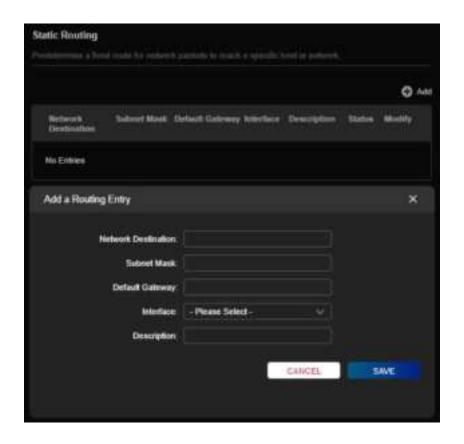


How can I do that?

- 1. Change the routers' LAN IP addresses to two different IP addresses on the same subnet. Disable Router B's DHCP function.
- 2. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for Router A.
- 3. Go to Advanced > Network > Routing.
- 4. Click Add and finish the settings according to the following explanations:



Network Destination: The destination IP address that you want to assign to a static route. This IP address cannot be on the same subnet with the WAN IP or LAN IP of Router A. In the example, the IP address of the company network is the destination IP address, so here enter 172.30.30.1.

Subnet Mask: Determines the destination network with the destination IP address. If the destination is a single IP address, enter 255.255.255.255; otherwise, enter the subnet mask of the corresponding network IP. In the example, the destination network is a single IP, so here enter 255.255.255.255.

Default Gateway: The IP address of the gateway device to which the data packets will be sent. This IP address must be on the same subnet with the router's IP which sends out data. In the example, the data packets will be sent to the LAN port of Router B and then to the Server, so the default gateway should be 192.168.0.2.

Interface: Determined by the port (WAN/LAN) that sends out data packets. In the example, the data are sent to the gateway through the LAN port of Router A, so LAN/WLAN should be selected.

Description: Enter a description for this static routing entry.

- 5. Click SAVE.
- 6. Check the Routing Table below. If you can find the entry you've set, the static routing is set successfully.



Done!

Open a web browser on your PC. Enter the company server's IP address to visit the company network.

Chapter 17

Manage the Router

This chapter will show you the configuration for managing and maintaining your router. It contains the following sections:

- <u>Update the Firmware</u>
- Backup and Restore Configuration Settings
- Change the Login Password
- Password Recovery
- Local Management
- Remote Management
- System Log
- Test the Network Connectivity
- Set System Time and Language
- Set the Router to Reboot Regularly
- Control the LED

17. 1. Update the Firmware

TP-Link aims at providing better network experience for users.

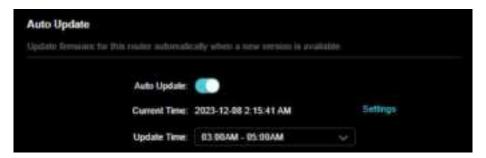
We will inform you through the web management page if there's any new firmware available for your router. Also, the latest firmware will be released at the TP-Link official website www.tp-link.com, and you can download it from the Support page for free.

Note:

- Back up your router's configurations before firmware update.
- Do NOT turn off the router during the firmware update.

17. 1. 1. Auto Update

- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Advanced > System > Firmware Update.
- 3. Enable Auto Update.



4. Specify the Update Time and save the settings.

The router will update firmware automatically at the specified time when new version is available.

17. 1. 2. Online Update

- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Advanced > System > Firmware Update to check the current firmware version of your router.



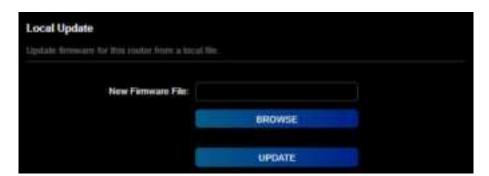
3. Click CHECK FOR UPDATES to see whether the latest firmware is released. If it is, wait a few minutes for the update and reboot to complete.



Ø Tips: If there's a new and important firmware update for your router, you will see the prompt notification on your computer as long as a web browser is opened. Click to update, and log in to the web management page with the username and password you set for the router. You will see the Firmware Update page.

17. 1. 3. Local Update

- 1. Download the latest firmware file for the router from www.tp-link.com.
- Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 3. Go to Advanced > System > Firmware Update.
- Focus on the Local Update section. Click BROWSE to locate the downloaded new firmware file, and click UPDATE.



5. Wait a few minutes for the update and reboot to complete.

Note: If you fail to update the firmware for the router, please contact our Technical Support.

17. 1. 4. EasyMesh Satellite Update

EasyMesh Satellite Update allows you to remotely check and update the firmware of the satellite devices connected to this router via EasyMesh.

- Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- Go to Advanced > System > Firmware Update, and locate the EasyMesh Satellite Update section.
- 3. The router's satellite devices will appear on the table. Click CHECK FOR UPDATES to see whether the latest firmware is released. If you want to update a satellite device, click on the right of the corresponding device.

Note: The update will take a few minutes and the satellite router will reboot.

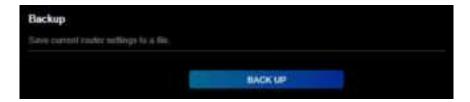


17. 2. Backup and Restore Configuration Settings

The configuration settings are stored as a configuration file in the router. You can backup the configuration file to your computer for future use and restore the router to a previous settings from the backup file when needed. Moreover, if necessary you can erase the current settings and reset the router to the default factory settings.

- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- Go to Advanced > System Tools > Backup & Restore.
- To backup configuration settings:

Click BACK UP to save a copy of the current settings to your local computer. A '.bin' file of the current settings will be stored to your computer.



- To restore configuration settings:
- 1. Click BROWSE to locate the backup configuration file stored on your computer, and click RESTORE.



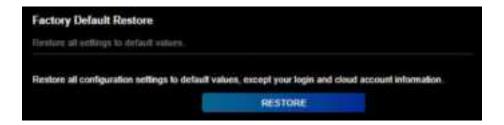
- 2. Wait a few minutes for the restoring and rebooting.
- Note: During the restoring process, do not turn off or reset the router.
- To reset the router except your login password and TP-Link ID:
- 1. In the Factory Default Restore section, click RESTORE.



2. Wait a few minutes for the resetting and rebooting.

Note:

- During the resetting process, do not turn off the router.
- · After reset, you can still use the current login password or the TP-Link ID to log in to the web management page.
- To reset the router to factory default settings:
- 1. Click FACTORY RESTORE to reset the router.



2. Wait a few minutes for the resetting and rebooting.

Note:

- During the resetting process, do not turn off or reset the router.
- We strongly recommend you backup the current configuration settings before resetting the router.

17. 3. Change the Login Password

The account management feature allows you to change your login password of the web management page.

Note: If you are using a TP-Link ID to log in to the web management page, the account management feature will be disabled. To manage the TP-Link ID, go to Advanced > TP-Link ID.

- 1. Visit http://tplinkwifi.net, and log in with the password you set for the router.
- 2. Go to Advanced > System > Administration and focus on the Change Password section.



- 3. Enter the old password, then a new password twice (both case-sensitive). Click SAVE.
- 4. Use the new password for future logins.

17. 4. Password Recovery

This feature allows you to recover the login password you set for you router in case you forget it.

Note: If you are using a TP-Link ID to log in to the web management page, the Password Recovery feature will be disabled. To manage the TP-Link ID, go to Advanced > TP-Link ID.

- 1. Visit http://tplinkwifi.net, and log in with the password you set for the router.
- Go to Advanced > System > Administration and focus on the Password Recovery section.
- 3. Tick the Enable box of Password Recovery.
- 4. Specify a mailbox (From) for sending the recovery letter and enter its SMTP Server address. Specify a mailbox (To) for receiving the recovery letter. If the mailbox (From) to send the recovery letter requires encryption, Tick the Enable box of Authentication and enter its username and password.
 - Tips:
 - SMTP server is available for users in most webmail systems. For example, the SMTP server address of Gmail is smtp.gmail.com.
 - Generally, Authentication should be enabled if the login of the mailbox requires username and password.



5. Click SAVE.

To recover the login password, please visit http://tplinkwifi.net, click Forgot Password? on the login page and follow the instructions to set a new password.

17.5. Local Management

This feature allows you to limit the number of client devices on your LAN from accessing the router by using the MAC address-based authentication.

- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- Go to Advanced > System > Administration and complete the settings In Local Management section as needed.
- Access the router via HTTPS and HTTP:

Tick the Enable box of Local Management via HTTPS to access the router via HTTPS and HTTP, or keep it disabled to access the router only via HTTP.

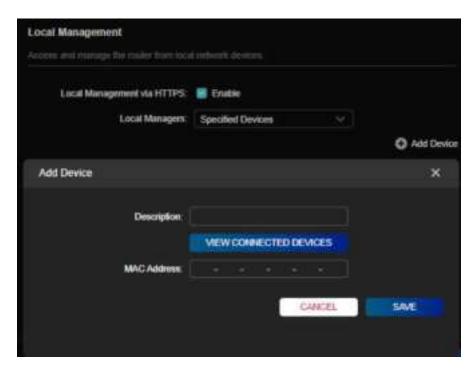


Allow all LAN connected devices to manage the router:

Select All Devices for Local Managers.



- Allow specific devices to manage the router:
- 1. Select Specific Devices for Local Managers and click + Add.



- Click VIEW CONNECTED DEVICES and select the device to manage the router from the Connected Devices list, or enter the MAC address of the device manually.
- 3. Specify a Description for this entry.
- 4. Click SAVE.

17. 6. Remote Management

This feature allows you to control remote devices' authority to manage the router.

- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- Go to Advanced > System > Administration and complete the settings in Remote Management section as needed.
- Forbid all devices to manage the router remotely:

Do not tick the Enable checkbox of Remote Management.



Allow all devices to manage the router remotely:

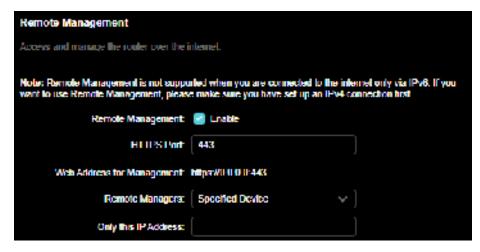


- 1. Tick the Enable checkbox of Remote Management.
- 2. Keep the HTTPS port as default settings (recommended) or enter a value between 1024 and 65535.
- 3. Select All Devices for Specified Devices.
- 4. Click SAVE.

Devices on the internet can log in to https://13.116.60.229:1024) to manage the router.

@ Tips:

- You can find the WAN IP address of the router on Network Map > Internet.
- The router's WAN IP is usually a dynamic IP. Please refer to <u>Set Up a Dynamic DNS Service Account</u> if you want to log in to the router through a domain name.
- Allow a specific device to manage the router remotely:



- 1. Tick the Enable checkbox of Remote Management.
- Keep the HTTPS and HTTP port as default settings (recommended) or enter a value between 1024 and 65535.
- 3. Select Specified Device for Remote Managers.
- 4. In the Only this IP Address field, enter the IP address of the remote device to manage the router.
- 5. Click SAVE.

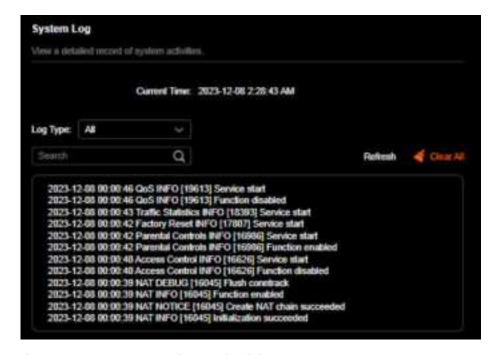
Devices using this WAN IP can manage the router by logging in to http://Router's WAN IP:port number (such as http://113.116.60.229:1024).

Ø Tips: The router's WAN IP is usually a dynamic IP. Please refer to Set Up a Dynamic DNS Service Account if you want to log in to the router through a domain name.

17.7. System Log

When the router does not work normally, you can save the system log and send it to the technical support for troubleshooting.

- To save the system log locally:
- 1. Visit http://tplinkwifi.net, and log in your TP-Link ID or the password you set for the router.
- 2. Go to Advanced > System > System Log.
- 3. Choose the type and level of the system logs as needed.



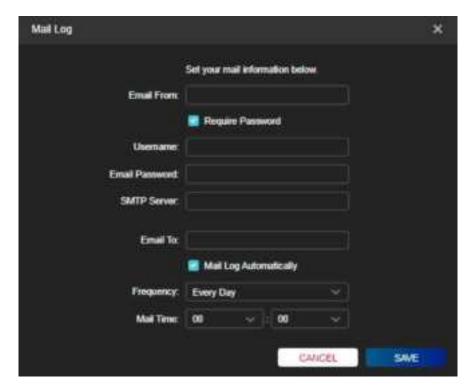
4. In the Save Log section, click SAVE TO LOCAL to save the system logs to a local disk.



• To send the system log to a mailbox at a fixed time:

For example, I want to check my router's working status at a fixed time every day, however, it's too troublesome to log in to the web management page every time I want to go checking. It would be great if the system logs could be sent to my mailbox at 8 a.m. every day.

- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Advanced > System Tools > System Log.
- 3. In the Save Log section, click MAIL LOG.
- 4. Enter the information required:



- 1) Email From: Enter the email address used for sending the system log.
- 2) Select Require Password.
- Tips: Generally, Require Password should be selected if the login of the mailbox requires username and password.
- 3) Username: Enter the email address used for sending the system log.
- 4) Email Password: Enter the password to login the sender's email address.
- 5) SMTP Server: Enter the SMTP server address.
- Tips: SMTP server is available for users in most webmail systems. For example, the SMTP server address of Hotmail is smtp-mail.outlook.com.
- 6) Email To: Enter the recipient's email address, which can be the same as or different from the sender's email address.
- 7) Select Mail Log Automatically.
- Tips: The router will send the system log to the designated email address if this option is enabled.
- 8) Frequency: This determines how often the recipient will receive the system log.
- 5. Click SAVE.

17.8. Test the Network Connectivity

Diagnostics is used to test the connectivity between the router and the host or other network devices.

1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.

2. Go to Advanced > System > Diagnostics.



3. Enter the information:

- 1) Choose Ping or Traceroute as the diagnostic tool to test the connectivity;
- Ping is used to test the connectivity between the router and the tested host, and measure the round-trip time.
- Traceroute is used to display the route (path) your router has passed to reach the tested host, and measure transit delays of packets across an Internet Protocol network.
- 2) Enter the IP Address or Domain Name of the tested host.
- 3) Modify the Ping Count number and the Ping Packet Size. It's recommended to keep the default value.
- 4) If you have chosen Traceroute, you can modify the Traceroute Max TTL. It's recommended to keep the default value.
- 4. Click START to begin the diagnostics.

The figure below indicates the proper connection between the router and the Yahoo server (www.Yahoo.com) tested through Ping.

```
PING 192.168.0.1 (192.168.0.1). 64 data tytes
Repty from 192.168.0.1; bytes=64 ttl=54 seq=1 time=0.172 ms
Repty from 192.168.0.1; bytes=64 ttl=54 seq=2 time=0.174 ms
Repty from 192.168.0.1; bytes=64 ttl=54 seq=3 time=0.168 ms
Repty from 192.168.0.1; bytes=64 ttl=54 seq=4 time=0.181 ms
— Ping Statistic 192.168.0.1; bytes=64 ttl=54 seq=4 time=0.181 ms
— Packets: Sent=4, Received=4, Lost=0 (0.00% loss)
Round-bip min/avg/max = 0.169/0.174/0.181 ms
ping is stopped
```

The figure below indicates the proper connection between the router and the Yahoo server (www.Yahoo.com) tested through Traceroute.

```
tracerouse to 192 168 0.1, 5 hops max, 46 byte packets
1 fpinkwiti net (192 168 0.1) 0.018 ms 0.016 ms 0.014 ms
Ti ace Complete.
In accountle is stopped
```

17. 9. Set System Time and Language

System time is the time displayed while the router is running. The system time you configure here will be used for other time-based functions like Parental Controls. You can choose the way to obtain the system time as needed.

System language is the language displayed when you log into the router. You can change the system language as needed.

- Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Advanced > System > Time & Language.
- To get time from the internet:
- 1. Enable 24-Hour Time if you want the time to display in a 24-hour way.
- 2. In the Set Time field, select Get from Internet.



- 3. Select your local Time Zone from the drop-down list.
- In the NTP Server I field, enter the IP address or domain name of your desired NTP Server.

5. (Optional) In the NTP Server II field, enter the IP address or domain name of the second NTP Server.

6. Click SAVE.

• To get time from your computer:

1. In the Set Time field, select Get from Managing Device.



- 2. The time of your computer will then be displayed and click SAVE.
- To manually set the date and time:
- 1. In the Set Time field, select Manually.



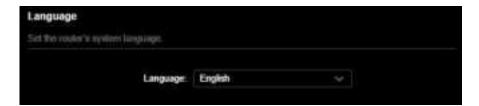
- 2. Set the current Date (In MM/DD/YYYY format).
- 3. Set the current Time (In HH/MM/SS format).
- 4. Click SAVE.
- To set Daylight Saving Time:
- 1. Tick the Enable box of Daylight Saving Time.



- 2. Select the correct Start date and time when daylight saving time starts at your local time zone.
- 3. Select the correct End date and time when daylight saving time ends at your local time zone.
- 4. Click SAVE.

To set system language:

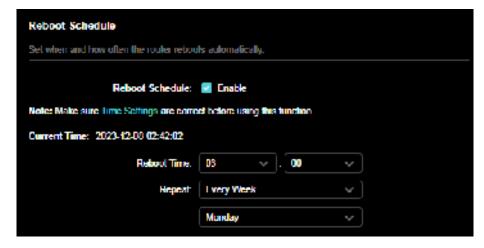
Select the language from the dropdown list, then click SAVE.



17. 10. Set the Router to Reboot Regularly

The Scheduled Reboot feature cleans the cache to enhance the running performance of the router.

- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Advanced > System > Reboot.
- 3. Tick the Enable box of Reboot Schedule.

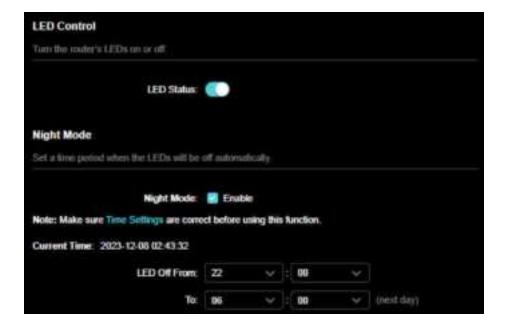


- 4. Specify the Reboot Time when the router reboots and Repeat to decide how often it reboots.
- 5. Click SAVE.

17. 11. Control the LED

The LED of the router indicates its activities and status. You can enable the Night Mode feature to specify a time period during which the LED is off.

- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Advanced > System > LED Control.
- 3. Enable Night Mode.
- 4. Specify the LED off time, and the LED will be off during this period every day.
- 5. Click SAVE.



Chapter 18

Game Center

This chapter will show some gaming related information and guide you on how to protect and accelerate your gaming.

It contains the following sections:

- Check Key Parameters on Game Panel
- Game Acceleration
- Game Port Forwarding
- Game Statictics
- Game Detector
- Game Diagnostics

18. 1. Check Key Parameters on Game Panel

Here you can check key parameters related to your router, including the RGB effects, network traffic of the WAN port, Performance of the router, and connected USB devices. You can also check your boosting devices on the Game Dashboard.

- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Game Center > Game Panel.



3. Click RGB Effects to choose a preferred RGB effect. By default, the Fire effect is used.



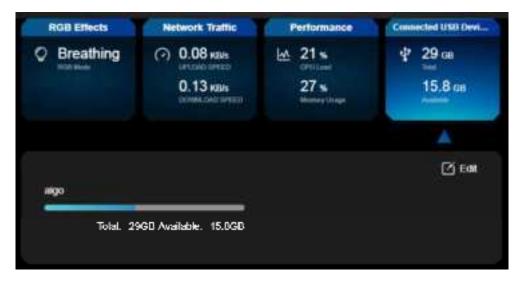
Click Network Traffic to view the real-time upload and download speed for the WAN port.



5. Click Performance to view the current status CPU load and memory usage.



6. Click Connected USB Devices to view the total and available memory capacity of connected USB devices. Click the edit button to transfer to the USB settings page for sharing files and media from the USB storage devices. You can also go to Advanced > USB > USB Storage Device for configuration.



7. Go to Game Dashboard to check your game acceleration status and boosing devices. Click +New to prioritize internet traffic for more devices.



18. 2. Game Acceleration

The router features various game acceleration tools, including QoS, Game Server Acceleration, and Gear Acceleration, which boost game speeds so that your games always run at top performance.

18. 2. 1. QoS

QoS automatically detects and optimizes gaming streams, accelerating your game applications to keep them run at high speeds even on a crowded network.

1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.

2. Go to Game Center > Game Acceleration > QoS and enable QoS.



3. Fill in the maximum upload and download bandwidth provided by your ISP.



4. Click Games to boost online gaming speeds.



18. 2. 2. Game Server Acceleration

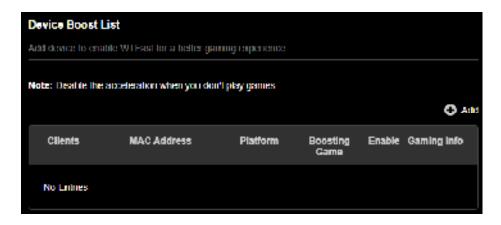
Game Server Acceleration automatically optimizes route selection, connecting your network to your game server via the shortest route for the lowest latency and ping time. Register a WTFast account before using this third-party service.

1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.

- 2. Go to Game Center > Game Acceleration > Game Server Acceleration.
- 3. Log in to the account of your subscribed GPN service.



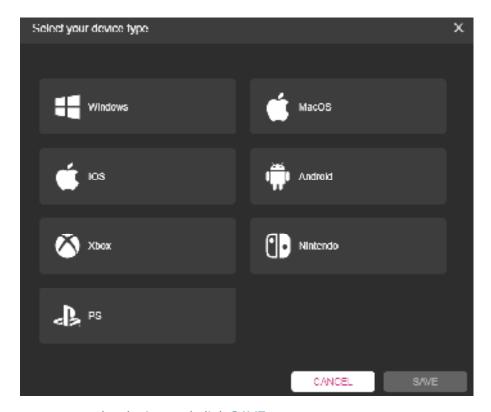
4. In Device Boost List, click +Add.



5. Select the device you want to accelerate and click SAVE.



6. Select the device type and click SAVE.



7. Select a game on the device and click SAVE.



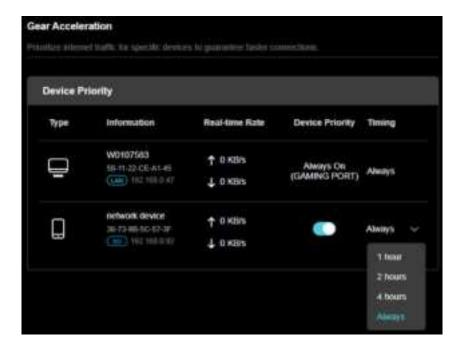
8. Toggle the Enable button of the device on the list when you're playing the game.



18. 2. 3. Gear Acceleration

Gear Acceleration prioritizes and accelerates your game devices on a crowded network to reduce game latency and boost game speed.

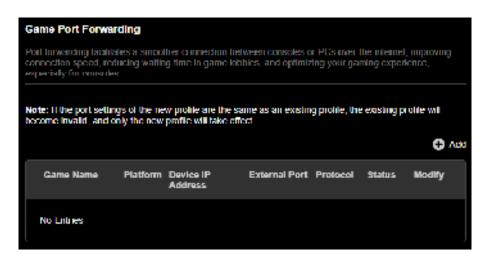
- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Game Center > Game Acceleration > Gear Acceleration.
- 3. Turn on Device Priority and select the acceleration duration for a specific device to prioritize the internet traffic of it.



18.3. Game Port Forwarding

Game Port Forwarding includes built-in rules for popular online games. Simply select your game from the list and configure basic settings for it.

- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Game Center > Game Port Forwarding.
- 3. Click +Add.



4. Select a game to create a game profile.



5. Fill in the profile information and your game device IP address.



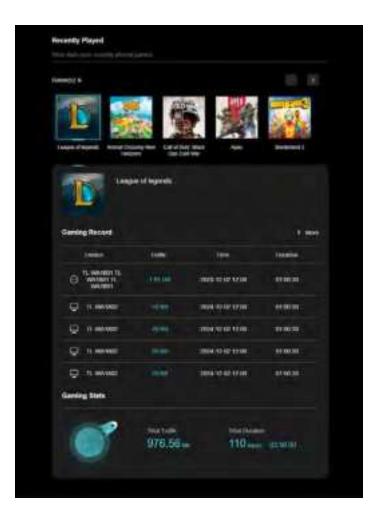
6. Click SAVE. You can turn on or off the port forwarding for this profile anytime.



18. 4. Game Statictics

View your recenty played games.

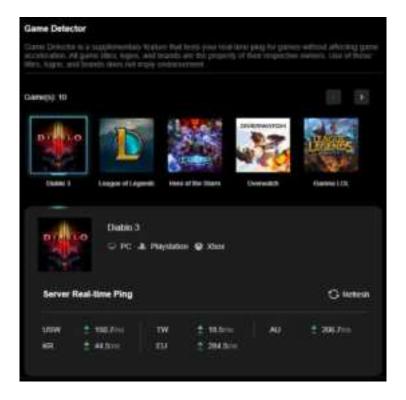
- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Game Center > Game Statistics to check your recent game statistics.



18.5. Game Detector

Game Detector tests and displays the real-time ping of your game servers without affecting game acceleration. All game titles, logos, and brands are the property of their respective owners.

- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Game Center > Game Detector.
- 3. Choose a game to check the real-time server ping information.



18. 6. Game Diagnostics

Game Diagnostics is used to test the connectivity between the router and the host or other network devices while gaming. Please refer to <u>Test the Network Connectivity</u> to learn how to use Game Diagnostics.

- 1. Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Game Center > Game Diagnostics.



- 3. Enter the information:
 - 1) Choose Ping or Traceroute as the diagnostic tool to test the connectivity;
 - Ping is used to test the connectivity between the router and the tested host, and measure the round-trip time.

 Traceroute is used to display the route (path) your router has passed to reach the tested host, and measure transit delays of packets across an Internet Protocol network.

- 2) Enter the IP Address or Domain Name of the tested host.
- 3) Modify the Ping Count number and the Ping Packet Size. It's recommended to keep the default value.
- 4) If you have chosen Traceroute, you can modify the Traceroute Max TTL. It's recommended to keep the default value.
- 4. Click START to begin the diagnostics.

The figure below indicates the proper connection between the router and the Yahoo server (www.Yahoo.com) tested through Ping.

```
PING 192.168.0.92 (192.168.0.92), 64 data tryles
Reply from 192.168.0.92; bytes 64 til 64 seg 1 time 36.855 ms
Reply from 192.168.0.92; bytes 64 til 64 seg 1 time 36.855 ms
Reply from 192.168.0.92; bytes=64 til=64 seg=2 time=5.292 ms
Reply from 192.168.0.92; bytes=64 til=64 seg=3 time=5.819 ms
--- Ping Statistic *192.168.0.92* ---
Pankels: Scalt=1, Repenset=4, Lost=0 (0.00%, loss)
Round trip min/avg/max = 5.227/10.043/05.055 ms
ping is stopped.
```

The figure below indicates the proper connection between the router and the Yahoo server (www.Yahoo.com) tested through Traceroute.

```
tracemute to 192 168 0.92, 5 hops max, 46 byte packets
1 192.168.0.92 (192.168.0.92) 73.023 ms 6.169 ms 6.235 ms
Trace Complete
traceroute is stopped.
```

FAQ

Q1. What should I do if I forget my wireless password?

The default wireless password is printed on the label of the router. If the password has been altered:

- 1. Connect your computer to the router using an Ethernet cable.
- Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 3. Go to Wireless to retrieve or reset your wireless password.

Q2. What should I do if I forget my web management password?

- If you are using a TP-Link ID to log in, or you have enabled the Password Recovery feature of the router, click Forgot password on the login page and then follow the instructions to reset it.
- Alternatively, press and hold the Reset button of the router until the LED blinks blue to restore factory default settings, and then visit http://tplinkwifi.net to create a new login password.

Note

- Please refer to Password Recovery to learn how to configure Password Recovery.
- You'll need to reconfigure the router to surf the internet once the router is reset, and please mark down your new password for future use.

Q3. What should I do if I can't log in to the router's web management page?

This can happen for a variety of reasons. Please try the methods below to log in again.

- Make sure your computer is connected to the router correctly and the corresponding LED indicator(s) light up.
- Make sure the IP address of your computer is configured as Obtain an IP address automatically and Obtain DNS server address automatically.
- Make sure http://tplinkwifi.net or http://192.168.0.1 is correctly entered.
- Check your computer's settings:
 - Go to Start > Control Panel > Network and Internet, and click View network status and tasks.
 - 2) Click Internet Options on the bottom left.
 - 3) Click Connections and select Never dial a connection.



4) Click LAN settings and deselect the following three options and click OK.



5) Go to Advanced > Restore advanced settings, click OK to save the settings.



- Use another web browser or computer to log in again.
- Press and hold the Reset button until the LED blinks blue to reset the router to factory default settings and try again. If login still fails, please contact the technical support.
- Note: You'll need to reconfigure the router to surf the internet once the router is reset.

Q4. What should I do if I can't access the internet even though the configuration is finished?

- Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2. Go to Advanced > Network > Status to check internet status:

If IP Address is a valid one, please try the methods below and try again:

- Your computer might not recognize any DNS server addresses. Please manually configure the DNS server.
 - 1) Go to Advanced > Network > DHCP Server.
 - 2) Enter 8.8.8.8 as Primary DNS, click SAVE.
 - Tips: 8.8.8.8 is a safe and public DNS server operated by Google.



- · Restart the modem and the router.
 - 1) Power off your modem and router, and leave them off for 1 minute.
 - 2) Power on your modem first, and wait about 2 minutes until it gets a solid cable or Internet light.
 - 3) Power on the router.
 - 4) Wait another 1 or 2 minutes and check the internet access.
- Reset the router to factory default settings and reconfigure the router.
- · Upgrade the firmware of the router.
- Check the TCP/IP settings on the particular device if all other devices can get internet from the router.

As the picture below shows, if the IP Address is 0.0.0.0, please try the methods below and try again:



- Make sure the physical connection between the router and the modem is proper.
- Clone the MAC address of your computer.

- 1) Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2) Go to Internet or Advanced > Network > Internet and focus on the MAC Clone section.
- Choose an option as needed (enter the MAC address if Use Custom MAC Address is selected), and click SAVE.



@ Tips:

- Some ISP will register the MAC address of your computer when you access the internet for the first time
 through their Cable modem, if you add a router into your network to share your internet connection, the ISP will
 not accept it as the MAC address is changed, so we need to clone your computer's MAC address to the router.
- The MAC addresses of a computer in wired connection and wireless connection are different.
- Modify the LAN IP address of the router.

Note:

Most TP-Link routers use 192.168.0.1/192.168.1.1 as their default LAN IP address, which may conflict with the IP range of your existing ADSL modem/router. If so, the router is not able to communicate with your modem and you can't access the internet. To resolve this problem, we need to change the LAN IP address of the router to avoid such conflict, for example, 192.168.2.1.

- 1) Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
- 2) Go to Advanced > Network > LAN.
- 3) Modify the LAN IP address as the follow picture shows. Here we take 192.168.2.1 as an example.
- 4) Click SAVE.



· Restart the modem and the router.

- 1) Power off your modem and router, and leave them off for 1 minute.
- 2) Power on your modem first, and wait about 2 minutes until it get a solid cable or Internet light.
- 3) Power on the router.
- 4) Wait another 1 or 2 minutes and check the internet access.
- Double check the internet connection type.
 - 1) Confirm your internet connection type, which can be learned from the ISP.
 - 2) Visit http://tplinkwifi.net, and log in with your TP-Link ID or the password you set for the router.
 - 3) Go to Advanced > Network > Internet.
 - 4) Select your Internet Connection Type and fill in other parameters.
 - 5) Click SAVE.



- 6) Restart the modem and the router again.
- Please upgrade the firmware of the router.

If you've tried every method above but still cannot access the internet, please contact the technical support.

Q5. What should I do if I can't find my wireless network or I cannot connect the wireless network?

If you fail to find any wireless network, please follow the steps below:

 Make sure the wireless function of your device is enabled if you're using a laptop with built-in wireless adapter. You can refer to the relevant document or contact the laptop manufacturer.

- Make sure the wireless adapter driver is installed successfully and the wireless adapter is enabled.
 - On Windows 7
 - If you see the message No connections are available, it is usually because the wireless function is disabled or blocked somehow.
 - 2) Click Troubleshoot and windows might be able to fix the problem by itself.
 - On Windows XP
 - 1) If you see the message Windows cannot configure this wireless connection, this is usually because windows configuration utility is disabled or you are running another wireless configuration tool to connect the wireless.
 - 2) Exit the wireless configuration tool (the TP-Link Utility, for example).
 - 3) Select and right click on My Computer on desktop, select Manage to open Computer Management window.
 - 4) Expand Services and Applications > Services, find and locate Wireless Zero Configuration in the Services list on the right side.
 - 5) Right click Wireless Zero Configuration, and then select Properties.
 - Change Startup type to Automatic, click on Start button and make sure the Service status is Started. And then click OK.

If you can find other wireless network except your own, please follow the steps below:

- Check the WLAN LED indicator on your wireless router/modem.
- Make sure your computer/device is still in the range of your router/modem. Move it closer if it is currently too far away.
- Go to Wireless or Advanced > Wireless > Wireless Settings, and check the wireless settings. Double check your wireless Network Name and SSID is not hided.

If you can find your wireless network but fail to connect, please follow the steps below:

- Authenticating problem/password mismatch:
 - Sometimes you will be asked to type in a PIN number when you connect to the wireless network for the first time. This PIN number is different from the Wireless Password/Network Security Key, usually you can only find it on the label of your router.



- If you cannot find the PIN or PIN failed, you may choose Connecting using a security key instead, and then type in the Wireless Password/Network Security Key.
- 3) If it continues to show note of Network Security Key Mismatch, it is suggested to confirm the wireless password of your wireless router.
- Note: Wireless Password/Network Security Key is case sensitive.
- Windows unable to connect to XXXX / Can not join this network / Taking longer than usual to connect to this network:
 - Check the wireless signal strength of your network. If it is weak (1~3 bars), please move the router closer and try again.
 - Change the wireless Channel of the router to 1, 6 or 11 to reduce interference from other networks.
 - Re-install or update the driver for your wireless adapter of the computer.

FCC compliance information statement



Product Name: BE19000 Tri-Band Wi-Fi 7 Gaming Router

Model Number: Archer GE800

Component Name	Model
I.T.E. Power Supply	T150500-2-DT

Responsible party:

TP-Link USA Corporation

Address: 10 Mauchly, Irvine, CA 92618 Website: http://www.tp-link.com/us/

Tel: +1 626 333 0234 Fax: +1 909 527 6804

E-mail: sales.usa@tp-link.com

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference.
- 2. This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 44 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC regulations restrict operation of this device to indoor use only. The operation of this device is prohibited on oil platforms, cars, trans, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10000 feet. Operation of transmitters in the 5.925-6.425 GHz band is prohibited for control of or communications with unmanned aircraft systems.

FCC compliance information statement

Product Name: I.T.E. Power Supply Model Number: T150500-2-DT

Responsible party:

TP-Link USA Corporation

Address: 10 Mauchly, Irvine, CA 92618 Website: http://www.tp-link.com/us/

Tel: +1 626 333 0234 Fax: +1 909 527 6804

E-mail: sales.usa@tp-link.com

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference.
- 2. This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

We, **TP-Link USA Corporation**, has determined that the equipment shown as above has been shown to comply with the applicable technical standards, FCC part 15. There is no unauthorized change is made in the equipment and the equipment is properly maintained and operated.

Issue Date: 2024-01-18

CE Mark Warning



This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

OPERATING FREQUENCY(the maximum transmitted power)

2400 MHz - 2483.5 MHz (20dBm)

5150 MHz -5250 MHz (23dBm)

5250 MHz -5350 MHz (23dBm)

5470 MHz -5725 MHz (30dBm)

5945MHz -6425 MHz (23dBm)

Frequency band: 5150 - 5250 MHz:

Indoor use: Inside buildings only. Installations and use inside road vehicles and train carriages are not permitted. Limited outdoor use: If used outdoors, equipment shall not be attached to a fixed installation or to the external body of road vehicles, a fixed infrastructure or a fixed outdoor antenna. Use by unmanned aircraft systems (UAS) is limited to within the 5170 - 5250 MHz band.

Frequency band: 5250 - 5350 MHz:

Indoor use: Inside buildings only. Installations and use in road vehicles, trains and aircraft are not permitted. Outdoor use is not permitted.

Frequency band: 5470 - 5725 MHz:

Installations and use in road vehicles, trains and aircraft and use for unmanned aircraft systems (UAS) are not permitted.

EU Declaration of Conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC, 2011/65/EU and (EU)2015/863.

The original EU Declaration of Conformity may be found at https://www.tp-link.com/en/support/ce/

RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

The device complies with RF specifications when the device used at 20 cm from your body.

National Restrictions



UKCA Mark



UK Declaration of Conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017.

The original UK Declaration of Conformity may be found at https://www.tp-link.com/support/ukca

National Restrictions

Attention: This device may only be used indoors in Great Britain.





This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution:

The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

DFS (Dynamic Frequency Selection) products that operate in the bands 5250-5350 MHz, 5470-5600MHz, and 5650-5725MHz.

Avertissement:

Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

Les produits utilisant la technique d'atténuation DFS (sélection dynamique des fréquences) sur les bandes 5250-5350 MHz, 5470-5600 MHz et 5650-5725 MHz.

ISED regulations restrict operation of this device to indoor use only. The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10000 feet. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

Les réglementations ISED limitent le fonctionnement de cet appareil à une utilisation en intérieur uniquement. L'utilisation de cet appareil est interdite sur les plates-formes pétrolières, les voitures, les trains, les bateaux et les avions, sauf que l'utilisation de cet appareil est autorisée dans les avions long courrier en vol au-dessus de 10 000 pieds. L'exploitation d'émetteurs dans la bande 5,925-7,125 GHz est interdite pour le contrôle ou les communications avec des systèmes d'avions sans pilote.

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 26cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 26cm de distance entre la source de rayonnement et votre corps.

Industry Canada Statement

CAN ICES-3 (B)/NMB-3(B)

Korea Warning Statements:

당해 무선설비는 운용중 전파혼신 가능성이 있음.

NCC Notice & BSMI Notice:

注意!

取得審驗證明之低功率射頻器材,非經核准,公司、商號或使用者均不得擅自變 更頻率、加大功率或變更原設計之特性及功能。

低功率射頻器材之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應立即停用,並改善至無干擾時方得繼續使用。

前述合法通信,指依電信管理法規定作業之無線電通信。

低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

應避免影響附近雷達系統之操作。

安全諮詢及注意事項

- 請使用原裝電源供應器或只能按照本產品注明的電源類型使用本產品。
- 清潔本產品之前請先拔掉電源線。請勿使用液體、噴霧清潔劑或濕布進行 清潔。
- 注意防潮,請勿將水或其他液體潑灑到本產品上。
- 插槽與開口供通風使用,以確保本產品的操作可靠並防止過熱,請勿堵塞 或覆蓋開口。
- 請勿將本產品置放於靠近熱源的地方。除非有正常的通風,否則不可放在 密閉位置中。
- 請不要私自打開機殼,不要嘗試自行維修本產品,請由授權的專業人士進 行此項工作。

限用物質含有情況標示聲明書

設備名稱:BE19000 Tri-Band Wi-Fi 7 Gaming
Router

Type designation (Type)

Equipment	ipment name						
	限用物質及其化學符號						
單元 Unit	Restricted substances and its chemical symbols						
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr ⁺⁶)	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)	
PCB	0	0	\circ			0	
外殼	0	0	0	0	0	0	
電源供應器	_		0				
天線			0				

備考1. ^{*}超出0.1 wt % ^{*} 及 ^{*}超出0.01 wt % ^{*} 係指限用物質之百分比含量超出百分比含量基準值

Note 1: "Exceeding 0.1 wt %" and "exceeding 0.01 wt %" indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

備考2. ヾ○′ 係指該項限用物質之百分比含量未超出百分比含量基準值。

Note 2: " \bigcirc " indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考3. "一"係指該項限用物質為排除項目。

Note 3: The "-" indicates that the restricted substance corresponds to the exemption.



Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.

EAC

Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended
- Do not use the device where wireless devices are not allowed.
- Adapter shall be installed near the equipment and shall be easily accessible.
- Use only power supplies which are provided by manufacturer and in the original packing of this product. If you have any questions, please don't hesitate to contact us.

- Operating Temperature: 0°C ~ 40°C (32°F ~ 104°F)
- This product uses radios and other components that emit electromagnetic fields. Electromagnetic fields and magnets may interfere with pacemakers and other implanted medical devices. Always keep the product and its power adapter more than 15 cm (6 inches) away from any pacemakers or other implanted medical devices. If you suspect your product is interfering with your pacemaker or any other implanted medical device, turn off your product and consult your physician for information specific to your medical device.

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

Explanation of the symbols on the product label

Symbols may vary from products.

Note: The product label can be found at the bottom of the product and its I.T.E. power supply.

Symbol	Explanation
	Class II equipment
	Class II equipment with functional earthing
\sim	Alternating current
and Sand And	DC voltage
⊹• •	Polarity of output terminals
Δ	Indoor use only
4	Dangerous voltage
A	Caution, risk of electric shock
VI	Energy efficiency Marking
	Protective earth
Ī	Earth

Symbol	Explanation	
	Frame or chassis	
	Functional earthing	
	Caution, hot surface	
\triangle	Caution	
<u> </u>	Operator's manual	
	Stand-by	
	"ON"/"OFF" (push-push)	
-	Fuse	
N	Fuse is used in neutral N	
2	RECYCLING This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.	
A	Caution, avoid listening at high volume levels for long periods	
	Disconnection, all power plugs	
m	Switch of mini-gap construction	
μ	Switch of micro-gap construction (for US version) Switch of micro-gap / micro-disconnection construction (for other versions except US)	

Symbol	Explanation	
ε	Switch without contact gap (Semiconductor switching device)	