

PDE

# **User Guide**

BE19000 Tri-Band Wi-Fi 7 Router Archer BE805

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## Contents

About This Guide	 •••	 •••	 	• •	 	 	• •	 		 • •				 • •	÷	 1

Chap	oter 2. Connect the Hardware	7
2. 1.	Position Your Router	8
2. 2.	Connect Your Router	8
Chap	oter 3. Log In to Your Router	11
Chap	oter 4. Set Up Internet Connection	13
4. 1.	Use Quick Setup Wizard	14
4. 2.	Quick Setup Via TP-Link Tether App	
4. 3.	Manually Set Up Your Internet Connection	
4.4.	Set Up the Router as an Access Point	
4. 5.	Set Up an IPv6 Internet Connection	
Chap	oter 5. TP-Link Cloud Service	23
5. 1.	Register a TP-Link ID	
5. 2.	Change Your TP-Link ID Information	
5. 3.	Manage the User TP-Link IDs	
	5. 3. 1.Add TP-Link ID to Manage the Router	
	5. 3. 2.Remove TP-Link ID(s) from Managing the Router	
5. 4.	Manage the Router via the TP-Link Tether App	
Char	oter 6. Network Map	

Chap	ter 8. Wireless Settings	41
8. 1.	Specify Wireless Settings	
8.2.	Schedule Your Wireless Function	
8.3.	Use WPS for Wireless Connection	
	8. 3. 1.Connect via the Client's PIN	
	8. 3. 2.Connect via the Router's PIN	
	8. 3. 3.Push the WPS Button.	
8. 4.	Advanced Wireless Settings	48
Chap	ter 9. Guest Network	50
9.1.	Create a Network for Guests	51
9.2.	Customize Guest Network Options	52
Chap	ter 10.USB Settings	53
	Access the USB Storage Device	
10. 1.	10. 1. 1. Access the USB Device Locally	
	10. 1. 2.Access the USB Device Remotely	
	10. 1. 3.Customize the Access Settings	
10.2.	Media Sharing	
10.3.	-	
Chap	ter 11.HomeShield	62
11. 1.		
	Parental Controls	
	QoS	
	More Features	
Chap	ter 12.OneMesh with Seamless Roaming	69
12.1.	Set Up a OneMesh Network	70
	Manage Devices in the OneMesh Network	
Chap	ter 13.Network Security	74
13. 1.	Protect the Network from Cyber Attacks	75
	Access Control	
	IP & MAC Binding	
13.4.	ALG	79

Chap	ter 14.NAT Forwarding	80
14. 1. 14. 2.	Open Ports Dynamically by Port Triggering	83
14. 3. 14. 4.	Make Applications Free from Port Restriction by DMZ         Make Xbox Online Games Run Smoothly by UPnP	
Chap	ter 15.VPN Server&Client	87
15. 1.	Use OpenVPN to Access Your Home Network	
15. 2.		
	Use L2TP/IPSec VPN to Access Your Home Network	
15. 4.	Use VPN Client to Access a Remote VPN Server1	01
Chap	ter 16.Customize Your Network Settings1	06
16. 1.	Change the Internet Settings1	07
16. 2.	Change the LAN Settings1	09
16. 3.	Configure to Support IPTV Service1	09
16.4.	Specify DHCP Server Settings1	11
16. 5.	Set Up a Dynamic DNS Service Account1	
16. 6.	Create Static Routes1	13
Chap	ter 17.Manage the Router1	16
17.1.	Update the Firmware1	17
	17. 1. 1.Auto Update	17
	17. 1. 2.Online Update	17
	17. 1. 3.Local Update	18
17.2.	Backup and Restore Configuration Settings1	19
17.3.	Change the Login Password1	20
17.4.	Password Recovery1	21
17.5.	Local Management1	22
17.6.	Remote Management1	23
17.7.	System Log1	25
17.8.	Test the Network Connectivity1	27
17.9.	Set System Time and Language1	29
	. Set the Router to Reboot Regularly1	
	. Control the LED	
17.12	. Volume Control	33
FAQ.		34

## **About This Guide**

This guide is a complement of Quick Installation Guide. The Quick Installation Guide instructs you on quick internet setup, and this guide provides details of each function and shows you the way to configure these functions appropriate to your needs.

Note: Features available in the router may vary by model and software version. Router availability may also vary by region or ISP. All images, steps, and descriptions in this guide are only examples and may not reflect your actual Router experience.

#### Conventions

Convention	Description
Underlined	Underlined words or phrases are hyperlinks. You can click to redirect to a website or a specific section.
Teal	Contents to be emphasized and texts on the web page are in teal, including the menus, items, buttons, etc.
>	The menu structures to show the path to load the corresponding page. For example, Advanced > System > Firmware Update means the Firmware Update page is under the System menu that is located in the Advanced tab.
Note:	Ignoring this type of note might result in a malfunction or damage to the device.
<i>⊘</i> Tips:	Indicates important information that helps you make better use of your device.
symbols on the web page	<ul> <li>Click to edit the corresponding entry.</li> <li>Click to delete the corresponding entry.</li> <li>Click to enable or disable the corresponding entry.</li> <li>Click to view more information about items on the page.</li> </ul>

In this guide the following conventions are used:

#### More Info

The latest software, management app and utility can be found at Download Center at <a href="https://www.tp-link.com/support/download">https://www.tp-link.com/support/download</a>.

The Quick Installation Guide can be found where you find this guide or inside the package of the router.

Specifications can be found on the product page at <a href="https://www.tp-link.com">https://www.tp-link.com</a>.

TP-Link Community is provided for you to discuss our products and share knowledge at <a href="https://community.tp-link.com">https://community.tp-link.com</a>.

Our Technical Support contact information can be found at the Contact Technical Support page at <a href="https://www.tp-link.com/support">https://www.tp-link.com/support</a>.

- \* Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) client limitations, including rated performance, location, connection, quality, and client condition.
- \* Use of Wi-Fi 6 (802.11ax), Wi-Fi 6E, and features including OFDMA, 1024-QAM, and HE160 require clients to also support the corresponding features. Seven 160MHz channels may not be all available in the 6 GHz band in some regions/countries due to regulatory restrictions.
- \* Saving clients' battery power requires clients to also support the 802.11ax Wi-Fi standard. Actual power reduction may vary as a result of network conditions, client limitations, and environmental factors.
- \* HomeShield includes the Free Basic Plan. Fees apply for the Pro Plan. Visit **tp-link.com/homeshield** for more information.
- \* Use of WPA3 requires clients to also support the corresponding feature.
- \* This router may not support all the mandatory features as ratified in Draft 3.0 of IEEE 802.11ax specification.
- \* Further software upgrades for feature availability may be required.
- \* Actual network speed may be limited by the rate of the product's Ethernet WAN or LAN port, the rate supported by the network cable, Internet service provider factors and other environmental conditions.

## Get to Know About Your Router

TP-Link Wi-Fi 7 router, with the 802.11be Wi-Fi technology and the brand-new 6 GHz band, achieves Wi-Fi performance at its ultimate level. The new features of Wi-Fi 7 and 4k QAM dramatically improve throughput and increase capacity and efficiency of the whole network. Access to the 6 GHz band brings more bandwidth, faster speeds, and lower latency, opening up resources for future innovations.

Moreover, it is simple and convenient to set up and use the TP-Link router due to its intuitive Tether app and powerful web interface.

## **Connect the Hardware**

This chapter contains the following sections:

- Position Your Router
- <u>Connect Your Router</u>

## 2.1. Position Your Router

- The product should not be located in a place where it will be exposed to moisture or excessive heat.
- Place the router in a location where it can be connected to multiple devices as well as to a power source.
- Make sure the cables and power cord are safely placed out of the way so they do not create a tripping hazard.
- The router can be placed on a shelf or desktop.
- Keep the router away from devices with strong electromagnetic interference, such as Bluetooth devices, cordless phones and microwaves.
- Generally, the router is placed on a horizontal surface, such as on a shelf or desktop.

## 2.2. Connect Your Router

- 1. Connect the router's WAN port to the internet.
- 2. Connect the power adapter to the router and turn on the router.
- 3. Wait until the LED turns solid on before moving on.
- 4. Connect your computer to the router.
- Method 1: Wired

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Turn off the Wi-Fi on your computer and connect the devices to the LAN port of your router.

- Method 2: Wirelessly
  - 1) Find the SSIDs (Network Names) and Wireless Password printed on the label at the bottom of the router.
  - 2) Click the network icon of your computer or go to Wi-Fi Settings of your smart device, and then select the SSID to join the network.

#### Computer Smart Device 44 < Settings Wi-Fi Connections are available Wi-Fi Wireless Network Connection CHOOSE A NETWORK ... TP-Link\_XXXX att OR TP-Link\_XXXX\_5G all TP-Link\_XXXX TP-Link\_XXXX\_6G -ath TP-Link XXXX 5G TP-Link XXXX 6G ✓ Connect automatically Connect Other... R

## Log In to Your Router

With a web-based utility, it is easy to configure and manage the router. The web-based utility can be used on any Windows, Mac OS or UNIX OS with a Web browser, such as Microsoft Internet Explorer, Mozilla Firefox or Apple Safari.

Follow the steps below to log in to your router.

- 1. Set up the TCP/IP Protocol in Obtain an IP address automatically mode on your computer.
- 2. Visit <u>http://tplinkwifi.net</u>, and create a login password for secure management purposes. Then click Let's Get Started to log in.

**Note:** If the login window does not appear, please refer to the <u>FAQ</u> Section.

→ σ ň ⊖ bmp//t	piniwatt.opt	1
	Create an admissibilitator password. For security prepares, make 4 tool personnel ( for security prepares).	
	New Personnt	
	Control PassaverE (5	
	And Decision	

## **Set Up Internet Connection**

This chapter introduces how to connect your router to the internet. The router is equipped with a web-based Quick Setup wizard. It has necessary ISP information built in, automates many of the steps and verifies that those steps have been successfully completed. Furthermore, you can also set up an IPv6 connection if your ISP provides IPv6 service.

It contains the following sections:

- Use Quick Setup Wizard
- Quick Setup Via TP-Link Tether App
- <u>Manually Set Up Your Internet Connection</u>
- <u>Set Up the Router as an Access Point</u>
- <u>Set Up an IPv6 Internet Connection</u>

## 4.1. Use Quick Setup Wizard

The Quick Setup Wizard will guide you to set up your router.

Ø Tips:

If you need the IPv6 internet connection, please refer to the section of Set Up an IPv6 Internet Connection.

Follow the steps below to set up your router.

- 1. Visit <u>http://tplinkwifi.net</u>, and log in with the password you set for the router.
- Follow the step-by-step instructions to complete Quick Setup configuration or go to Advanced > Quick Setup for configuration to connect your router to the internet. Then follow the step-by-step instructions to connect your router to the internet.
- 3. To enjoy a more complete service from TP-Link (remote management, TP-Link DDNS, and more.), log in with your TP-Link ID or click Sign Up Now to get one. Then follow the instructions to bind the cloud router to your TP-Link ID.

Log in ki tun	Get TP-Link Cl	loud Service
		f of the talest finimare updates an
	TP Link ID (Linal).	
	Password.	
	1001	
	Sign Up Now 1	orgot Password?

Note:

- To learn more about the TP-Link Cloud service, please refer to the <u>TP-Link Cloud Service</u> section.
- If you do not want to register a TP-Link ID now, you may click Skip to proceed.
- If you have changed the preset wireless network name (SSID) and wireless password during the Quick Setup process, all your wireless devices must use the new SSID and password to connect to the router.

### 4.2. Quick Setup Via TP-Link Tether App

The Tether app runs on iOS and Android devices, such as smartphones and tablets.

1. Launch the Apple App Store or Google Play store and search "TP-Link Tether" or simply scan the QR code to download and install the app.



2. Launch the Tether app and log in with your TP-Link ID. Note: If you don't have a TP-Link ID, create one first.

- 3. Tap the + button and select Router > Wireless Router. Follow the steps to complete the setup and connect to the internet.
- 4. Connect your devices to the newly configured wireless networks of the router and enjoy the internet!

## 4.3. Manually Set Up Your Internet Connection

In this part, you can check your current internet connection settings. You can also modify the settings according to the service information provided by your ISP.

Follow the steps below to check or modify your internet connection settings.

- 1. Visit <u>http://tplinkwifi.net</u>, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Internet.
- 3. Select a port for internet service. Make sure the cable is securely connected to this port on your router.



4. Select your internet connection type from the drop-down list.

Internet		
Set up an internet connection with the se	srvice information provid	led by your ISP (internet service provide
Internet Connection Type:	Dynamic IP	~
	Select this type if your internet connection.	ISP doesn't provide any information for

5. Follow the instructions on the page to continue the configuration. Parameters on the figures are just used for demonstration.

1) If you choose Dynamic IP, you need to select whether to clone the MAC address. Dynamic IP users are usually equipped with a cable TV or fiber cable.

Internet		
Set up an internet connection with the se	ervice information provided by your IS	P (internet service provider).
Internet Connection Type:	Dynamic IP V	
	Select this type if your ISP doesn't internet connection.	provide any information for
Set the MAC address of your router. Use only a specific MAC address.	e the default address unless your ISP	allows internet access from
MAC Clone		
Barder 1110 1444		
Router MAC Address:	Use Default MAC Address	

2) If you choose Static IP, enter the information provided by your ISP in the corresponding fields.

nternet	
ier up an informit connection with the s	ervice information provided by your 1979 (informed service provide
Internet Connection Type	State P
	detect this type it your ISP provides specific IP parameters.
IP Address	
Bubnet Mask	
Defaut Galeway	
Primary DNB	
Secondary DNS	(Cateriority)

3) If you choose PPPoE, enter the username and password provided by your ISP. PPPoE users usually have DSL cable modems.

Internet		
Set up an internet connection with the se	ervice information provided by your IS	P (internet service provider).
	220-2	
Internet Connection Type:	PPPoE V	
	Select this type if your ISP only prov password.	ides a username and
Username:		
Password:	Ø	

4) If you choose L2TP, enter the username and password and choose the Secondary Connection provided by your ISP. Different parameters are needed according to the Secondary Connection you have chosen.

er op en merner omnoenen min me a	ervice information provided by your ISP	function activitie broader
Internet Connection Type:	L2TP V	
	Select this type if your ISP provides L information and an account. Some IS parameters.	
Username:		
Password:	Ø	
	Oynamic IP	
	<ul> <li>Static IP</li> </ul>	
VPN Server IP/Domain Name:		

5) If you choose PPTP, enter the username and password, and choose the Secondary Connection provided by your ISP. Different parameters are needed according to the Secondary Connection you have chosen.

Internet		
Set up an internet connection with the s	ervice information provided by your ISP	(internet service provider)
Internet Connection Type:	PPTP V	
	Select this type if your ISP provides P information and an account. Some ISI parameters.	
Username:		
Password:	i Ø	
	Dynamic IP	
	<ul> <li>Static IP</li> </ul>	
VPN Server IP/Domain Name:		

#### 6. Click SAVE.

- Ø Tips:
- If you use Dynamic IP and PPPoE and you are provided with any other parameters that are not required on the page, please go to Advanced > Network > Internet to complete the configuration.
- If you still cannot access the internet, refer to the FAQ section for further instructions.

### 4.4. Set Up the Router as an Access Point

The router can work as an access point, transforming your existing wired network to a wireless one.

- 1. Visit <u>http://tplinkwifi.net</u>, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Advanced > System > Operation Mode, select Access Point and click SAVE. The router will reboot and switch to Access Point mode.

Operation Mode	
Select an operation mode according to your tweds.	
Wireless Router Mode (Current)	
In this mode, the router can provide internet access for multiple wired and wi is required most commonly.	indess devices. This mode
	*
¥ ,	
<ul> <li>Address Point Mode</li> <li>In this mode, the router changes an existing wired (Ethernet) network into a</li> </ul>	wireless one.
A	°D.
₩ <u></u> <del>H</del>	EÖ

- 3. After rebooting, connect the router to your existing wired router via an Ethernet cable.
- 4. Log in again to the web management page <a href="http://tplinkwifi.net">http://tplinkwifi.net</a>, and go to Advanced <a href="http://tplinkwifi.net">Advanced</a> <a href="http://tplinkwifi.net">Quick Setup</a>.
- 5. Configure your wireless settings and click Next.
- 6. Confirm the information and click SAVE. Now, you can enjoy Wi-Fi.
- Ø Tips:

• Functions, such as Parental Controls, QoS and NAT Forwarding, are not supported in the Access Point mode.

• Functions, such as Guest Network, are the same as those in the Router mode.

### 4.5. Set Up an IPv6 Internet Connection

Your ISP provides information about one of the following IPv6 internet connection types: PPPoE, Dynamic IP(SLAAC/DHCPv6), Static IP, 6to4 tunnel, Pass-Through (Bridge).

- 1. Visit <u>http://tplinkwifi.net</u>, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Advanced > IPv6.
- 3. Enable IPv6 and select the internet connection type provided by your ISP.

```
Ø Tips:
```

If you do not know what your internet connection type is, contact your ISP or judge according to the already known information provided by your ISP.

#### 4. Fill in information as required by different connection types.

1) Static IP: Fill in blanks and click SAVE.

Pv6 Internet		
el up an 1946 minimet connoction urang	the more previous by the	ur /SP (internet service provide
IPv6	0	
Internet Connection Type	Static (P	· 92
IFv6 Address		
Default Gateway		
Primary DNB.		
Secondary DNS		
MTU Size.	1500	
	layles. (The default is 1000, d	a kult change saliens Necessary

2) Dynamic IP(SLAAC/DHCPv6): Click Advanced to input further information if your ISP requires. Click SAVE and then click Renew.

Pv6 Internet let up an IPv6 internet connection using	g the information provided by your ISP (	internet service provider)
IPv6:		
Internet Connection Type:	Dynamic IP(SLAAC/DHCPv6) V	
IPv6 Address:		
Primary DNS:		
Secondary DNS:		
	RENEW	
	Advanced Settings	

3) PPPoE: By default, the router uses the IPv4 account to connect to the IPv6 server. Click Advanced to input further information if your ISP requires. Click SAVE and then click Connect.

#### Note:

If your ISP provides two separate accounts for the IPv4 and IPv6 connections, manually enter the username and password for the IPv6 connection.

Pv6 internet	
Fet up an IPV6 internet connection using	the information travelent pa Aone (the (injurnet reasons traveler)
IPv8	
Internet Connection Type	PPPoE 🗸
	. Share be pare 1995 given at the
Utername	
Password	
IPv6 Address	
	<ul> <li>Advanced belongs</li> </ul>
	CONNECT.

4) 6to4 Tunnel: An IPv4 internet connection type is a prerequisite for this connection type (Manually Set Up Your Internet Connection). Click Advanced to input further information if your ISP requires. Click SAVE and then click Connect.

IPv6 Internet		
Set up an IPv6 internet connection usin	g the information provided by your ISP	(internet service provider).
IPv6:		
Internet Connection Type:	6to4 Tunnel $\sim$	
IPv4 Address:	0.0.0.0	
IPv4 Subnet Mask:	0.0.0.0	
IPv4 Default Gateway:	0.0.0.0	
TUNNEL ADDRESS:		
	Advanced Settings	
	CONNECT	

5) Pass-Through (Bridge): Click SAVE and skip to Step 6.

IPv6 Internet		
Red up an IP-M internet connection using	) the information provided by yo	net 1946. (Asymmetrialitization: Secongeto)
IPvs		
Infernet Connection Type	Date Thomas (Bridges)	· •

5. Configure LAN ports. Windows users are recommended to choose from the first two types. Fill in Address Prefix provided by your ISP, and click SAVE.

IPV6 LAN	
Configure the LAN IPV8 address of the realiants	outer and set the configuration type to assign 1%8 addresses to the
Assigned type.	O ND Prov
	O DHCI V8
	SLAAC+Stateless DHCP
	○ SLAAC+RONSS
Address Prets.	/34
Address.	HE80.20A EBHF.HE13.7800804

6. Click Status to check whether you have successfully set up an IPv6 connection.

*Tips:*Visit the <u>FAQ</u> section if there is no internet connection.

## **TP-Link Cloud Service**

TP-Link Cloud service provides a better way to manage your cloud devices. Log in to your router with a TP-Link ID, and you can easily monitor and manage your home network when you are out and about via the Tether app. To ensure that your router stays new and gets better over time, the TP-Link Cloud will notify you when an important firmware upgrade is available. Surely you can also manage multiple TP-Link Cloud devices with a single TP-Link ID.

This chapter introduces how to register a new TP-Link ID, bind or unbind TP-Link IDs to manage your router, and the Tether app with which you can manage your home network no matter where you may find yourself.

It contains the following sections:

- Register a TP-Link ID
- <u>Change Your TP-Link ID Information</u>
- Manage the User TP-Link IDs
- Manage the Router via the TP-Link Tether App

### 5.1. Register a TP-Link ID

If you have skipped the registration during the Quick Setup process, you can:

- 1. Visit <u>http://tplinkwifi.net</u>, and log in with the password you set for the router.
- 2. Go to Advanced > TP-Link ID or click TP-Link ID on the very top of the page.
- 3. Click Sign Up and follow the instructions to register a TP-Link ID.

TP-Link ID		
Log m to bind the router to more.	your TP Link ID, You	can remotely manage your network via the fether ap
	TP-Link ID (Fr	nall)
	Password.	4
	-	ø
		Log In
	Sign Lip	Forgot Password?

- 4. After activating your TP-Link ID, come back to the TP-Link ID page to log in. The TP-Link ID used to log in to the router for the first time will be automatically bound as an Admin.
- Note:
- To learn more about the Admin and User TP-Link ID, refer to Manage the User TP-Link IDs.
- Once you have registered a TP-Link ID on the web management page, you can only register another TP-Link ID via the Tether APP. Please refer to Manage the Router via the TP-Link Tether App to install the app.
- If you want to unbind the admin TP-Link ID from your router, please go to Advanced > TP-Link ID, an click Unbind in the Device Information section.

## 5.2. Change Your TP-Link ID Information

Follow the steps below to change your email address and password of your TP-Link ID as needed.

- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID.
- 2. Go to Advanced > TP-Link ID, and focus on the Account Information section.
- To change your email address:
- 1. Click 🥂 behind the Email.
- 2. Enter the password of your TP-Link ID, then a new email address. And click SAVE.

Change E	imail	Θ
Passw	ord	)
New E	imail	)
	Save	
	email or password ync to client devices ly, Please log in again	

- To change your password:
- 1. Click 🥂 behind the Password.

2. Enter the current password, then a new password twice. And click SAVE.

### 5.3. Manage the User TP-Link IDs

The TP-Link ID used to log in to the router for the first time will be automatically bound as the Admin account. An admin account can add or remove other TP-Link IDs to or

from the same router as Users. All accounts can monitor and manage the router locally or remotely, but user accounts cannot:

- Reset the router to its factory default settings either on the web management page or in the Tether app.
- Add/remove other TP-Link IDs to/from the router.

#### 5. 3. 1. Add TP-Link ID to Manage the Router

- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID.
- 2. Go to Advanced > TP-Link ID, and focus on the Bound Accounts section.

#### 3. Click 🕂 Bind, enter another TP-Link ID as needed and click SAVE.

**Note:** If you need another TP-Link ID, please register a new one via the Tether app. Refer to <u>Manage the Router via the</u> <u>TP-Link Tether App</u> to install the app and register a new TP-Link ID.

Add Account	8
Cancel	Save

4. The new TP-Link ID will be displayed in the Bound Accounts table as a User.

				🔘 filos 😑 Veibing
D	1D	Emai	Binding Date	Role
0	1	Press, metrican		Admin
D)	2	discount of the particular of		Ubar-

#### 5. 3. 2. Remove TP-Link ID(s) from Managing the Router

- 1. Visit <u>http://tplinkwifi.net</u>, and log in with your TP-Link ID.
- 2. Go to Advanced > TP-Link ID, and focus on the Bound Accounts section.
- 3. Tick the checkbox(es) of the TP-Link ID(s) you want to remove and click Unbind.

ound	Accos	ints		
				O find O Webind
0	ID	Email	Binding Date	Role
D.	10	Pergel, middle.com		Admin
R	2	An		Quer.

## 5.4. Manage the Router via the TP-Link Tether App

The Tether app runs on iOS and Android devices, such as smartphones and tablets.

1. Launch the Apple App Store or Google Play store and search "TP-Link Tether" or simply scan the QR code to download and install the app.



2. Launch the Tether app and log in with your TP-Link ID.

**Note:** If you don't have a TP-Link ID, create one first.

- 3. Connect your device to the router's wireless network.
- 4. Go back to the Tether app, select the model of your router and log in with the password you set for the router.
- 5. Manage your router as needed.
- Note: If you need to remotely access your router from your smart devices, you need to:
- Log in with your TP-Link ID. If you don't have one, refer to Register a TP-Link ID.
- Make sure your smartphone or tablet can access the internet with cellular data or a Wi-Fi network.

## **Network Map**

Network Map outlines device connectivity of your network visually and helps you manage general settings of the network.

- 1. Visit <u>http://tplinkwifi.net</u>, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Network Map.
- 3. Click each network device icon to check and manage general network settings.
- Click Internet to check internet status.

<b>(()</b> -	Щ 👯		
	state fam."	Mesh Devices	Clem
Internet Status			
Correction Type	Dynamic (P	Internet IP Addresse	102.103.00.101
WWW MAC Address	00-0A-EB-13-7B-74	Onlive Duration	5.77871-299

• Click the router to check device status and network settings. You can turn on or off the wireless network or guest network, or click Edit to change related settings.

bitarrat.	Arther AXE200 Crivel	Mesh Davkes	Cierts
Router Information			
Device Name	100-00000	PH LAV P	162,308.0.1
LAN MAC Address.	00-0A-EB-13-78-00	IPVE LAN IP	FERO 204,88/11 FE13,7800 04
Wisless			(3 m)
2.40Hz Witeless	•	50Hz Wireles	0
Network Name (SSRD)	TF-LINK OTCA	Network Name (50/0)	TP-Lim_0/0A_50
Panesset	80040098	Passecrtt	50249558
(Ziamet	Auto (Current: 8)	Channel:	Auto (Dummer: 411)
GGHz Wireless			
Network Hisime (20340)	TP-LXNC/07CA_00		
Paneward	80049398		
Charolet	Auto (Current, 185)		
Guest Network			(3 m
2.4GHz Wireless		50Hz Wireless	
Network Name (SSRC)	TP-LKR_DUMIL_STCA	Network Norre (STMD)	TPLINE, GLIEBE, BTCA, SG
GGHz Winsteins			
Network Name (SSID)	TPUIN, Gast, DTCA, RG		
Performance			
CPU Lost	Garwet, etc.	Memory Usage	Camere, 45%
CPU Carel Number: 4	9		
Elbernet Status			

• Click Mesh Devices to view the devices that form a mesh network with the router.

e	<b></b>	Archer AXE20			Cheris
Mesh D	evices				
7/24	7,5%	Marrie	MAC Address	Location	Glatus
4	RENOSA	REBOOK	14-EB-80-27-87-A0	Other	Connected

 Click Clients to view the client devices in your network. You can block devices so they cannot access your network, or set Speed Limit to limit their upload and download speeds.

<b>A</b>		÷	and the second s	4	E	
internet.	Anther AX8200 Dr		Mest Devices		10	
Connected Clients					1	e farie
Device Info	Redi-time Rate	Tx/Rx Rele(Migs)	Duration	Speed L3	H.	Block
HS912K11AG2 HCSAND ARCIN () HIS 186 C 196 ()	1 0.45%	(721)/84	1.000	-	ø	0
W2K11AC Z	↑ 2.8 Kins	-	f min.		13	0

#### To limit the speeds of a device:

- 1. Click 🗹 in the Speed Limit column.
- 2. Enable Speed Limit.
- 3. Set the download and upload speed limit according to your needs.
- 4. Click SAVE. The speeds of the device will be limited.

SUCCESSION	Speed Limit			×	in the second se
Connec	Land the excession speed and lands	i s <b>jonel</b> for this stealor.			(Seaso
Dentile	Revent Limit				Biox
۵.	Download Speed Limit	TARES Visit Internet of Annual	U Ing emails, insering backet rived	19;	0
-	Upload Speed Limit	200 A2pe			0

## **Wireless Settings**

This chapter guides you on how to configure the wireless settings.

It contains the following sections:

- <u>Specify Wireless Settings</u>
- <u>Schedule Your Wireless Function</u>
- Use WPS for Wireless Connection
- Advanced Wireless Settings

## 8.1. Specify Wireless Settings

The router's wireless network names (SSIDs), password, and security option are preset in the factory. The preset SSIDs and password can be found on the label of the router. You can customize the wireless settings according to your needs.

- 1. Visit <u>http://tplinkwifi.net</u>, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Wireless or Advanced > Wireless > Wireless Settings.

nonalize bettrogs for each based or or (granishis	uiter timari Connect lo configure the sa	nine settings for 2 #GHz and
тит	🗇 Enable 📀	
OFDMAMU-MMD	Disable ~	
Smart Connect	Eriable 🕖	
2.4GHz	C tinatie	Grass Network
Network Name (390)	TH-LINR_07CA	Hide SSID
Security:	WPW2:PERQAERI	
Passwort	90249555	
Channel With:	20/40MH2 ~	
Channel	Auto 🗸	
Mode	802.115/gm/ax mixed 🕓	
SGHz	Enable:	State Network
Network Name (SSIC)	TP-LINK_OTCA_SG	THRE SSID
Security.	WPA2-PSIQAE9]	
Passworth	50240556	
Channel Width	20140/80/1604/982	
Channel	Auto	
	The charmel wells and charmel point UFB charmets. This will require some regulatory radae detection requirement	warning time to most
Mode.	602.11am/ac/as mixed	
60Hz	C Enable	Share Netwink
Network Name (BSID)	TP-LER_07CA_6G	Hide SSID
Security	WPA3-Personal v	
Pasaword	50249558	
Channel Wath	20/20/80/160MHz ~	
Channel	Enable PSC O	
	Azio 🗸	
Mode	802 thas drily	

#### • To enable or disable OFDMA:

OFDMA enables multiple users to transmit data simultaneously, and thus greatly improves speed and efficiency. Noted that only when your clients also support OFDMA, can you fully enjoy the benefits. It is disabled by default.

1. Go to Advanced > Wireless > Wireless Settings.

#### 2. Enable OFDMA+MU-MIMO or OFDMA only.

#### • To enable or disable TWT:

TWT (Target Wake Time) allows 802.11ax routers and clients to negotiate their periods to transmit and receive data packets. Clients only wake up at TWT sessions and remain in sleep mode for the rest of the time, which significantly extend their battery life. It is disabled by default.

1. Go to Advanced > Wireless > Wireless Settings.

2. Enable TWT.

#### • To use the Smart Connect function:

Smart Connect combines the 2.4 GHz and 5 GHz bands and assigns your devices between them to balance network demands, while leaving the brand-new 6 GHz band exclusive for your Wi-Fi 6E devices to unleash the most out of the latest Wi-Fi.

- 1. Go to Advanced > Wireless > Wireless Settings.
- 2. Enable Smart Connect.



- 3. Keep the default values or set a new SSID and password, and click SAVE. This SSID and password will be applied for the 2.4 GHz and 5 GHz wireless networks. If you want to configure the wireless settings separately for each band, deselect the checkbox to disable this feature.
- To enable or disable the wireless function:
- 1. Go to Wireless or Advanced > Wireless > Wireless Settings.
- 2. The wireless bands are enabled by default. If you want to disable a wireless band, just deselect its Enable checkbox.
- To change the wireless network name (SSID) and wireless password:
- 1. Go to Wireless or Advanced > Wireless > Wireless Settings.
- 2. Create a new SSID in Network Name (SSID) and customize the password for the network in Password. The value is case-sensitive.

**Note:** If you change the wireless settings with a wireless device, you will be disconnected when the settings are effective. Please write down the new SSID and password for future use.

#### • To hide SSID:

- 1. Go to Wireless or Advanced > Wireless > Wireless Settings.
- 2. Select Hide SSID, and your SSID won't display when you scan for local wireless networks on your wireless device and you need to manually join the network.

#### • To change the security option:

- 1. Go to Advanced > Wireless > Wireless Settings.
- 2. Select an option from the Security drop-down list. We recommend you don't change the default settings unless necessary.
- To change the transmit power:
- 1. Go to Advanced > Wireless > Wireless Settings.
- 2. Select an option from the Transmit Power drop-down list: High, Middle or Low. The default and recommended setting is High.

#### • To change channel settings:

- 1. Go to Advanced > Wireless > Wireless Settings.
- 2. Select a Channel Width (bandwidth) for the wireless network. It is recommended to just leave it as default.
- 3. Select an operating Channel for the wireless network. It is recommended to leave the channel to Auto if you are not experiencing the intermittent wireless connection issue.

For the 6 GHz network, you can select the Enable PSC checkbox. When PSC (Preferred Scanning Channel) is enabled, only channels with higher connectivity will be reserved to ensure 6 GHz device connections.

- To change the transmission mode:
- 1. Go to Advanced > Wireless > Wireless Settings.
- 2. For the 2.4 GHz and 5 GHz networks, disable Smart Connect, then select a transmission Mode according to your wireless client devices. It is recommended to just leave it as default.

The 6 GHz network only supports 802.11ax mode, which cannot be changed.

### 8.2. Schedule Your Wireless Function

The wireless network can be automatically off at a specific time when you do not need the wireless connection.

- 1. Visit <u>http://tplinkwifi.net</u>, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Advanced > Wireless > Wireless Schedule.
- 3. Enable the Wireless Schedule feature.

Wireless Schedule
Schedule when to automatically turn off your wireless network.
Wireless Schedule: 🗹 Enable

4. Click Add to specify a wireless off period during which you need the wireless off automatically, and click SAVE.

					×
10	÷	PM	( N)		
6	×	ALI	× 1	nux day)	
(5)	(1)	0	0	0	(5)
			CANCEL		DAVE
	10 6 3	6 ~	6 AM		

Note:

- The Effective Time Schedule is based on the time of the router. You can go to Advanced > System > Time & Language to modify the time.
- The wireless network will be automatically turned on after the time period you set.

### 8.3. Use WPS for Wireless Connection

Wi-Fi Protected Setup (WPS) provides an easier approach to set up a security-protected Wi-Fi connection.

- 1. Visit <u>http://tplinkwifi.net</u>, and log in with your TP-Link ID or the password you set for the router.
- 2. Make sure the Wi-Fi of your router is on and go to Advanced > Wireless > WPS.

#### 8.3.1. Connect via the Client's PIN

Enter the PIN of your device and click Connect. Then your device will get connected to the router.

WPS:	
Method 1:	Using a PIN
	Client's PIN
	<ul> <li>Router's PIN</li> </ul>
	Enter your personal device's PIN here and click CONNECT
	CONNECT
	CONNECT

#### 8. 3. 2. Connect via the Router's PIN

Select Router's PIN in Method 1 to enable Router's PIN. You can use the default PIN or generate a new one.

Router's PIN:	
	Enter the router's PIN on your personal device. Router's PIN: 38337406
	GET NEW PIN
	DEFAULT

Note:

PIN (Personal Identification Number) is an eight-character identification number preset to each router. WPS supported devices can connect to your router with the PIN. The default PIN is printed on the label of the router.

#### 8.3.3. Push the WPS Button

Click Start on the screen or directly press the router's WPS button. Within two minutes, enable WPS on your personal device. Success will appear on the screen and the WPS LED of the router should change from flashing to solid on, indicating successful WPS connection.

Method 2:	Using the button below
	Click the button below, then enable WPS on your personal device within 2 minutes.
	Start
Method 3:	Using the router's WPS button
	Press the router's WPS button, then enable WPS on your personal device within 2 minutes.

## 8.4. Advanced Wireless Settings

Check advanced wireless settings for your device.

- 1. Visit <u>http://tplinkwifi.net</u>, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Advanced > Wireless > Additional Settings.
- 3. Configure advanced wireless settings.

toord addressed to support and the set	or theory	
nock advanced weekens wellings for yo	8.90399	
WIND	🖸 Enable	
AP isolation:	Enable	
Alitime Faroess.	Enatrie	
Zero Wat DFS	🖸 Enative	
Beacon Interval	100	
RTS Threshold.	2346	
DITIM Interval	1	
Group Key Update Perilod.	0	<u>a</u> )

• WMM - WMM function can guarantee the packets with high-priority messages being transmitted preferentially.

- AP Isolation This function isolates all connected wireless stations so that wireless stations cannot access each other through WLAN.
- Airtime Fairness This function can improve the overall network performance by sacrificing a little bit of network time on your slow devices.
- Zero Wait DFS Zero Wait DFS (Dynamic Frequency Selection) allows the router to immediately reselect a new channel once the radar signal is detected on a channel allocated to radar devices to ensure lag-free network experience.
- Beacon Interval Enter a value between 40 and 1000 in milliseconds to determine the duration between beacon packets that are broadcasted by the router to synchronize the wireless network. The default value is 100 milliseconds.
- RTS Threshold- Enter a value between 1 and 2346 to determine the packet size of data transmission through the router. By default, the RTS (Request to Send) Threshold size is 2346. If the packet size is greater than the preset threshold, the router will send RTS frames to a particular receiving station and negotiate the sending of a data frame.
- DTIM Interval The value determines the interval of DTIM (Delivery Traffic Indication Message). Enter a value between 1 and 15 intervals. The default value is 1, which indicates the DTIM Interval is the same as Beacon Interval.
- Group Key Update Period Enter a number of seconds (minimum 30) to control the time interval for the encryption key automatic renewal. The default value is 0, meaning no key renewal.

## **Guest Network**

This function allows you to provide Wi-Fi access for guests without disclosing your main network. When you have guests in your house, apartment, or workplace, you can create a guest network for them. In addition, you can customize guest network options to ensure network security and privacy.

It contains the following sections:

- <u>Create a Network for Guests</u>
- <u>Customize Guest Network Options</u>

### 9.1. Create a Network for Guests

- 1. Visit <u>http://tplinkwifi.net</u>, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Advanced > Wireless > Guest Network or click Wireless on the top page. Locate the Guest Network section.
- 3. Create a guest network as needed.
  - 1) Tick the Enable checkbox for the 2.4GHz, 5 GHz-1, 5GHz-2 or 6GHz wireless network.
  - 2) Customize the SSID. Don't select Hide SSID unless you want your guests to manually input the SSID for guest network access.
  - 3) Enable Bandwidth Control if you want to limit the network speed of your guests. Then enter the limited bandwidth value.
  - 4) Set the effective time to keep the guest network.
  - 5) Select the Security type and customize your own password. If No security is selected, no password is needed to access your guest network.

Guest Network		
Enable the wireless bands you want you	rguests to use and complete the i	related information
2.4GHz.	Enable	Share Network
Network Name (SSID):	TP4 Ink_Guest_07CA	E Hide SSID
Bandwidth Control	<ul> <li>Enable</li> </ul>	
Download Bandwidth.	10 1	Mbps
Upload Bandwidth.	2 1	Mbps
6GHz.	🗍 Lnable	Share Network
6GHz <sup>-</sup>	Enable	Share Network
Effective Time.	No Limit	~
Security.	No Gecunity	~
	This security type is not consider more secure encryption.	ered secure. Consider selecting a

- 4. Click SAVE. Now your guests can access your guest network using the SSID and password you set!
- 5. You can also click Sharing Network to share the SSID and password to your guests.



#### Ø Tips:

To view guest network information, go to Network Map and locate the Guest Network section. You can turn on or off the guest network function conveniently.

### 9.2. Customize Guest Network Options

- 1. Visit <u>http://tplinkwifi.net</u>, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Advanced > Wireless > Guest Network. Locate the Guest Permissions section.
- 3. Customize guest network options according to your needs.

Guest Permissions	
Control the data that gue	ils can access.
	Allow guests to see each other
	Allow guests to access your local network

#### Allow guests to see each other

Tick this checkbox if you want to allow the wireless clients on your guest network to communicate with each other via methods such as network neighbors and Ping.

• Allow guests to access your local network

Tick this checkbox if you want to allow the wireless clients on your guest network to communicate with the devices connected to your router's LAN ports or main network via methods such as network neighbors and Ping.

4. Click SAVE. Now you can ensure network security and privacy!

## **USB Settings**

This chapter describes how to use the USB ports to share files and media from the USB storage devices over your home network locally, or remotely through the internet.

The router supports USB external flash drives and hard drives.

It contains the following sections:

- <u>Access the USB Storage Device</u>
- Media Sharing
- Time Machine

### 10.1. Access the USB Storage Device

Insert your USB storage device into the router's USB port and then access files stored there locally or remotely.

Ø Tips:

- If you use USB hubs, make sure no more than 4 devices are connected to the router.
- If the USB storage device requires using bundled external power, make sure the external power has been connected.
- If you use a USB hard drive, make sure its file system is FAT32, exFat, NTFS or HFS+.
- Before you physically disconnect a USB device from the router, safely remove it to avoid data damage: Go to Advanced
   > USB > USB Storage Device and click Remove.

#### 10. 1. 1. Access the USB Device Locally

Insert your USB storage device into the router's USB port and then refer to the following table to access files stored on your USB storage device.

	Method 1:
	Go to Computer > Network, then click the Network Server Name (TP- SHARE by default) in the Computer section.
	<b>Note:</b> Operations in different systems are similar. Here we take Windows 7 as an example.
	G N + Network +
	File Edit View Tools Help
Windows	Organize  Metwork and Sharing Center Add a printer
computer	Favorites Computer (3)
	Libraries IP-SHARE
	- Media Devices (1)
	14 Computer
	Network Infrastructure (1)
	Andrea (100

Windows computer	<ul> <li>Method 2:</li> <li>Open the Windows Explorer (or go to Computer) and type the server address \tplinkwifi.net or ftp://tplinkwifi.net in the address bar, then press Enter.</li> </ul>
Мас	<ol> <li>Select Go &gt; Connect to Server.</li> <li>Type the server address smb://tplinkwifi.net.</li> <li>Click Connect.</li> <li>Click Connect.</li> <li>Image: a server address and a password to deny anonymous access to the USB disks, you should select the Registered User radio box. To learn how to set up an account for the access, refer to To Set Up Authentication for Data Security.)</li> </ol>
Tablet	Use a third-party app for network files management.

#### Ø Tips:

You can also access your USB storage device by using your Network/Media Server Name as the server address. Refer to <u>To Customize the Address of the USB Storage Device</u> to learn more.

#### 10. 1. 2. Access the USB Device Remotely

You can access your USB disk outside the local area network. For example, you can: