TP-LINK®
The Reliable Choice

Quick Installation Guide
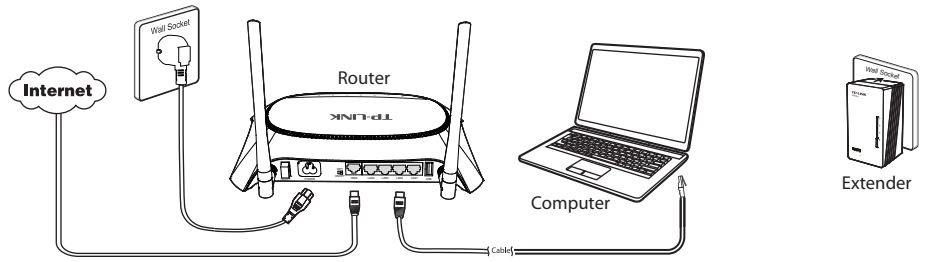AV500 Hybrid Wi-Fi Starter Kit

MODEL NO. H5R/H5E

EAC

710650464   REV1.0.0

Package Contents

Hybrid Wi-Fi Dual Band Router

Hybrid Wi-Fi Extender

Ethernet Cable × 2

Resource CD
(For Windows Only)

QIG

Power Adapter

Hardware Connection
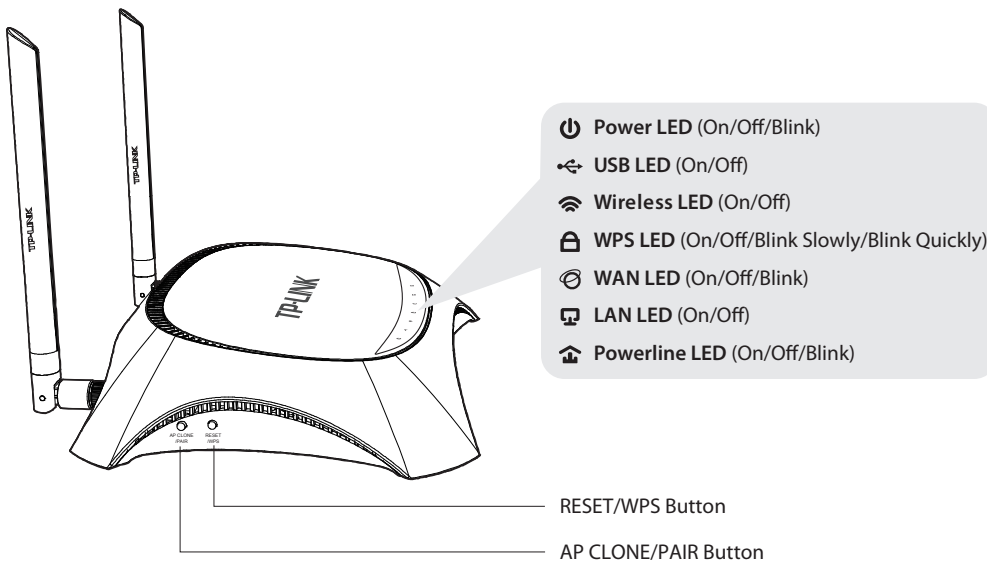
Internet

Wall Socket

Router

Computer

Cable

Extender
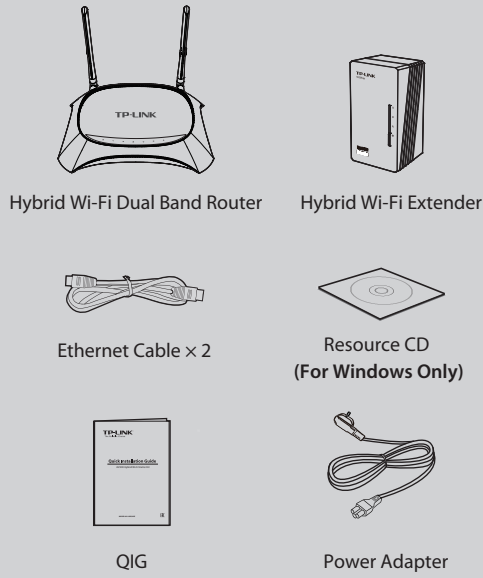
❶ Connect the WAN port of the router to the Internet with an Ethernet cable.

❷ Connect a LAN port of the router to your computer with another Ethernet cable.

❸ Connect the power socket of the router to a wall socket with the supplied power adapter.

❹ Plug the extender into a nearby wall socket.

❺ Turn on the ON/OFF switch to power on the router and wait for 1 minute.
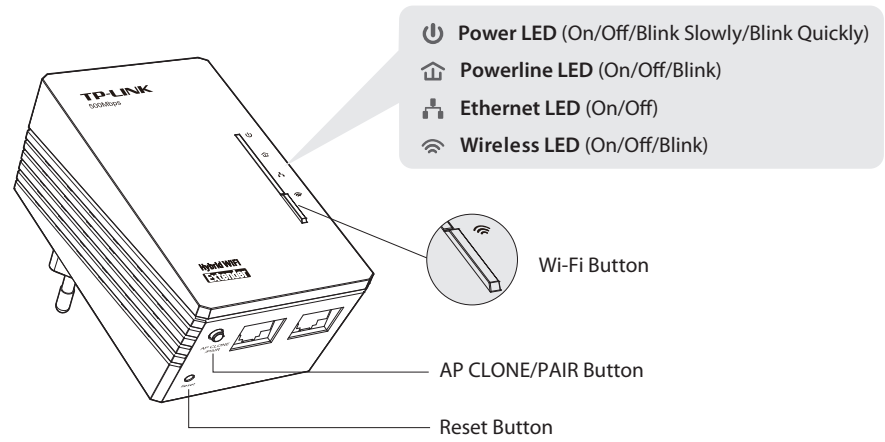
> **Note**
> 1. The router and extender must be plugged into wall sockets under the same electric meter.
> 2. Configure the router before performing AP clone.

LEDs and Buttons

Router

⏻ **Power LED** (On/Off/Blink)
↭ **USB LED** (On/Off)
 Wireless LED (On/Off)
🔒 **WPS LED** (On/Off/Blink Slowly/Blink Quickly)
 WAN LED (On/Off/Blink)
🖥 **LAN LED** (On/Off)
🏠 **Powerline LED** (On/Off/Blink)

RESET/WPS Button

AP CLONE/PAIR Button

Extender

⏻ **Power LED** (On/Off/Blink Slowly/Blink Quickly)
🏠 **Powerline LED** (On/Off/Blink)
 Ethernet LED (On/Off)
 Wireless LED (On/Off/Blink)

Wi-Fi Button

AP CLONE/PAIR Button

Reset Button

1 Configure the Router

Method 1 >> Configure the Router via CD Setup Wizard   (For Windows Only)

1 Insert the TP-LINK Resource CD into the CD-ROM drive.

**2** Select **H5R** and then click **Easy Setup Assistant**.
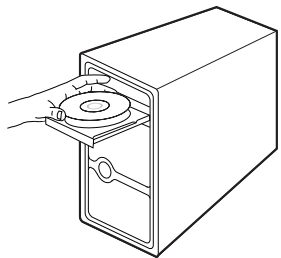
3 Choose your language from the drop-down menu. Click **START** and the Easy Setup Assistant will guide you step by step to set up the router.

4 Follow the instructions until you see the screen below. Click **FINISH** to complete the setup.
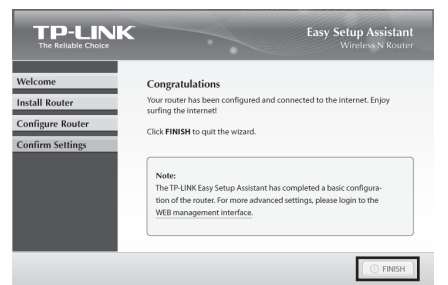
Method 2 >> Configure the Router via Web-based Quick Setup Wizard   (For Windows/Mac/Linux)

> **Note** Make sure that your computer is set to "**Obtain an IP address automatically**".

1 Open your web browser, type domain name **http://tplinklogin.net** in the address bar and press **Enter**. Then use the default user name and password (**admin/admin**) to log in.

2 Click **Quick Setup** on the main menu and then click **Next**.
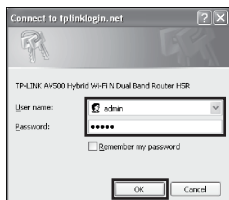
3 Select **Auto-Detect** to detect the Internet connection type and click **Next**. (The Dynamic IP is the suitable connection type for most cases, so we take it as an example in the following.)

4 If **Dynamic IP** is detected, the MAC Clone page will appear. In most cases, there is no need to clone the MAC address. You can select "**No, ...**" and then click **Next**.
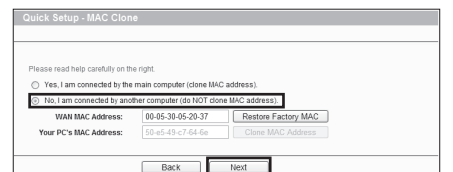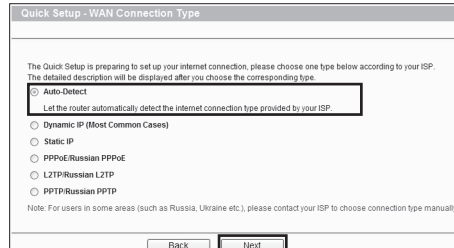
> **Note**
> 1. If the login window does not pop up or the login fails, please refer to **Troubleshooting-2**.
> 2. To ensure account security, you are recommended to change the default user name and password on the "**System Tools > Password**" page after your first login.

> **Note** The router will automatically detect the Internet connection. If the Internet is available, the router will direct you to **Step 5**; otherwise, you need to continue with **Step 3**.

(To be continued ...)

1 Configure the Router (Continued)

5 Choose the wireless band for your wireless network and then click **Next**. In this example, both 2.4GHz and 5GHz bands are chosen.
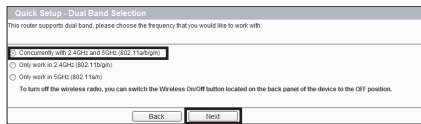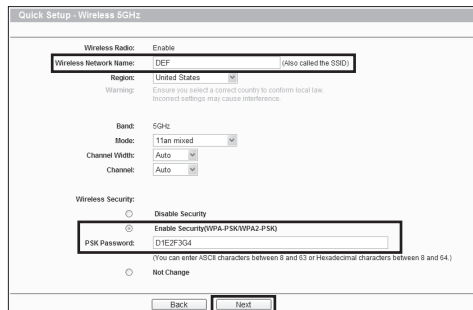
6 Set a new name and password for your 2.4GHz wireless network and then click **Next**.

7 Set a new name and password for your 5GHz wireless network and then click **Next**.

8 Click **Reboot** to make your settings take effect.
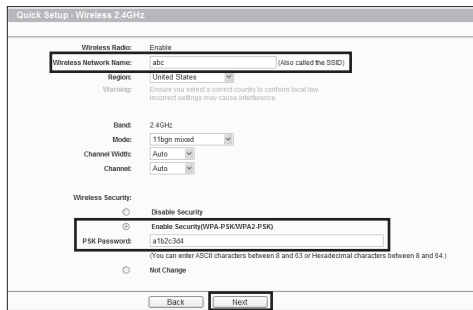
> **Note** The default wireless network name is TP-LINK_2.4GHz_XXXXXX, and the default wireless password is printed on the bottom label.

> **Note** The default wireless network name is TP-LINK_5GHz_XXXXXX, and the default wireless password is printed on the bottom label.
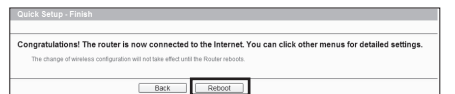
2 Unify and Extend Wi-Fi Network via AP Clone

To unify and extend your network, you can set up a network between the router and the extender via AP clone.

AP clone enables the extender to automatically synchronize wireless settings (such as the SSID and wireless password) with the router, providing you a secured network roaming experience.

Please follow the steps below to get started.

> **Note** The router supports both 2.4GHz and 5GHz networks while the extender supports only 2.4GHz network. So the extender can only synchronize wireless settings of 2.4GHz network.

1 Plug the extender into a wall socket near the router.

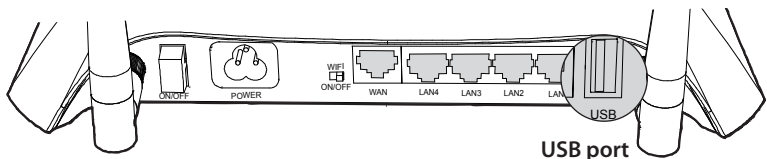**2** Press the AP CLONE/PAIR button on the router's side panel and the router's Power LED will blink.
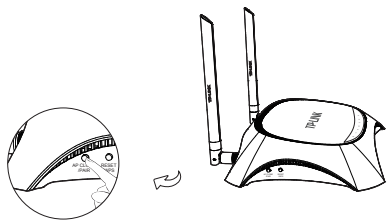
3 Press the AP CLONE/PAIR button on the extender's bottom and the extender's Power LED will blink quickly.

In about 20 seconds, both Powerline LEDs will be solid on. The router and the extender have formed a powerline network. Then both Power LEDs will be solid on. The AP clone process is completed.

4 Place the extender in your desired location. The extender will automatically synchronize wireless settings with the router whenever the router's wireless settings are changed.

SSID: abc
Password: a1b2c3d4

Internet — Router
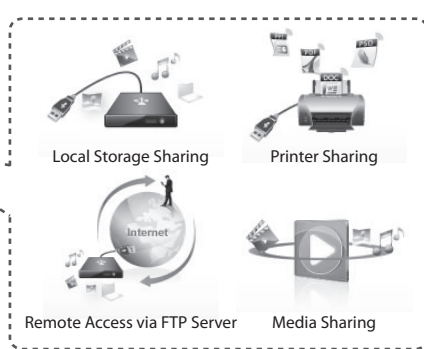
SSID: abc
Password: a1b2c3d4

Extender
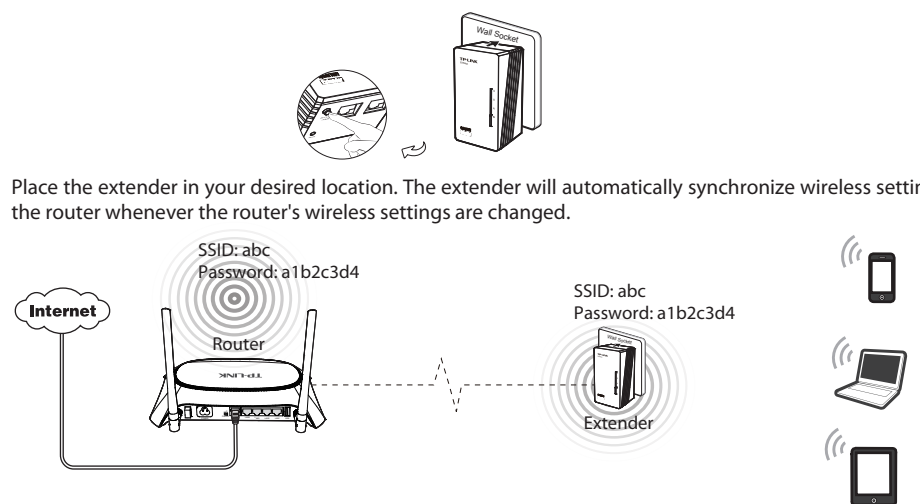
Appendix 1: USB Features Introduction and Application

USB port of the router can be used to share your file, media, storage space, and printer across your local network. Besides, by setting up an FTP server, you can access your files whenever you are connected to the Internet.

USB port

Scan the QR code to access the Application Guide for USB features.

http://www.tp-link.com/app/usb

Local Storage Sharing   Printer Sharing
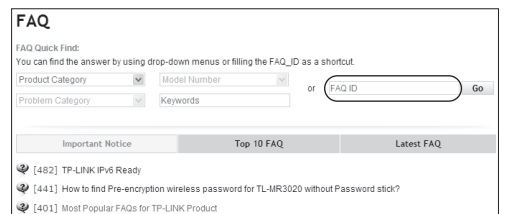
Remote Access via FTP Server   Media Sharing

Appendix 2: Additional Features

You can set up additional features by referring to the Technical Support page on the TP-LINK website or the User Guide on the resource CD.

Scan the QR code to access the Technical Support page.

http://www.tp-link.com/en/support/faq

FAQ

- Open ports for Game Console   FAQ ID: 72
- Set up Bandwidth Control   FAQ ID: 194
- Set up Parental Control   FAQ ID: 350
- Set up Access Control   FAQ ID: 359
- Set up/Change the wireless security settings   FAQ ID: 256
- Upgrade the firmware   FAQ ID: 296
- Restore the factory default settings   FAQ ID: 426
- Add a powerline adapter via pair button   FAQ ID: 319
- Look over the hardware version   FAQ ID: 97

Troubleshooting

1. What can I do if I cannot access the Internet?

1) Make sure that your computer can access the Internet when connected directly to the modem using an Ethernet cable.

2) Make sure that all cables are connected correctly. Try different Ethernet cables to ensure they are working properly.

3) Check whether you are able to access the router's web management page. If not, please refer to "**What can I do if I cannot open the web-based management page?**".

4) Log in the web management page (http://tplinklogin.net), choose menu "**Network > WAN**", and ensure that WAN Connection Type is Dynamic IP; this is the suitable connection type for most DSL/Cable modem and other network.

5) For cable modem users, please try rebooting the modem first. If the problem persists, choose menu "**Network > MAC Clone**", click **Clone MAC Address** and then click **Save**.
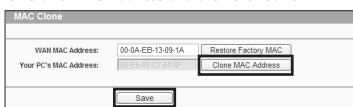
If the problem persists, please contact our technical support for further assistance.

2. What can I do if I cannot open the web-based management page?

1) Verify all the hardware connections. The computer should be connected to a LAN port of the router.

2) Turn off the router and turn it back on.

3) Try another cable/web browser/computer.

4) Check the IP settings of your computer, and ensure that it is set to "**Obtain an IP address automatically**".

3. What can I do if I forget my password?

- For the web management page password:
  The default user name and password are both **admin**. If you have changed them, please restore the router to factory default settings.

- For the wireless password:
  The default wireless password is printed on the bottom label. If you have changed it, please find it on the **Wireless Security** page of the router's web management page.

4. How do I restore my router's configuration to its factory default settings?

If your router does not work properly, you can reset it and then configure it again. With the router powered on, press and hold the **RESET/WPS** button on the side panel for about 10 seconds before releasing it.

5. What can I do if AP clone fails?

1) Make sure that the router and extender are plugged into wall sockets under the same electric meter.

2) Follow the instructions described in this QIG to perform AP clone again.

3) Restore both the router and extender to factory defaults and perform AP clone before configuring the router.

If the problem persists, please contact our technical support for further assistance.