



# How to configure your router as an Access Point? (WI-FI Extender)

## Part 1: TP-Link



## Step 1

Connect your computer to a second LAN port on your TP-Link router using an Ethernet cable.

Login to the TP-Link web interface through the IP address listed on the label on the bottom of your TP-Link

Note: Try the following incase none is available

- a) 192.168.1.1
- b) 192.168.2.1
- c) 192.168.0.1

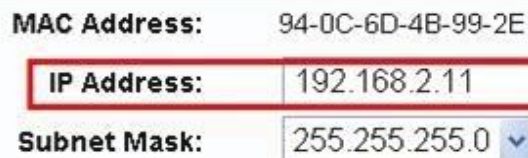
You can also login to TP-Link web interface though the website <http://tplinkwifi.net>



## Step 2

Go to **Network>LAN** on the side menu and **change** the LAN IP address of your TP-Link N router to an IP address on the same segment of the main router.

Example: if the DHCP of your main router is 192.168.100.100 – 192.168.100.199 then you can set the IP of the TP-Link N router to **192.168.100.50**



Note: After changing the LAN IP address a reboot will be required and you will need to log into the TP-Link N router with the new IP address.



### Step 3

Go to **Wireless>Wireless Settings** and set the **SSID (Network name)** which can be the same or different from the main router's. Select **Save**.

Wireless Network Name: TP-LINK\_0919 (Also called the SSID)

Region: United States

Warning: Ensure you select a correct country to conform local law. Incorrect settings may cause interference.

Mode: 11bgn mixed

Channel Width: Auto

Channel: Auto

Enable Wireless Router Radio

Enable SSID Broadcast

Enable WDS Bridging

Save

### Step 4

Go to **Wireless>Wireless Security** and configure the wireless security. **WPA/WPA2-Personal** is recommended as the most secure option. Once configured, click **Save**.

Disable Security

WPA/WPA2 - Personal(Recommended)

Version: WPA2-PSK

Encryption: AES

Wireless Password: hello-tp-link  
(You can enter ASCII characters between 8 and 63 or Hexadecimal characters between 8 and 64.)

Group Key Update Period: 0 Seconds  
(Keep it default if you are not sure, minimum is 30, 0 means no update)

WPA/WPA2 - Enterprise

Version: Automatic

Encryption: Automatic

Radius Server IP: [Empty]

Radius Port: 1812 (1,65535, 0 stands for default port 1812)

Radius Password: [Empty]

Group Key Update Period: 0 (in second, minimum is 30, 0 means no update)

WEP

Type: Automatic

WEP Key Format: Hexadecimal

Key Selected	WEP Key	Key Type
Key 1: <input type="radio"/>	[Empty]	Disabled
Key 2: <input type="radio"/>	[Empty]	Disabled
Key 3: <input type="radio"/>	[Empty]	Disabled
Key 4: <input type="radio"/>	[Empty]	Disabled

Save

Note: If using a dual band router, repeat this process for the 5GHz band as well.



## Step 5

Go to DHCP>DHCP Settings and select Disable the DHCP Server. Select Save.

**DHCP Settings**

DHCP Server:  Disable  Enable

Start IP Address: 192.168.0.100

End IP Address: 192.168.0.199

Address Lease Time: 120 minutes (1~2880 minutes, the default value is 120)

Default Gateway: 192.168.0.1

Default Domain: (Optional)

Primary DNS: 0.0.0.0 (Optional)

Secondary DNS: 0.0.0.0 (Optional)

Save

## Step 6

Go to System Tools>Reboot and select Reboot to reboot the device.

**System Tools**

- Time Settings
- Diagnostic
- Firmware Upgrade
- Factory Defaults
- Backup & Restore
- Reboot
- Password
- System Log
- Statistics

**Reboot**

Click this button to reboot this device.

Reboot



## Step 7

Use an Ethernet cable to connect the **Huawei ONT** (main router) to your **TP-Link router** through their **LAN ports** (any LAN ports may be used). All other LAN ports on your TP-Link N router will now grant devices Internet access. Alternatively, any Wi-Fi device can now access the Internet through your TP-Link N router by using the SSID and Password set up in the above steps.



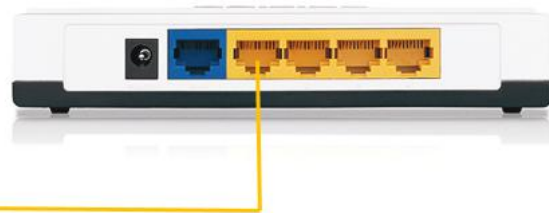
Alcatel ONT (Main Router)



TP Link Router (Access Point)



Huawei ONT (Main Router)



TP Link Router (Access Point)

