security, Parental Control, Access Control, Advanced Routing, Bandwidth Control, IP & MAC Binding, Dynamic DNS, IPv6 Support, System Tools, and Logout. The main content area is titled 'Working Mode' and features three radio button options: 'Standard Wireless Router' (which is selected and highlighted with a red box), 'Access Point', and 'Range Extender'. A 'Save' button is located at the bottom of the form. On the right side, there is a 'Working Mode Help' section with explanatory text for each mode.

2. Under Network go to LAN and set the IP address to: 192.168.200.1 and select Subnetmask 255.255.255.0 and save settings.



The screenshot shows the TP-Link web interface for a 450M Wireless N Router (Model No. TL-WR940N) with the 'LAN' configuration page selected. The left sidebar is the same as in the previous screenshot, but 'Network' is highlighted, and 'LAN' is selected. The main content area shows the LAN configuration fields: 'MAC Address: B4-80-24-65-4D-AC', 'IP Address: 192.168.200.1', and 'Subnet Mask: 255.255.255.0'. The IP and Subnet Mask fields are highlighted with red boxes. A 'Save' button is at the bottom. On the right, there is a 'LAN Help' section with instructions on how to configure LAN parameters and a list of notes.

3. Go to DHCP settings and setup the following:

- Start IP address: 192.168.200.100
- End IP address: 192.168.200.199
- Default gateway: 192.168.200.1

The screenshot shows the DHCP Settings page for a TP-Link 450M Wireless N Router. The DHCP Server is set to 'Enable'. The Start IP Address is 192.168.200.100, End IP Address is 192.168.200.199, and Default Gateway is 192.168.200.1. The Address Lease Time is 1 minute. The Primary and Secondary DNS are both 0.0.0.0. A 'Save' button is visible at the bottom of the form.

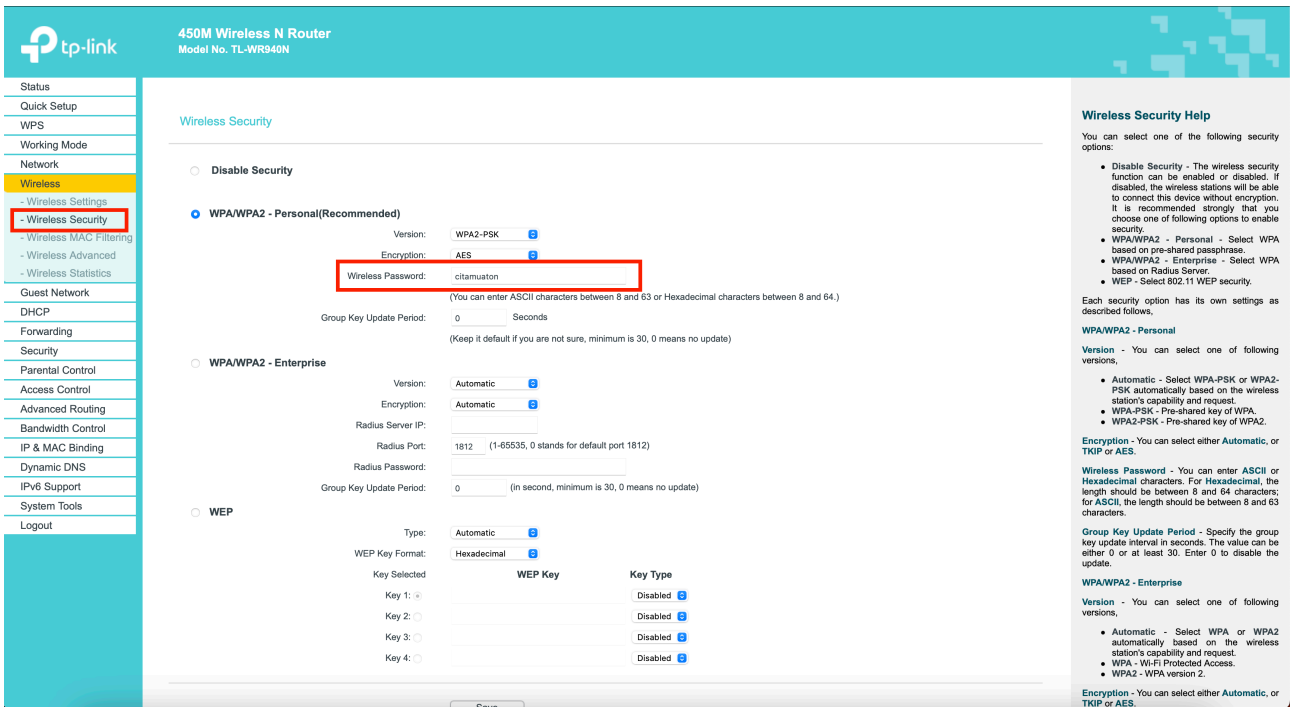
4. Don't forget to save settings and reboot your router!

You also can change the SSID of your WiFi network:

1. Go to Wireless settings and change the Wireless Network Name to any name your like

The screenshot shows the Wireless Settings page for a TP-Link 450M Wireless N Router. The Wireless Network Name is set to 'notautomatic-router'. The Mode is '11bgn mixed', Channel Width is 'Auto', and Channel is 'Auto'. The 'Enable Wireless Router Radio', 'Enable SSID Broadcast', and 'Enable WDS Bridging' checkboxes are checked. A 'Save' button is visible at the bottom of the form.

2. Go to Wireless security settings and change the Wireless password to whatever suits you.



3. Save settings and reboot your router.

4. Disconnect the LAN cable on your laptop and put it in the LAN port on the Raspberry.

5. You now should have an working router to verify this:

- Connect your laptop to the WiFi network.
- If connected go to your browser and browse to: 192.168.200.200
- You should see your Notautomatic login screen.