

# **User Guide**

Shenzhen Tenda Technology Co.,Ltd.

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## **Commonly used functions**

- How to access the internet quickly using the router?
- How to change your WiFi name and password?
- How to change your login password?
- How to enable/disable your WiFi according to schedule?
- How to extend your wireless range?
- How to control your internet speed?
- How to prevent unknown device from connecting to your network?

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## 1 Get to know your router

This chapter includes the following parts:

- Package contents
- LED indicators
- Buttons & Interfaces
- Product label

## **Package contents**

Unpack the package. Your box should include the following items:

- AC1200 Smart Dual-Band WiFi Router \* 1
- Power Adapter \* 1
- Ethernet Cable \* 1
- Install Guide \* 1

If any item is incorrect, missing or damaged, please keep the original package and contact the vendor for replacement immediately.

## **LED indicators**



LED Indicator	Status	Description
SYS	Blinking	The router is working properly.
Solid		2.4GHz WiFi is enabled.
2.4G	Blinking	The router is sending or receiving 2.4GHz WiFi data.
	Off	2.4GHz WiFi is disabled.
5G Sc 0	Solid	5GHz WiFi is enabled.
	Blinking	The router is sending or receiving 5GHz WiFi data.
	Off	5GHz WiFi is disabled.

### Get to know your router

LED Indicator	Status	Description
	Solid	The port is connected to another network device.
WAN, 1, 2, 3	Blinking	The port is transmitting or receiving data.
	Off	The port is not connected to another network device.
	Solid	When WPS negotiation is successful, this LED keeps solid for $2^{\sim}$ 5 minutes, and then it keeps off.
	Blinking	The router is waiting or is performing WPS negotiation with a wireless client.
WPS Off		<ul> <li>WPS function is disabled.</li> <li>WPS negotiation is failed, or</li> <li>WPS negotiation is successful. When WPS negotiation is successful, this LED keeps solid for 2~ 5 minutes, and then it keeps off.</li> </ul>

## **Buttons & interfaces**



Button/Interface	Description		
3/IPTV	When IPTV feature is enabled, the port is only used for accessing IPTV service. Otherwise, it is a LAN port.		
2, 1	The two ports are used to connect to local network devices, such as computers and switches.		
WAN	The port is used to connect to the internet.		
POWER	The interface is used to connect to a power outlet with the included power adapter.		
WIFI	The button is used to enable or disable WiFi function.		
	The button is used to restore the router to factory default settings, or enable the router's WPS function.		
RST/WPS	<ul> <li>To restore the router to factory default settings, press and hold this button for about 8 seconds until all LEDs light.</li> </ul>		
	• To enable the router's WPS function, press and hold this button for 1 second. Within 2 minutes, enable the wireless client's WPS function.		

## **Product label**



1. Default Access: <u>http://tendawifi.com</u> or 192.168.0.1

When the router is in factory default state, to log in to the router's user interface, you can type **tendawifi.com** or **192.168.0.1** in a browser's address bar.

**2. SSID:** The default 2.4GHz WiFi Name. When the router is in factory default state, you can use this name to wirelessly connect to the router.

**3.** Pin No.: The Pin No. is required when you establish a WPS connection.

## 2 Quick setup to access the internet

To access the internet, you need at least two steps:

Step 1: Connect your router

Step 2: Configure your router

This chapter includes the following parts:

- Position your router
- <u>Step 1: Connect your router</u>
- Step 2: Configure your router
- Access the internet
- Join your WiFi

## **Position your router**

To make your devices get better wireless signals from the router, position your router as follows:

- Put it on a stable place, such as a desk.
- Keep it near your wireless devices, such as smart phones and laptops.
- Keep it away from electrical devices that are potential sources of interference, such as ceiling fans, home security systems or microwaves.
- Keep it away from any large metal surfaces, such as a solid metal door or aluminum nails.
- Keep it away from other materials that may affect your wireless signals, such as glass, insulated walls, fish tanks, mirrors, brick, and concrete.



## **Step 1: Connect your router**

### **1.** Connect your router to the internet.

If you have a modem, go to <u>Type 1</u>. If not, go to <u>Type 2</u>.

Type 1: Connect to the internet through a modem (DSL modem/optical modem/cable modem).



- Power off the modem. If it has a battery, remove the battery.
- **2** Connect the modem to the **WAN** port of the router using an Ethernet cable.
- Ower on the router.
- 4 Power on the modem.

Type 2: Connect to the internet through the Ethernet cable provided by the ISP.



- 1 Insert the Ethernet cable provided by the ISP into the **WAN** port of the router.
- **2** Power on the router.

### 2. Connect your computer to the router.

Before you configure the router, connect your computer to the router by one of the following:

- <u>Connect your computer to the router through WiFi</u>
- <u>Connect your computer to the router using the included Ethernet cable</u>

#### Connect your computer to the router through WiFi

1. Find the WiFi name (SSID) labeled at the router's bottom.

Tenda	Willi Dout	www.tendacn.com Mateir China	
Model: AC6 Default Access:			
http://tendawifi.com or 192.168.0.1 Input: 12V == 1A	MAC	C83A35XXXXXX	
FCCID: V7TAC6 IC: 9034A-AC6	Serial No.	****	
	SSID	Tenda_XXXXXX 🔵	
FCERICE	Pin No.	****	

2. Use your computer that is installed with a wireless network adapter, or other wireless devices, such as smartphones and laptops, to connect to the router's WiFi network. For the connection steps, refer to <u>Connect to your WiFi</u>.

After connect the computer to the router, go to the next step to <u>configure the router</u>.

### 🗧 Tips

If you change either the WiFi name (SSID) or WiFi password on the user interface, you need to reconnect your wireless devices to the router.

#### Connect your computer to the router using the included Ethernet cable

Connect your computer to the 1, 2, or 3/IPTV port of the router using the included Ethernet cable.

After you connect to the router, go to the next step to <u>configure the router</u>.



## **Step 2: Configure your router**

When you configure the router for the first time, follow the steps below.

### 1. Log in to the router's user interface.

1) Launch a web browser on your computer, type **tendawifi.com** or **192.168.0.1** in the address bar, and press **Enter** on the keyboard.

2) Click Start.



#### Tips

If the router's **Quick Setup Wizard** page doesn't appear, refer to <u>Appendix > Troubleshooting > Q2</u>.

### 2. Configure the internet settings.

The router supports three connection types: DHCP, Static IP, and PPPoE. The router can detect your connection type automatically.

#### DHCP

If DHCP is detected or if you select DHCP manually, click **Next** to configure wireless settings.

Please select your connection type			
As detected, your connection type may be: Static IP			
Select a connection type:	DHCP		
	Next		
	<u>Skip</u>		

#### **Static IP**

If Static IP is detected or if you select Static IP manually, please do as follows:

- 1) Type IP information provided by the ISP into the correct field. Alternate DNS server is optional.
- 2) Click Next to configure wireless settings.

Please select your connection type			
As detected, your connection type may be: Static IP			
Select a connection type:	Static IP •		
IP Address:			
Subnet Mask:			
Default Gateway:			
Preferred DNS Server:			
Alternate DNS Server:			
	Next		
	Skip		

#### PPPoE

If the detection result is Static IP or if you select PPPoE manually, please do as follows:

- 1) Type the user name and password provided by the ISP.
- 2) Click Next to configure wireless settings.

Please select your connection type			
As detected, your connection type may be: Static IP			
Select a connection type:	PPPoE •		
User name:	Enter the user name from your ISP		
Password:	Enter the password from your ISP		
	Next		
	<u>Skip</u>		

## 3. Configure the wireless settings.

- 1) Customize your WiFi name. (1~29 characters are allowed)
- 2) Customize your WiFi password. (8~32 characters are allowed)
- 3) Customize your login password. (5~32 characters are allowed)
- 4) Click Next.

Wireless Settings	
Tenda_XXXXXX	]
P 12345678	No Password
Set up the login password to the same as the Wif	Fi password
♀ Login password(5~32 characters)	No Password
Next	

Tips

- WiFi password is used for wireless devices to connect to the router. Login password is used to log in to the router's user interface. If you want to use the same password for both functionalities, check the box of **Set up the login password to the same as the WiFi password**.
- The router provides two frequency bands: 2.4GHz and 5GHz. A 5GHz WiFi name can be detected only by wireless devices working at 5GHz.

## Access the internet

When the following page appears, it indicates that you have completed all the settings and you can access the internet through WiFi or using an Ethernet cable.



#### ANote

Tenda\_XXXXXX is a 2.4G WiFi name and Tenda\_XXXXXX\_5G is a 5G WiFi name. The latter can be detected only by wireless devices working at 5GHz.

## Access the internet through WiFi

Use your wireless device, such as a smartphone, or use your computer that is installed with a wireless network adapter to connect to the router through the changed WiFi name and WiFi password. Then you can access the internet wirelessly.

### Access the internet through an Ethernet cable

If you connect your computer to the router through an Ethernet cable, you can access the internet now.

## **Connect to your WiFi**

This part shows WiFi connection steps on devices running the following operating systems. Steps for other operating systems are similar.

- Windows 8
- Windows 7
- <u>iPad/iPhone</u>
- <u>Android</u>

### Windows 8

1. Click the icon in on the lower right corner of your desktop.



**Tips** 

- If you can't find the icon<sup>1</sup>, please move your cursor to the upper right corner of your desktop, select Settings > Control Panel > Network and internet > Network and Sharing Center > Change adapter settings, right click Wi-Fi and select Connect/Disconnect.
- If you can't find your WiFi, ensure that your computer is not working in Airplane mode.
- 2. Select your WiFi name from the list, click **Connect** and then follow onscreen instructions.

When **Connected** appears, the device is connected to the router's WiFi network.

Networks	
Wi-Fi 2	
Tenda_123456	
Tenda_XXXXXX	Networks
✓ Connect automatically	Wi-Fi 2
Connect	Tenda_XXXXXX Connected ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

## Windows 7

- 1. Click the icon is on the lower right corner of your desktop.
- 2. Select your WiFi name from the list, click **Connect** and then follow onscreen instructions.



## Tips

If you can't find the icon and please move your cursor to the lower left corner of your desktop, select Start > Control Panel > Network and internet > Network and Sharing Center > Change adapter settings, right click Wireless Network Connection and select Connect/Disconnect.

When **Connected** appears, the device is connected to the router's WiFi network.



## iPad/iPhone

1. Tap Settings.



2. Tap Wi-Fi, choose your SSID, enter the WiFi password, and tap Join.

### Quick setup to access the internet



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Wi-Fi

## Android

- Tap Settings. 1.
- Tap WLAN. It enters your WLAN settings. 2.



- 3. Enable your WLAN, and select your SSID.
- Enter your WiFi password, and tap Connect. 4.

When **Connected** appears, the device is connected to the router's WiFi network.

### Quick setup to access the internet



## **3** Functions on the router's user interface

This chapter includes the following functions:

- Internet status
- Internet settings
- Wireless settings
- Guest network
- <u>Sleeping mode</u>
- <u>VPN</u>
- Advanced settings
- System settings

## **Internet** status

On internet Status page, you can check the internet connection status, WiFi Info, and the connected devices' info. Meanwhile, this part offers four shortcuts for you to change the internet settings, wireless settings, manage the connected devices, and check the system status.



## **Change internet settings**

If you don't finish internet settings through Quick Setup Wizard, or want to change internet settings, you can follow the steps below:

1. On the Internet Status page, click the internet settings icon



2. On the pop-up page, finish internet settings.

For the setting steps, refer to <u>Configure the internet settings</u>.

Internet Settings		×
Select a connection type:	DHCP	v
DNS Settings:	Get Automatically	T
	Save	

 $\widehat{\phantom{a}}$ 

## **Change wireless settings**

1. On the Internet Status page, click the wireless settings icon



2. On the pop-up page, finish wireless settings.

Wireless Settings			×	
2.4GHz				
WiFi Name:	Tenda_XXXXXX	Hide	- 1	
Security Mode:	WPA/WPA2-PSK	]	ic	ation
Password:			4	
5GHz				
WiFi Name:	Tenda_XXXXX_5G	Hide	- 1	
Security Mode:	WPA/WPA2-PSK		- 1	
Password:			- 1	
	Save			

#### 🔰 WiFi Name & Password

The router provides two types of frequency bands: 2.4GHz and 5GHz. You can assign a unique name containing up to 32 characters as a WiFi name, and customize a password containing up to 63 characters as a WiFi password. Note them down if you change the default one.

#### 뇌 Hide

If the **Hide** option is checked, wireless clients can't find the WiFi name of the router. You need to enter the WiFi name on each wireless client manually.

#### Security Mode

The router offers three security modes: WPA-PSK, WPA2-PSK, and WPA/WPA2-PSK. You can select one according to your needs. Or you can select **None** to share your WiFi with others without requiring a password.

### Manage the attached device

Click **Attached Devices**, the attached devices' info will pop up.



On this page, you can see the connected devices' names, IP addresses, MAC addresses, and access types. You can change a device's name or add a device to the blacklist.

#### Edit the devices' names

Click the icon  $\square$ , input a device name in the box, and click **Save**.

Att	ached Devices (2)					×
	Device Name	IP Address	MAC Address	Access Type	Add to the blacklist	
	user-PC	192.168.0.118	C8:9C:DC:3C:4F:4F	Wired	Add	
	my cellphone Save	192 168 0 116	38·AA·3C·33·76·A1	2.4G	Add	
	Iny celiphone	132.100.0.110	30.AA.30.33.70.AT	2.40	Adu	

Add to the blacklist

If you find unknown devices in your network from the **Attached Devices** list, you can add them to the blacklist by clicking the corresponding **Add** button. Devices in the blacklist can't access the internet through the router.

Attac	hed Devices (2)	)					×
	Device Name		IP Address	MAC Address	Access Type	Add to the blacklist	
	user-PC	ď	192.168.0.118	C8:9C:DC:3C:4F:4F	Wired	Add	
	my cellphone	ď	192.168.0.116	38:AA:3C:33:76:A1	5G	Add	

#### Blacklist

Devices in the blacklist can't access the internet through the router.



If you want a device that is in the **Blacklist** to connect to the router, click **Remove**.

Bla	acklist(1)			×
	Device Name	MAC Address	Remove from the blacklist	
	my cellphone	38:AA:3C:33:76:A1	Remove	

## Check system status

Click the figure of router, and then the System Status page will pop up. You can check the router's current network status: basic info, WAN status, LAN Status, and WiFi Status.



System Status		×
Basic Info		Â
System Time:	2016-08-22 17:43:58	
Running Time:	2h 7min 38s	
Firmware Version:	V15.03.4.11_multi	
Hardware Version:	V1.0	
WAN Status		
Connection Type:	DHCP	
Connection Status:	Connected	

## **Internet settings**

If you don't finish internet settings through Quick Setup Wizard, or want to change internet settings, you can complete internet settings on this page. For the steps, refer to <u>Configure the internet</u> <u>settings</u>.

Tenda	Internet Settings		English 👻   Exit
🖀 Internet Status			
🌐 Internet Settings	Select a connection type:	DHCP •	
ङ्र Wireless Settings	DNS Settings:	Get Automatically	
Guest Network   Guest Ne	Connection Status:	Connected! You can surf the Internet.	
Sleeping Mode	Connected Time:	16min 52s	
.⊈ VPN			
🔦 Advanced Settings		Save	
System Settings			

## Wireless settings

This section includes the following features:

- <u>WiFi name& password</u>
- WiFi schedule

- Wireless repeating
- <u>Channel & bandwidth</u>
- <u>Transmit power</u>
- <u>WPS</u>
- Beamforming

## WiFi name & password

If you don't customize your WiFi name and password on **internet Status** page, you can customize them using this function. Click **Wireless Settings** > **WiFi Name & Password**.

Tenda		র্ল Wireless Settings		
🖀 Internet Status	WiFi Name & Pas	ssword	×	
Internet Settings	2.4GHz			
🤿 Wireless Settings 🗸	WiFi Name:	Tenda_XXXXXX	Hide	& Bandwidth
Guest Network	Security Mode:	WPA/WPA2-PSK	•	
Sleeping Mode	Password:	•••••		
£ VPN				
Advanced Settings	5GHz			
💮 System Settings	WiFi Name:	Tenda_XXXXX_5G	🔲 Hide	
	Security Mode:	WPA/WPA2-PSK	,	
	Password:	•••••		
		Save		

🎽 WiFi Name & WiFi Password

The router provides two types of frequency bands: 2.4GHz and 5GHz. You can assign a unique name containing up to 32 characters for WiFi name, and customize a password containing up to 63 characters for WiFi password. Note them down if you change the default one.

#### 뇌 Hide

If the **Hide** option is checked, the wireless clients can't search the WiFi name of the router. You need to know the WiFi name in advance and enter the WiFi name on each wireless client manually.

#### Security Mode

The router offers three security modes: WPA-PSK, WPA2-PSK, and WPA/WPA2-PSK. You can select one according to your needs. Or you can select **None** to share your WiFi with others without requiring a password.

## WiFi schedule

This feature specifies when to enable or disable WiFi. For example, assume that you want to turn off your WiFi during 23:00~06:00, from Monday to Friday, you can configure it as follows:

- 1. Click **WiFi Schedule** button to enable this feature.
- 2. Select 23:00 and 06:00 in the Turn off WiFi during field.
- 3. Select **Specified Day**, and check the options of the corresponding days, **Mon**. to **Fri**.
- 4. Click Save.

Tenda				English 👻   Exit
🖀 Internet Status				
Internet Settings		S		A
ङ्न Wireless Settings <b>(</b>	WiFi Schedule		×	& Bandwidth
Guest Network	WiFi Schedule:			
Sleeping Mode	Turn off WiFi during:	23 <b>v</b> : 00 <b>v</b> ~ 06 <b>v</b> :	00 •	
👤 VPN	Repeat:	<ul> <li>Every Day</li> <li>Specified Day</li> </ul>	ys	
🔦 Advanced Settings		Mon Tue Wed	🖉 Thur	
💮 System Settings		Fri. Sat. Sun.		
		Save		

## Wireless repeating

When the router works in wireless repeating mode, it must connect to a wireless base station which is connected to the internet. In this circumstance, wired and wireless clients that are connected to the router can also access the internet. The router supports two wireless repeating modes: WISP and Universal Repeater.

#### Example

Your house has two floors. In the first floor, there is a router (Router A) which is connected to the internet. When you are on the second floor, the wireless signal is weak. In this case, you can deploy another router (Router B) on the second floor and make the router works in wireless repeating mode so that your wireless devices, such as laptops and smartphones, can access the internet through Router B. If you deploy AC6 on the second floor, it can works in WISP mode or Universal Repeater mode, describes as below.



### For router A:

- 1. If the DHCP server of router A is disabled, you must enable it.
- 2. Note down WiFi name and password of router A. The assumptions are shown below.

WiFi Name (SSID)	Tenda_666666_ZL
WiFi Password	66666666

### **Configure router B:**

1. Log in to the router's user interface, and click **Wireless Settings > Wireless Repeating**. Click the **Wireless Repeating** button to enable the feature.

### Functions on the router's user interface

Tenda	হ্ন Wireless Setting	s		English 👻   Exit
🖀 Internet Status				
Internet Settings		ē	<	
ଙ୍ଚ Wireless Settings ┥	WiFi Name & Password Enabled	WiFi Schedule Disabled	Wireless Repeating Disabled	Channel & Bandwidth
Guest Network				_
Sleeping Mode	Wireless Repeating			×
€ VPN	Wireless Repeating			
🔦 Advanced Settings				
System Settings		Save		

- 2. Click Please select.
- 3. Find and click the WiFi name of router A.

Wireless Repeating		×
Wireless Repeating:		
Mode: (	WISP      Universal Repeater	
Base Station WiFi Name:	Please select Scan again	
	Please select	
	Enter the WiFi name manuall	
	Tenda_666666_ZL	
	PSST-ceshi-wangwenxiu-D301 🛜	
	PSST-ceshi-liuli	

### 🗧 Tips

Router B must support router A's channel range, otherwise the WiFi name of router A won't be displayed in the **Base Station WiFi Name** list. For example, if router A works in channel 13, but the channel range of router B is 1~11, you won't find the WiFi name of router A. So you must select the correct country (the country where you use the router), because channel range varies accross countries. Or you can set router A's channel to the one within router B's channel range.

- 4. Type the WiFi password of router A.
- 5. Click Save.

Wireless Repeating	×
Wireless Repeating:	
Mode:  WISP  Universal Repeater	
Base Station WiFi Name: Tenda_6666666_ZL	Scan again
Base Station WiFi Password: 666666666	
Save	

6. Click **OK** on the prompt dialog box.



#### Check whether the bridge is successful

After this router (router B) auto-reboots, log in to this router's (router B's) user interface, and click **internet Status**. Check the connection status. If it displays **Connected! You can surf the internet**, it indicates that the bridge is successful.



If the bridge failed, try solving the problem as follows:

#### Verify that router A's DHCP server is enabled. If not,

- Enable the router A's DHCP sever, or
- Log in to router B's user interface, click **internet Settings**, select **Static IP**, type the required info in the corresponding field, and click **OK**.

### Note

- The WiFi Schedule, WPS, Guest Network, Sleeping Mode, and IPTV feature are not available when the router B is in WISP mode.
- If router B works in wireless repeating mode, configuring the wireless channel won't take effect.
- If the LAN IP network segment of router B is the same with router A, it will be changed to another IP network segment automatically. For example, if the LAN IP network segment of both router A and router B is 192.168.0.X, router B will change its LAN IP address to 192.168.1.1. After that, you can use 192.168.1.1 or the domain name tendawifi.com to log in to router B's user interface.

**Universal repeater** 



### **Configure router A:**

- 1. If the DHCP server of router A is disabled, you must enable it.
- 2. Note down WiFi name and password of router A.

WiFi Name (SSID)	Tenda_666666_ZL	
WiFi Password	66666666	

Generally, you don't need to set up other parameters of router A.

### **Configure router B:**

1. Log in to router B's user interface, and click **Wireless Settings > Wireless Repeating**. Click the **Wireless Repeating** button to enable the feature.

### Functions on the router's user interface

Tenda	হ্ন Wireless Setting	s		English 👻   Exi
🖀 Internet Status				
Internet Settings		Ś	<	
🤿 Wireless Settings	WiFi Name & Password Enabled	WiFi Schedule Disabled	Wireless Repeating Disabled	Channel & Bandwidth
Guest Network				_
Sleeping Mode	Wireless Repeating			×
€ VPN	Wireless Repeating:			
🔦 Advanced Settings				
System Settings		Save		

- 2. Select Universal Repeater.
- 3. Click Please select.
- 4. Find and click the WiFi name (wireless network name) of the base station (router A).

Wireless Repeating		×
Wireless Repeating:		
Mode:	◯ WISP ● Universal Repeater	
Base Station WiFi Name:	Please select Scan again	
	Please select	
	Enter the WiFi name manuall	
	Tenda_666666_ZL 🔶 🔶	
	PSST-Ceshi Taojiaqi FH456 🛛 🛜	
	PSST-ceshi-wangwenxiu-D301 🗢	

## Tips

Router B MUST contain the router A's channel, or the router A's WiFi name (wireless network name) won't be displayed in the **Base Station WiFi Name** list. For example, if the router A's channel is 13, but router B's channel range is 1~11, you won't find the router A's WiFi name in the **Base Station WiFi Name** list. So you'd better select the correct country (the country where you use the router), because the **Channel** range varies in different countries. Or you can set the router A's channel to the one within router B's channel range.

- 5. Type the security key (WiFi password) of the base station.
- 6. Click Save.

Wireless Repeating	×
Wireless Repeating:	
Mode: OWISP OUNIVERSAL Rep	eater
Base Station WiFi Name: Tenda_6666666_ZL	✓ Scan again
Base Station WiFi Password: 66666666	
Save	

7. Click **OK** on the prompt windows.



#### Check whether the bridge is successful

After this router (router B) auto-reboots, log in to this router's (router B's) user interface, and click **internet Status**. Check the connection status. If it displays **Bridged successfully in Universal Repeater mode**, it indicates that the bridge is successful.

### Functions on the router's user interface



#### Note

- You can only use the router B's domain name **tendawifi.com** to log in to the router B's user interface after bridge.
- The internet Setting, WiFi Schedule, WPS, Guest Network, Sleeping Mode, Parental Control, Bandwidth Control, DDNS, Virtual Server, DMZ, Remote Management, IPTV, Security, UPnP, LAN IP Settings, DHCP Reservation, and WAN Settings are not available when the router B is in Universal Repeater mode.
- The configuration of router B's channel won't take effect after bridge.
- You can't manage the attached device when the router is in Universal Repeater mode.
# **Channel & bandwidth**

Tenda	হ্ন Wireless Settings			English 👻   Exit
🖀 Internet Status				
Internet Settings	Channel & Bandw	vidth	×	
ङ्र Wireless Settings	WiFi Nam En			Channel & Bandwidth
Guest Network	2.4GHz Network Mode:	11b/g/n mixed	•	
🖗 Sleeping Mode	Channel:	Auto	· •	
👤 VPN	Transr 2.4GHz Hit Bandwidth:	20/40	•	
🔦 Advanced Settings	5GHz			
🚳 System Settings	Network Mode:	11a/n/ac mixed	•	
	Channel:	Auto	•	
	Bandwidth:	80	•	
		Save		

In this part, you can change the basic settings of your wireless network. There are two different frequency bands: 2.4GHz and 5GHz.

- Network Mode: This router supports 3 network modes for 2.4GHz frequency band, and 2 network modes for 5GHz frequency band. To change the mode, select the required mode from the Network Mode list. The default one is optimum.
- ▶ Channel: To change the wireless channel, select a number from the Channel list. Do not change the channel unless you experience interference (shown by connection failure or slow data transmission). If this happens, experiment with different channels to see which is the best. The recommended channel spacing between adjacent access points is four channels (for example, use channel 1 and 5, or 6 and 10).
- **Bandwidth:** Select one of these channel bandwidths to accommodate higher transmission speeds:
- **40** (default): Select this bandwidth to maximize the wireless throughput.
- 20: Select this bandwidth if you encounter some issues with your wireless connection.
   When the 2.4GHz network mode is set to 11b/g mixed, the 2.4GHz bandwidth can only be 20.
- **20/40:** Select this bandwidth to switch among **20** and **40** according to the situation of the current wireless network.
- **80:** Select this bandwidth to maximize the wireless throughput.
- **20/40/80:** Select this bandwidth to switch among **20**, **40** and **80** according to the situation of the current wireless network.

# **Transmit power**

There are three levels of signal strength for 2.4GHz and 5GHz frequency bands: low, medium, and high (default). Select **Low** if it can satisfy you. **Medium** offers the widest coverage range while **High** 

has strong capability of penetrating wall. Select one from them according to your needs.

Tenda	🛜 Wireless Settin	gs		English 👻   Exit
🖀 Internet Status				
Internet Settings		Ī	4	
ခု Wireless Settings	WiFi Name & Password Enabled	WiFi Schedule Disabled	Wireless Repeating Disabled	Channel & Bandwidth
Guest Network				_
😵 Sleeping Mode	Transmit Pow	/er		×
👤 VPN	<b>Ti</b> 2.40	GHz WiFi Signal: High	, Īn	
🔦 Advanced Settings	50	GHz WiFi Signal: High		
Ø System Settings		Save		

# WPS

WPS (Wi-Fi Protected Setup) allows you to join the WiFi network without typing the WiFi password. You can establish a WPS connection to your wireless router through WPS button, or PIN code.

#### To establish a WPS connection:

Log in to the router's user interface, and click **Wireless Settings > WPS**.

Tenda		s		English 👻   Exit
🖀 Internet Status				
Internet Settings		Ĩ	4	
ခု Wireless Settings	WiFi Name & Password	WiFi Schedule	Wireless Repeating	Channel & Bandwidth
Guest Network	WPS			×
Sleeping Mode	WPS:			
👤 VPN	Method One:	on the router, or this was	button Within 2 mins press the	
🔦 Advanced Settings	wireless client's WPS I	button.		·
System Settings	Method Two: Use the PIN code if yo	our wireless client asks for t	hat. PIN code: <b>57421674</b>	

Use a WPS button

If your wireless client has a WPS push button, you can use it to connect to the router.

1. Click the **WPS** button on the user interface or press the **RST/WPS** button for about 1 second on the product.



- 2. Within 2 minutes, enable WPS function on your wireless clients. For example, to enable WPS function of a SAMSUNG cellphone:
  - 1) Enter the **WLAN** setting page.
  - 2) Tap the icon entry on the bottom left corner of the cellphone.
  - 3) Select **WPS push button** on the pop-up subpage.

Then the router will negotiate with the cellphone, and establish a WPS connection.



#### Use a PIN code

If your wireless client requires a PIN code, enter the PIN code of the router into the required box.

WPS .	×
WPS:	
Method One: Press the WPS button on the router, or this WPS button. Within 2 mins, press the wireless client's WPS button.	
Method Two: Use the PIN code if your wireless client asks for that. PIN code:57421674	

Tips

The WiFi password will be changed into a random password with 63 characters if you use the PIN code to establish a WPS connection.

# Beamforming

Enabling beamforming feature can make your WiFi signal be more stable and stronger.



# **Guest network**

A guest network allows visitors at your home to use a separate SSIDs or networks without providing access to your private network. You can create a guest network for each wireless network: 2.4GHz and 5GHz.

#### To create a guest network:

- 1. Log in to the router's user interface, and click **Guest Network**.
- 2. Click Guest Network button to enable the feature.

- 3. Customize a WiFi Name for 2.4GHz network and 5GHz network respectively and a password for both of them.
- 4. Click Save.

<b>Ten</b> da	Guest Network	English 👻   Exit
🖀 Internet Status		
Internet Settings	Guest Network:	
ক Wireless Settings	2.4GHz WiFi Name:	Tenda_Guest
💿 Guest Network 🔍	5GHz WiFi Name:	Tenda_Guest_5G
😵 Sleeping Mode	Guest Network Password:	
£ VPN		
🔦 Advanced Settings		Save
🛞 System Settings		

# **Sleeping mode**

Tenda	Sleeping Mode	English 👻   Exit
🖀 Internet Status		
Internet Settings	Sleeping Mode:	
হ্ন Wireless Settings	Sleeping Mode Time:	00 • : 00 • ~ 07 • : 00 •
Guest Network		The Sleeping Mode start time will delay when data is still transmitted.
🖗 Sleeping Mode 💊		Save
£ VPN		
🔦 Advanced Settings		
System Settings		

Sleeping Mode allows you to schedule your router's working time.

#### To schedule the router's working time:

- 1. Log in to the router's user interface, and click **Sleeping Mode**.
- 2. Click **Sleeping Mode** button to enable the feature.
- 3. Select the Sleeping Mode Time during which the router will be in power saving mode.
- 4. Check or uncheck the option according to your needs. When the option is checked, the router will keep working unless there is no data transmitting.
- 5. Click Save.

Sleeping Mode	English 👻   E	Exit
Sleeping Mode:		
	If sleeping mode is enabled, the router will work in a power saving state. LEDs and W funtion will be in a sleeping state. Here's two ways to enable WiFi if you need to use it in sleeping mode: 1. Enable WiFi from the Tenda App by using Wake Up feature 2. Press the WiFi button to turn on WiFi Note: Go to Advanced Settings > Tenda App to scan the QR code for downloading.	/iFi
	Save	

Sleeping Mode	English 👻   Exit
Sleeping Mode:	
Sleeping Mode Time: 00 ▼ : 00 ▼ ~ 07 ▼ : 00 ▼	
☑ The Sleeping Mode start time will delay when data is still	I transmitted.
Save	

# Tips

If sleeping mode is enabled, the router will work in a power saving state. LEDs, WiFi and USB flash drive will be in a sleeping state.

Here's two ways to enable WiFi if you need to use it in sleeping mode:

- Enable WiFi from the Tenda App by using Wake Up feature
- Press the WiFi button to turn on WiFi

Note: Go to Advanced Settings > Tenda App to scan the QR code for downloading.

# VPN

Virtual private network (VPN) provides a secure communication to a remote computer or remote network using a public network such as the internet. This router can perform as a **PPTP Server** or **PPTP/L2TP Client** here.

- PPTP server
- PPTP/L2TP client

# **PPTP server**

When the router acts as a PPTP Server, it provides a secure virtual tunnel between your home network and a remote computer.

#### Example

You have a FTP server (LAN IP: 192.168.0.154) in your home network. If you want to visit the resources on the FTP server from the company's computer, you can refer to the following procedures.



#### Configuration

#### To set up a PPTP server:

- 1. Log in to the router's user interface, and click **VPN > PPTP Server**.
- 2. Click **PPTP Server** button to enable the feature.
- 3. Type an IP range for PPTP clients which should not overlap with the IP address of the PPTP server.
- 4. Enable **MPPE Encryption**, and select an encryption bits, **40** or **128** according to your needs.
- 5. Specify a **username** and **password** for your PPTP server, and click **Add**.
- 6. Click Save.

Tenda	≗ VPN	English 👻   Exit
🖀 Internet Status		
Internet Settings	PPTP Server	×
ङ्र Wireless Settings	PPTP Server:	
Guest Network		
💱 Sleeping Mode	Address Pool: 10.0.0.100 ~10.0.0.200	
<u>₽</u> VPN	MPPE Encryption:	
🔦 Advanced Settings	MPPE Encryption Bits:   40   128	
💮 System Settings	Status User name Password Action	
	- Add	
	Save	

To establish a VPN connection:

To access the PPTP server, you need to establish a VPN connection on your computer in the company, do as follows:

- 1. Verify that your computer is connected to the internet successfully.
- 2. Click the icon and on the bottom right corner of your desktop. Click **Open Network and Sharing Center**.



3. Click Set up a new connection or network > Connect to a workplace > Use my internet

connection (VPN).

Choos	e a connection option
-	Connect to the Internet Set up a wireless, broadband, or dial-up connection to the Internet.
2	Set up a new network Configure a new router or access point.
	Connect to a workplace Set up a dial-up or VPN connection to your workplace.
	Set up a dial-up connection Connect to the Internet using a dial-up connection.
	Next
C	
Con	nect to a Workplace

*	Use my Internet connection (VPN) Connect using a virtual private network (VPN) connection through the Internet.	
	💐 — 🎱 — 🕪	
•	Dial directly Connect directly to a phone number without going through the Internet.	
	A - D	
What	t is a VPN connection?	

4. Type the public WAN IP of the PPTP server (such as: **183.37.211.8** here) in the **internet address** field, and click **Next**.

Type the Internet a	address to connect to
Your network administr	ator can give you this address.
Internet address:	Example:Contoso.com or 157.54.0.1 or 3ffe:1234::1111]
Destination name:	VPN Connection
Use a smart card	i i
🚱 📃 Allow other peo	ple to use this connection
I his option allo	ws anyone with access to this computer to use this connection.
V Don't connect n	ow; just set it up so I can connect later

5. Type the user name and password of the PPTP server, click **Create**, and then click **Close**.

Type your user nur	ne and password	
User name:	ſ	
Password:		
	Show characters	
Densein (antianal)	Remember this password	
Domain (optional):		

Connect to a Workplace	
You are connected	
	Close

If you fail to establish a VPN connection, follow the steps below to solve the issue:

Click the icon on the bottom right corner of your desktop, and then right-click VPN Connection.

	Currently connected to:
	Dial-up and VPN   Broadband Connection
	VPN Connect Connect Properties
🖉 🚾 Խ 🍬 🖏 🚇 🍡 1:10 AM 5/13/2015	Open Network and Sharing Center

2. Click **Properties > Security**, set the **Type of VPN** to **Point to Point Tunneling Protocol (PPTP)**,

**VPN Connection Properties** × General Options Security Networking Sharing Type of VPN: Point to Point Tunneling Protocol (PPTP) • Advanced settings Data encryption: Optional encryption (connect even if no encryption) + Authentication O Use Extensible Authentication Protocol (EAP) \* Properties Allow these protocols Unencrypted password (PAP) Challenge Handshake Authentication Protocol (CHAP) Microsoft CHAP Version 2 (MS-CHAP v2) Automatically use my Windows logon name and password (and domain, if any) OK Cancel

set Data encryption to Optional encryption (connect even if no encryption), and click OK.

3. Go back to VPN connection page, click **Connect**, type the user name and password of the PPTP server in the pop-up window again, and click **Connect**.

Currently connected to:	Second Connection
Network 34 No Internet access	
Dial-up and VPN	
Broadband Connection	
VPN Connection Connect	
Properties	User name:
	Password:
	Domain:
	Save this user name and password for the following users:
	Me only
Open Network and Sharing Center	Connect Cancel Properties Help

When the VPN Connection displays **Connected**, it indicates that you are connected to the PPTP server successfully.



#### To access the FTP server:

Launch a web browser, type the address of the FTP server (**ftp://FTP server IP address: port number**, such as **ftp://192.168.0.154:21**) in the address bar, and tap **Enter** on the keyboard.

🥖 Internet E	xplorer cannot display the webpage - Windows Ir		
00-	@ ftp://192.168.0.154:21	👻 🔶 🗙 📴 Bing	۶ ج
File Edit	View Favorites Tools Help		
🙀 Favorites	: 🛛 👍 🙋 Suggested Sites 👻 🖉 Web Slice Ga	llery 🔻	

#### Then you can visit the resources on the FTP server.

ile Edit View Eavo	riter Tools Help	-	C   7	1		bing	_			~
🍃 Favorites 🛛 🝰 🔊 S	uggested Sites 🔻 🔊 V	/eb Slice Gal	llery 🔻		-		-			 0
							- <u>m</u> -		,	
1 1001 41 197.										
To view this FTP site in W	Vindows Explorer, click l	Page, and th	ien click	Ope	n FTP	Site i	n Windo	ows Explo	rer.	
To view this FTP site in W	Vindows Explorer, click 1 19,082 <u>2.png</u> 19,639 <u>3.png</u>	Page, and th	ien click	Ope	n FTP	Site i	n Windo	ows Explo	rer.	
Го view this FTP site in V 15/12/2015 10:27АМ 15/12/2015 10:21АМ	Vindows Explorer, click l 19,082 <u>2.png</u> 19,639 <u>3.png</u>	Page, and th	en click	Ope	n FTP	Site i	n Windo	ows Explo	rer.	-

# **PPTP/L2TP** client

When acts as a PPTP/L2TP client, the router helps you to establish a secure communication between the attached devices and the PPTP/L2TP server provided by individual or internet Service Provider. Then all the devices connected to the router can access the exclusive resources network through the PPTP/L2TP server.



#### To set up PPTP client:

- 1. Log in to the router's user interface, and click VPN > PPTP/L2TP Client.
- 2. Click **PPTP/L2TP Client** button to enable the feature.
- 3. Select PPTP.
- 4. Click to enable MPPE Encryption, and select an encryption bits, **40** or **128** according to your needs.
- 5. Type the server IP/domain name, user name, and password of the PPTP server.
- 6. Click Save.

Tenda	≗ VPN	English 👻   Exit
🖀 Internet Status	PPTP/L2TP Client X	
Internet Settings	PPTP/L2TP Client:	
ङ्र Wireless Settings	Client Type:   PPTP   L2TP	
Guest Network	MPPE Encryption:	
Sleeping Mode	MPPE Encryption Bits:   40   128	
<u>₽</u> VPN	Server IP/Domain Name:	
≪ Advanced Settings	User name:	
💮 System Settings		
	Password.	
	Status: Disconnected	
	Connect	

#### To set up L2TP client:

- 1. Log in to the router's user interface, and click **VPN > PPTP/L2TP Client**.
- 2. Click PPTP/L2TP Client button to enable the feature.
- 3. Select L2TP.
- 4. Type the server IP/domain name, user name, and password of the L2TP server.
- 5. Click Save.

Tenda	≗ VPN	English 👻   Exit
🖀 Internet Status	PPTP/L2TP Client X	
Internet Settings	PPTP/L2TP Client:	
ङ्ग Wireless Settings	Client Type: O PPTP OL2TP	
Guest Network	Server IP/Domain Name:	
Sleeping Mode	User name:	
<u>₽</u> VPN	Password:	
🔦 Advanced Settings	Status: Disconnected	
System Settings		
	Connect	

J

# **Advanced settings**

This section includes the following features:

- Parental control
- Bandwidth control
- <u>Tenda APP</u>
- LED control
- DDNS
- <u>Virtual server</u>
- <u>DMZ</u>
- Remote management
- <u>IPTV</u>
- <u>Firewall</u>
- Static routing
- <u>UPnP</u>

# **Parental control**

With Parental Control, you can only allow your teenager to visit some specified sites and restrict access by time.

#### To control access to the internet:

- 1. Log in to the router's user interface, and click **Advanced Settings > Parental Control**.
- 2. Click the selected device's pencil icon  $\checkmark$  on the right.

Tenda	Advanced Settings					E	nglish 👻   Exit
🖀 Internet Status	Parental Control					×	
Internet Settings	Device Name	ID Address	MAC Address	Status	Action		
🛜 Wireless Settings	Device Name	IF Address	MAC Address	Status	Action		ol
	user-PC	192.168.0.118	c8:9c:dc:3c:4f:4f	20	τ, The second s		
Guest Network					Add		
Sleeping Mode							
<u>₽</u> VPN							ement
Advanced Settings							
💮 System Settings							
单 VPN ペ Advanced Settings ⓒ System Settings							ement

3. Click Edit to customize a device name for easy recognition.

Tenda	≪ Advanced Sett	ings	English 👻   Exit
Internet Status	Parental Control	;	×
Internet Settings			
ခု Wireless Settings	Device Name:	user-PC Edit	ol
Guest Network	Internet Accessible Time:	19 <b>v</b> 00 <b>v</b> ~ 21 <b>v</b> 00 <b>v</b>	
💱 Sleeping Mode	Repeat:	Every Day     Specified Days	
<u>₽</u> VPN		<ul> <li>✓ Sun.</li> <li>✓ Mon.</li> <li>✓ Tue.</li> <li>✓ Wed.</li> <li>✓ Thur.</li> <li>✓ Fri.</li> <li>✓ Sat.</li> </ul>	ement
≪ Advanced Settings	Website Limit:		
System Settings	Access Control:	Blacklist     White List	
	Forbidden Websites:	Please enter the key words of websites.	
		Please enter the key words of the websites, and separate them with ",". For example: "eHow,google" means that only ehow and google are forbidden.	
		Save Cancel	

4. Click **Complete** to save it.

Tenda	Advanced Sett	ings	English 👻   Exit
🖀 Internet Status	Parental Control		×
Internet Settings			
奈 Wireless Settings	Device Name:	user-PC Complete	ol
Guest Network	Internet Accessible Time:	19 <b>v</b> 00 <b>v</b> ~ 21 <b>v</b> 00 <b>v</b>	
Sleeping Mode	Repeat:	Every Day     O Specified Days	
. <u>₽</u> . VPN		<ul> <li>✓ Sun.</li> <li>✓ Mon.</li> <li>✓ Tue.</li> <li>✓ Wed.</li> <li>✓ Thur.</li> <li>✓ Fri.</li> <li>✓ Sat.</li> </ul>	ement
Advanced Settings	Website Limit:		
System Settings	Access Control:	Blacklist      White List	
	Forbidden Websites:	Please enter the key words of websites.	
		Please enter the key words of the websites, and separate them with ",". For example: "eHow,google" means that only ehow and google are forbidden.	

- 5. Select the time you allow your teenager to access the internet, for example: 07:00pm~10:00pm.
- 6. Select Specified Days.
- 7. Select the days you apply the rule, for example: Monday to Friday.
- 8. Disable **Website Limit** (enabled by default) and click **Save**.

Tenda	Advanced Sett	ngs		English 👻   Exit
🖀 Internet Status				
Internet Settings	<b>*</b> *			
	Parental Control			× <sup>ol</sup>
Guest Network	Device Name:	user-PC E	dit	
😵 Sleeping Mode	Internet Accessible Time:	19 <b>v</b> 00 <b>v</b> ~ 21 <b>v</b>	00 •	
👤 VPN				ement
Advanced Settinged	Repeat:	Every Day Specified Data	ays	
V Mutunceu setunga		🗌 Sun. 🕑 Mon. 🕑	Tue. 🕑 Wed.	
System Settings		🖉 Thur. 🕑 Fri. 🔲 🤅	Sat.	
	Website Limit:			
		Save Cance		

To use key words to allow/forbid access to specified websites

To block your teenager from visiting some inappropriate and dangerous sites, you can forbid them

to access these websites, or only allow them to visit some specified websites.

- 1. Select **Blacklist** (forbid to access the following websites) or **White List** (only allow to access the following websites) according to your needs.
- 2. Type the key words of the websites you want to allow/forbid to access.
- 3. Click Save.

Tenda	Advanced Settings	English 👻   Exit
🖀 Internet Status	Parental Control	×
🜐 Internet Settings		
奈 Wireless Settings	Device Name: user-PC Edit	ol
Guest Network	Internet Accessible Time: 19 V 00 V ~ 21 V 00 V	
😵 Sleeping Mode	Repeat: <ul> <li>Every Day</li> <li>Specified Days</li> </ul>	
€ VPN	<ul><li>Sun. 𝒞 Mon. 𝒞 Tue. 𝒞 Wed.</li><li>𝒞 Thur. 𝒞 Fri. □ Sat.</li></ul>	ement
Advanced Settings	Website Limit:	
System Settings	Access Control:  Blacklist White List	
	Permitted Websites: Please enter the key words of websites.	
	Please enter the key words of the websites, and delimit them with ",". For example: "eHow,google" means that only ehow and google are accessible.	
	Save Cancel	

#### To set up rules for an off-line device

If the device you want to control doesn't connect to the router at the moment, you can also control it by adding its MAC address.

#### Configuration

#### 1. Click Add.

Tenda	Advanced Sett	ings				English 👻   Exit
🖀 Internet Status	Parental Control					×
Internet Settings						
- Wireless Cattings	Device Name	IP Address	MAC Address	Status	Action	ol
references Settings	user-PC	192.168.0.118	c8:9c:dc:3c:4f:4f	2.	$\blacksquare \oslash$	
Guest Network					Add	
Sleeping Mode						
👤 VPN						ement
System Settings						

- 2. Specify a device name for the device, for example, *Kid's smart phone*.
- 3. Type the MAC address of the device.
- 4. Select the time you allow your teenager to access the internet, for example: 07:00pm~10:00pm.
- 5. Select Specified Days.
- 6. Select the days you apply the rule, for example: Monday to Friday.

Tenda	Advanced Sett	ings	English 👻   Exit
a Internet Status	Parental Control		×
Internet Settings	Device Name:	Kid's smart phone	
ङ्र Wireless Settings	MAC Address:	38:bc:fa:af:d1:1f Format: XX:XX:XX:XX:XX:XX:XX	ol
Guest Network	Internet Accessible Time:	19 <b>v</b> 00 <b>v</b> ~ 21 <b>v</b> 00 <b>v</b>	
Sleeping Mode	Repeat:	Every Day	
👤 VPN		Sun. I Mon. I Tue. I Wed.	ement
Advanced Settings		🖉 Thur. 🖉 Fri. 🔲 Sat.	
🙁 System Settings	Website Limit:		
	Access Control:	Blacklist	
	Forbidden Websites:	facebook	
		Please enter the key words of the websites, and separate them with ",". For example: "eHow,google" means that only ehow and google are forbidden.	
		Save Cancel	

- 7. Select **Blacklist** (forbid to access the following websites) or **White List** (only allow to access the following websites) according to your needs.
- 8. Type the key words of the websites you want to allow/forbid to access.
- 9. Click Save.

# **Bandwidth control**

Bandwidth Control improves network performance by specifying the download/upload speed for connected clients. The example below shows how to configure Bandwidth Control feature. You can configure it based on your own needs by referring to the example.

#### Example

Always several devices share 4M broadband service in your home. You recently have to watch lots of news videos to prepare for a special program but only to find it's hard to go through the videos smoothly. Your notebook starves for more bandwidths.

In this case, you can choose to configure a download bandwidth rule in Bandwidth Control to allocate sufficient bandwidth for your notebook. Upload bandwidth rule is not always used unless you have to upload lots of files and videos.

#### Configuration

- 1. Log in to the router's user interface, and click **Advanced Settings > Bandwidth Control**.
- 2. Select a download speed for your notebook.
- 3. Click Save.

Tenda	a «, /	Advanced Sett	ings				English 👻	Exit
🖀 Internet Stat	Bandwidth Co	ontrol					×	
Internet Sett	Bandwidth Control:						_	
奈 Wireless Se	Device Name	Device Info	Current Speed	Upload Limit	Download Limit	Status	Action	
Guest Netwo	Optional	MAC Address		Unlimited -	Unlimited -		Add	
<ul> <li>Sleeping Mo</li> <li>VPN</li> </ul>	user-PC	c8:9c:dc:3c:4f:4f 192.168.0.118	↑ 0.00Mbps ↓ 0.00Mbps	Unlimited -		2.		
Advanced 9					1Mbps		- 1	
🛞 System Sett					4Mbps Manual		- 1	
							_	
							_	
				Save				

# Tenda App

Tenda App allows you to manage your router anywhere and anytime through your smart phone, iPad, etc. with the Tenda App. To manage the router remotely using the Tenda App, you need to register a Tenda App account, and attach the router to the account.

### Step 1: To download the Tenda App:

- 1. Log in to the router's user interface, and click **Advanced Settings > Tenda App**.
- 2. Scan the QR code on the page to download the Tenda App using your smart devices.

💱 Sleeping Mode	Tenda App	×	$\left  \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \end{array} \right $
🗄 USB Application	Tenda App:		mote Management Disabled
<u>₽</u> VPN	When enabled, you can manage your router remotely with Tenda App.		
🔍 Advanced Settings		Scan to	UPnP
System Settings	Save	download Tenda App.	UPnP Enabled

### Step 2: To register an account:

Use the Tenda App to register an account. Please download the User Guide of the **Tenda WiFi** App (the name of the app) from <u>http://www.tendacn.com/</u> for details.

Register				
0				
🖂 Email				
Password, 5–32 characters	$\bigcirc$			
Verification Code	Q 08			
Register				

#### Step 3: To attach the router to an account:

- 1. Connect to the router's WiFi using your smart device (smart phone, etc.).
- 2. Open Tenda WiFi App on your smart device.
- 3. Log in to Tenda App account.
- 4. Click Add button.

<	Tenda Cloud			<	Cloud Management	
	$\bigcirc$				$\bigcirc$	
R E-Mail				١	/ou can manage your router remotely now.	
0			R	Route lis	tt(1)	_
🛱 Password					Tenda_000118LOCAL	online
		Forget Password			AC 6	
	Login					
					Add	
	Sign Up					

5. Type the router's login password, and click **OK**.



## Step 4: To enable the Tenda App feature

- 1. Log in to the router's user interface, and click **Advanced Settings > Tenda App**.
- 2. Click Tenda App button to enable the feature.

The router will obtain an ID and detect the attached account automatically.

3. Click Save.

Tenda	Advanced Set	tings		English 👻   Exi
🖀 Internet Status				
Internet Settings	<b>*</b> *			Č
ङ् Wireless Settings	Parental Control	Bandwidth Control	Tenda App	LED Control
Guest Network	Tenda App			×
Sleeping Mode	Tenda App	:	■	
<u>€</u> VPN	ID:	1168575		Management sabled
Advanced Settings	Account	Connecting server	Scan	to
System Settings			downlo Tenda /	pad PnP
		Save		IPnP tabled

**Tips** 

The **ID** is the unique number of the router for Tenda App management. The **Tenda WiFi** App uses the **ID** to find and manage the router remotely. It is not editable, and you don't need to edit it.

# **LED control**

**LED Control** allows you to turn ON/OFF LED indicators for power saving, or other purpose when the router is still working.



- LED ON: All LED indicators will work normally.
- LED OFF: All LED indicators will be off.
- LED Schedule: All LED indicators will be off during the time you specified.

#### To specify the settings of LED Control:

- 1. Log in to the router's user interface, and click **Advanced Settings > LED Control**.
- 2. Check an option according to your needs.
- 3. Click Save.

Tenda	Advanced Settings	English 👻   Exit
🖀 Internet Status		
Internet Settings	<b>†</b> 🔊 🙆	
ङ्र Wireless Settings	Parental Control         Bandwidth Control         Tenda App           Not Configured         Disabled         Disabled	LED Control Disabled
Guest Network	LED Control	×
💱 Sleeping Mode	LED Control:  LED ON  LED OFF LED Schedule	
£ VPN	Turn off LED during: 00 ▼ : 00 ▼ ~ 07 ▼ : 00 ▼	o <b>te Management</b> Disabled
Advanced Settings		
💮 System Settings		UPnP
	Save	UPnP Enabled

# DDNS

DDNS function maps all the changeable WAN IP addresses to one static domain name. In this circumstance, you can access a service through the static domain name instead of changeable IP addresses.

DDNS always works with other functions, such as Virtual Server and Remote Management. In the following configuration steps, we assume that:

- The router has configured Virtual Server to map the ftp service.
- The registered DDNS information is shows as below:

Domain name: tenda.dyndns.org

Username: tenda

Password: 12345678.

#### Configuration

- 1. Log in to the router's user interface, and click **Advanced Settings > DDNS**.
- 2. Click **DDNS** button to enable the feature.
- 3. Select a service provider, dyndns.org here.
- 4. Type the username, password and domain name in the corresponding boxes: tenda, 12345678

and tenda.dyndns.org.

5. Click Save.

Tenda	Advanced Settings		English 👻   Exit
🖀 Internet Status			
Internet Settings	DDNS	×	) Č
奈 Wireless Settings	Par No DDNS:		LED Control Disabled
Guest Network	Service Provider:	dundas org	
Sleeping Mode	Service Provider.		
₽ VPN	User name:		Remote Management Disabled
Advanced Settings     Advanced Setti	Password:		
System Settings	Domain Name:		UPnP
	Connection Status:	Disconnected	UPnP Enabled
		Save	
Verification			
Inte	ernet	IP: 192.168.0.10	1
	183.38.7.216	IP:192.168.0.102	2

After the configuration above, your friend can access your ftp server through <u>ftp://tenda.dyndns.org</u> instead of <u>ftp://183.38.7.216:21</u> to download the giant file.



# Virtual server

Virtual Server helps you to direct network traffic from the internet to a specific port or a specific range of ports to a device or number of devices on your local network. If you have a server in your home network, you can allow certain types of incoming traffic to reach the server. For example, you might want to make a local web server, or FTP server visible and available to the internet.

#### Example

You have a FTP server (IP: 192.168.0.150) in your home network. When work in the company, you want to visit the resources on the FTP server.



Company

## Configuration

- 1. Log in to the router's user interface, and click **Advanced Settings > Virtual Server**.
- 2. Type the IP address of the computer that established the FTP server (192.168.0.105 here).
- 3. Select the FTP server default port (21), the extranet port will be auto-filled. If you select **Manual**, you need to enter the extranet port manually, too.
- 4. Select a protocol. If you don't know which protocol the server use, you can select **TCP/UDP**.
- 5. Click Add.
- 6. Click Save.

Tenda	≪ Advanced S	ettings				English 👻   Exit
🖀 Internet Status	Virtual Server					×
Internet Settings						
	Internal IP	Internal Port	External Port	Protocol	Action	ol
Guest Network		21 •		TCP •	Add	
Sleeping Mode						
👤 VPN						ement
Advanced Settings						
🛞 System Settings						
			Save			

#### Verification

When you're in the company, you can use your computer to access the FTP server by entering "<u>ftp://183.37.211.8:21</u>" in a browser.

New Tab	×	
← ⇒ C	htp://183.37.211.8:21	=

# **A**Note

You can use the public WAN IP address to access the FTP server remotely, but most people don't know what their IP addresses are or when this number changes for the public WAN IP of the router is usually dynamic. To solve the problem, you can use the <u>DDNS</u> feature.

### DMZ

DMZ function allows internet users to access all services of a local DMZ host.

Tenda	≪ Advanced Set	tings		English 👻   Exit
🖀 Internet Status				
Internet Settings	<b>Λ</b> λ			Č.
奈 Wireless Settings	Parental Control Not Configured	Bandwidth Control Disabled	Tenda App Disabled	LED Control Disabled
Guest Network	DMZ		×	
Sleeping Mode	Í			
👲 VPN	DDN Disab	DMZ:		Remote Management Disabled
🔦 Advanced Settings		DMZ Host IP: 192.168.0. 100	)	
System Settings	Č			UPnP
	<b>IPT</b> Disab	Save		UPnP Enabled

#### Example

You want to create a DMZ host in your computer for messages transmitting through the HTTP server.

#### Configuration

- 1. Login to the router's user interface, click **Advanced Settings** > **DMZ**, to configure detailed settings.
- 2. Click **DMZ** button to enable the feature.
- 3. DMZ Host IP: Enter the IP address of your computer (for example: 192.168.0.100 here. It is the IP address of the computer with DMZ host created) in the **DMZ Host IP** field.
- 4. Click **Save** to activate your settings.

# ANote

Once enabled, the DMZ host loses protection from the firewall of the router and becomes vulnerable to internet attacks. If you do not need to use DMZ host, disable it as soon as possible.

### **Remote management**

This section can help you to manage your router remotely.

Example

You want to manage your home network when you are in the company. Assume that the WAN IP address of your company's network is "202.165.100.105", and it is a public IP address (Only when the IP is a public IP, can this router can be managed remotely). And your router at home is working properly, the WAN IP is "190.136.2.5", and it's a public IP address as well.

Now configure the router to provide remote web management.

## Configuration

- 1. Log in to the router's user interface, and click **Advanced Settings > Remote Management**.
- 2. Click **Remote Management** button to enable the feature.
- 3. Type the remote IP Address in the box: 202.165.100.105 here.
- 4. If you don't know the WAN IP of your company's network, you can type 0.0.0.0 here.
- 5. Specify a port, the default is 8080. Don't change it if unnecessary.
- 6. Click Save.

Tenda	🔦 Advanced Settings	English →   Exit
🖀 Internet Status		
Internet Settings		
হ্ন Wireless Settings	Parental Control Bandwidth Control Tenda App	LED Control Disabled
Guest Network   Guest Ne	Remote Management	×
😵 Sleeping Mode	Remote Management:	$\square$
. € VPN	Remote IP Address: 202.165.100.105	Remote Management Disabled
Advanced Settings	Port: 8080	
System Settings		UPnP
	Save	UPnP Enabled

#### Verification

When you're in the company, you can use your computer to access your router's user interface by entering "<u>http://190.136.2.5:8080</u>" in a browser.



Remote Web Management + DDNS

However, in the example above, the WAN IP of the router in your home may not always be static. You can give the WAN IP a static host name through DDNS to maintain the connection between your router and the computer in your company. Go to "<u>DDNS</u>" for details to configure a username, password, and domain name.

Assume you signed up an account *tenda01.3322.org* from dyndns.org, the username is *tenda01*, and the password is *1234567890*.

After you bind a static hostname to the WAN IP, when you're in the company, you can also access the router's user interface by entering "<u>http://tenda01.3322.org:8080</u>" in a browser of your computer in the company.

(<-) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (<->) (	,0 - →

## IPTV

The wireless router supports IPTV feature.

Log in to the router's user interface, and click **Advanced Settings > IPTV**.

Tenda	Advanced Setting	English 👻   Exit		
🖀 Internet Status				
Internet Settings	<b>Å</b> k			Č.
	Parental Control Not Configured	Bandwidth Control Disabled	Tenda App Disabled	LED Control Disabled
Guest Network	IPTV			×
Sleeping Mode	Multicopt			
👤 VPN	Mulicasi	·		te Management Disabled
🔦 Advanced Settings	Set-top Box	Tip: Please conr Router's LAN3/IF	nect the Set-top Box to the PTV port.	
🛞 System Settings				UPnP
		Save		UPnP Enabled

#### Multicast

**Multicast:** If the Multicast is enabled, you can get the multicast videos resources from the internet. If you want to watch some online videos, such as football games, you'd better enable **Multicast**.

1. Click **Multicast** button to enable the feature.

2. Click **Save** to activate the settings.

IPTV	×
Multicast:	
Set-top Box: Tip: Please connect the Set-top Box to the Router's LAN3/IPTV port.	
Save	

#### Set-top Box

If you has a set-top box at home, and also order IPTV service from your internet Service Provider. Enable the Set-top Box feature, and connect your set-top box to port 4 of your router.

- 1. Click **Set-top Box** button to enable the feature.
- 2. Select a zone: Consult internet Service Provider for specific information of this part.
- 3. Click **Save** to activate the settings.

Then you can enjoy the videos on your smart TV.

IPTV		×
Multicast:		
Set-top Box:	Tip: Please connect the Set-top Box to the Router's LAN3/IPTV port.	
Select a zone:	No VLAN ID V	
	No VLAN ID	
	Custom	
	Shanghai	
	Save	

# Tips

When the IPTV feature is enabled, the Wireless Repeating is not available.

# Firewall

The Firewall feature helps you to secure your network. Don't change the default settings unless Tenda technical support suggests to do so, or you are guided by some professional person.



# Static routing

Static routing feature provides more routing information to your router. A static route is a pre-determined path that network information must travel to reach a specific host or network. Typically, you do not need to add static routes. You have to configure static routes only for unusual cases such as multiple routers or multiple IP subnets on your network. There are several default routes in the list which can't be deleted or edited.

Tenda	« Advanced	Settings				English 👻   Exit
🖀 Internet Status	Static Routing					×
Internet Settings						
奈 Wireless Settings	Target Network	Subnet Mask	Gateway	Interface	Action	о
Guest Network					Add	
Construction	0.0.0.0	0.0.0.0	192.168.3.1	vlan2	System	
Sleeping Mode	192.168.0.0	255.255.255.0	0.0.0.0	br0	System	
🚊 VPN	192.168.3.0	255.255.255.0	0.0.0.0	vlan2	System	ement
Advanced Settings	224.0.0.0	240.0.0.0	0.0.0.0	br0	System	
System Settings						
			Save			

#### To set up a static route:

- 1. Log in to the router's user interface, and click **Advanced Settings > Static Routing**.
- 2. Type the IP address of the target network.
- 3. Type the subnet mask for this target network.
- 4. Type the gateway IP address.
- 5. Click Add.
- 6. Click Save.

The parameters in the screenshot below are for examples.

tic Routing				
Target Network	Subnet Mask	Gateway	Interface	Action
				Add
0.0.0.0	0.0.0.0	192.168.3.1	vlan2	System
192.168.0.0	255.255.255.0	0.0.0.0	br0	System
192.168.3.0	255.255.255.0	0.0.0.0	vlan2	System
224.0.0.0	240.0.0.0	0.0.0.0	br0	System
192.168.100.0	255.255.255.0	192.168.3.10		Delete
		Sava		

If you don't want to use the static route you set up before any more, just click **Delete** button, and click **Save** to delete it.

# UPnP

When UPnP is enabled on your router, a network device possessing a specific purpose, such as a printer, can be identified and used automatically by another computer or device in your network.

Log in to the router's user interface, and click **Advanced Settings > UPnP**.

It is advisable to keep the default settings.

Tenda	<ul> <li>Advanced Settings</li> </ul>						English 👻   Exit		
🖀 Internet Status									
Internet Settings	1	Ň.						ò	
ক্ Wireless Settings	Parenta Not Co	al Control	Bandwidth Disabl	Control ed	Tenda A Disable	<b>\pp</b> ed		LED Control Disabled	
Guest Network									
😵 Sleeping Mode	UF	PnP			$\frown$		×		
♥ VPN		1	UPnP:					Disabled	
			E			<b>D</b>			
System Settings		Remote Host	External Port	Internal Host	Internal Port	Protocol		UPnP	
								UPnP Enabled	

# System settings

This section describes how to administer and maintain your router and home network, including the following features:

- LAN IP settings
- DHCP reservation
- WAN settings
- <u>Time settings</u>
- Login password
- <u>Reboot</u>
- Firmware upgrade
- Backup/Restore
- System status
- System log
- <u>Auto maintenance</u>
- <u>Reset</u>

## LAN IP settings

Here you can change the LAN IP address, enable/disable DHCP server, or specify the LAN IP address pool and the lease time.

Log in to the router's user interface, and click **System Settings > LAN IP Settings**.
Tenda	System Settings	English 👻   Exit
🖀 Internet Status		
Internet Settings		Û
ক্ Wireless Settings	LAN IP Setting X	ne Settings
Guest Network   Guest Ne	LAN IP Address: 192.168.0.1	
🖗 Sleeping Mode	DHCP Server:	
👤 VPN	IP Address Range: 192.168.0. 100 ~ 200	kup/Restore a file to local host
🔦 Advanced Settings	Lease Time: 1 day 🔹	
🛞 System Settings	DNS Settings:	<b>₽</b>
		Reset all settings of the router
	Save	

#### LAN IP address

Here you can customize a LAN IP for your local area network.

When you use the wireless repeating feature, you might need to change the LAN IP address in case there is an IP conflict between the LAN IP of the router and base station.

#### **DHCP** server

DHCP server can automatically assign the broadband service information (IP Address, Subnet Mask, Gateway and DNS Server Address) to the computer or smartphone, or other devices in your network wirelessly or through Ethernet cables. Do not disable this function until you want to configure the IP address manually for each device in your network by yourself.

#### 🗧 Tips

The DHCP Server will be disabled automatically when you use the Universal Repeater (Client + AP) feature.

#### **IP** address range

When the DHCP server is enabled, the router will assign IP addresses to the attached devices. IP address range is the range of their IP addresses.

#### Lease time

Select the lease time of the IP assigned automatically, say **1 Day**. When the lease time is used up, the IP will renew automatically. So you don't need to reset it manually.

#### **DNS** settings

Here you can set up preferred DNS server and alternate DNS Server for the router's clients' device. Typically, if you don't enable **DNS Settings**, the DHCP Server of the router will assign the default preferred DNS server (the LAN IP of the router) to the router's clients' device. The feature is disabled by default.

Tenda	System Settings	English 👻   Exit
🖀 Internet Status	LAN IP Setting	10
🌐 Internet Settings		Ü
奈 Wireless Settings	LAN IP Address: 192.168.0.1	me Settings
Guest Network	DHCP Server:	
Sleeping Mode	IP Address Range: 192.168.0. 100 ~ 200	
👲 VPN	Lease Time: 1 day 🔹	ckup/Restore a file to local host
🔦 Advanced Settings	DNS Settings:	
③ System Settings	Preferred DNS Server:	Reset
	Alternate DNS Server:	all settings of the router
	Save	

## **DHCP** reservation

When you specify a reserved IP address for a computer on the LAN, that computer always receives the same IP address each time it accesses the router's DHCP server. Assign reserved IP addresses to computers or servers that require permanent IP settings. For example, when you use DMZ or Virtual Server feature, you'd better specify a reserved IP address for your computer.

#### To reserve an IP address:

- 1. Log in to the router's user interface, and click **System Settings > DHCP Reservation**.
- 2. Customize a device name, like *computer* here.
- 3. Type the MAC address of the computer, like *c8:9c:dc:40:26:83* here.
- 4. Specify a reserved IP address for the computer, like *192.168.0.150* here.

Tenda	System	System Settings					▼   Exit
🖀 Internet Status							
🜐 Internet Settin	DHCP Reservation					×	
হ্ন Wireless Setti	Device Name	MAC Address	IP Address	Status	Action		
Guest Networ   Guest Networ	computer	c8:9c:dc:40:26:83	192.168.0.150		Add		
Sleeping Mod	android-652f46 🗹	40:f3:08:f9:32:97	192.168.0.112 -	20	Ø		
<u></u> € VPN	user-PC 📝	c8:9c:dc:3c:4f:4f	192.168.0.118 🔻	20	Ø		
🔦 Advanced Set							
🛞 System Settii							

#### 5. Click Add.

Tenda	System	System Settings					-   Exit
🖀 Internet Status							
🜐 Internet Settin	DHCP Reservation					×	
	Device Name	MAC Address	IP Address	Status	Action		
Guest Networ	Optional				Add		
Sleeping Mod	android-652f46 🗹	40:f3:08:f9:32:97	192.168.0.112 -	2.	Ø		
.⊈ VPN	user-PC 🛛	c8:9c:dc:3c:4f:4f	192.168.0.118 -	2.	Ø		
🔦 Advanced Set	computer 🛛	c8:9c:dc:40:26:83	192.168.0.150	20	2		
System Setti							

After the configuration saved, it will take effect as soon as the computer connects to the router next time.

## WAN settings

Log in to the router's user interface, and click **System Settings > WAN Settings**.

Tenda	System Settings	English 👻   Exit
🖀 Internet Status		
Internet Settings	🔹 🤹 🔗	
奈 Wireless Settings	LAN IP Settings DHCP Reserve WAN Settings	ation WAN Settings Time Settings
Guest Network		
Sleeping Mode	MTU: 1500	
👤 VPN	WAN Speed: Auto-n	egotiation   Backup/Restore  ckup a file to local host
🔦 Advanced Settings	MAC Address: Default	t •
🛞 System Settings	Default M	AC Address:C8:3A:35:4E:8F:A9
		Reset lear all settings of the router

#### MTU

Do not change the default value unless necessary. If you are unable to open some website, to receive or send emails, etc., try to minimize the MTU value until your network returns to normal.

MTU	Applications
1500	Typical for connections that do not use PPPoE or VPN
1492	Used in PPPoE environments.
1472	Maximum size to use for pinging. (Larger packets are fragmented.)
1468	Used in some DHCP environments.
1436	Used in PPTP environments or with VPN.

#### Tips

An incorrect MTU setting can cause internet communication problems. You might not be able to access certain websites, secure login pages, or FTP or POP servers.

#### WAN speed

By default, the WAN rate is **1000M auto-negotiation**. Generally, it is not advisable to change the default value. When the cable length between your router and the remote device (modem, router, etc.) is relatively long, you can set WAN rate to 10M FDX or 10M HDX to enhance transmission rate.



#### MAC address

Some ISPs will bind your broadband account info and a specified MAC address of your computer together. If you can only access the internet with a specified computer without a router, you can try cloning MAC address for normal internet access.

WAN Settings		×
MTU:	1500	
WAN Speed:	Auto-negotiation •	
MAC Address:	Default Default Clone MAC Address Manual BF:A9	
	Save	

- **Default**: **Default** is the MAC address of the router's WAN port.
- **Clone MAC Address**: **Clone MAC Address** indicates that the router will clone the MAC address of local computer (the current computer used to configure the router).

If you want to clone other MAC address, select **Manual** and type the Mac address in the following box.

WAN Settings		×
MTU:	1500	
WAN Speed:	Auto-negotiation •	
MAC Address:	Manual •	
(	Format: XX:XX:XX:XX:XX:XX	
	Save	

## Time settings

Log in to the router's user interface, and click **System Settings > Time & Date**. This part is used to set the router's system time. Select your time zone, and you will get the GMT time from the internet and the system will automatically connect to NTP server to synchronize the time.

Tenda	System Settings Englis			
Internet Status				
Internet Settings	中	6		<u>(</u>
奈 Wireless Settings	LAN IP Settings 192.168.0.1	DHCP Reservation Not Configured	WAN Settings MTU/MAC/Speed	Time Settings
Guest Network				
Sleeping I	e Settings			×
<u>₽</u> VPN	Select Time Zone:	(GMT+08:00) Beijing, Chongqin	ıg, Hong Kong, Urumqi, Taipei	v
🔦 Advanced				
⊙ System S		Save		

## Tips

To make some time-based features (e.g. WiFi Schedule, Parental Control, Sleeping Mode, LED Control) effective, the time should be set correctly.

## Login password

To secure your network, you'd better set a login password up.

Tenda	System Se	English 👻   Exit		
🖀 Internet Status				
Internet Settings	央	6		Ð
হ্ন Wireless Settings	LAN IP Settings	DHCP Reservation	WAN Settings	Time Settings
Guest Network	Login I	Password		×
💱 Sleeping Mode		Old Password:		
👤 VPN	Log Cha	New Password:		Backup/Restore Backup a file to local host
🔦 Advanced Settings	Cor	nfirm Password:		
🛞 System Settings				
	Sy			Reset
		Save		Clear all settings of the router

To change the login password:

- 1. Type the old password.
- 2. Customize a new login password.
- 3. Type the new password again, and click Save.

#### 🗧 Tips

- There is no login password by default. The old login password is that you set up in Quick Setup Wizard.
- After successful configuration, you need to log in to the user interface again with the new login password.

## Reboot

Rebooting the router will activate any modified settings on the router. When the parameters you set can't take effect or the router can't be used normally, please try rebooting your router to solve these problems. Note that when the router is rebooting, do not power off any relevant devices (router, computer, etc.).

Log in to the router's user interface, and click **System Settings > Reboot**.



## Firmware upgrade

Tenda website offers the latest software version for your router. Follow steps below to upgrade the device if you want.

#### Local upgrade

Log in to the router's user interface, and click **System Settings > Firmware Upgrade**.

Tenda	System Setting	gs		English 👻   Exit
🖀 Internet Status				
Internet Settings	<b>\$</b>	6		Ġ
奈 Wireless Settings	LAN IP Settings	DHCP Reservation	WAN Settings	Time Settings
Guest Network	Firmware Upgrade			×
🖗 Sleeping Mode	Current V	ersion: V15.03.4.11_multi		
👤 VPN	Upgrade	e Type: 🖲 Local Upgrade 🛛 🔘	) Online Upgrade	estore liocal host
🔦 Advanced Settings	Select a Upgrad	de File: Choose File No file of	chosen	
🛞 System Settings				
		Update Now		e <b>t</b> ngs of the r

#### Configuration

- 1. Download the firmware file from Tenda website <u>http://www.tendacn.com</u>, save and unzip it to your local computer.
- 2. Click Choose file to locate and select the upgrade file (.bin file) you saved.
- 3. Click Update Now to start the upgrade process.

#### Online upgrade

The router will detect the latest software automatically. When a newer software version is detected, you can upgrade.

Tenda	System Setting	S		English 👻   Exit
🖀 Internet Status				
Internet Settings	<b>-\$</b> _	0		<b>(L</b> )
奈 Wireless Settings	LAN IP Settings 192.168.0.1	DHCP Reservation Not Configured	WAN Settings MTU/MAC/Speed	Time Settings
Guest Network	_			_
Sleeping Mode	Firmware Upgrade			×
≗ VPN	Current Ve	rsion: V15.03.4.11_multi		estore local host
🔦 Advanced Settings	Upgrade	Type: 🔘 Local Upgrade	Online Upgrade	
🛞 System Settings		Connecting server		)
				s <b>t</b> ngs of the r

#### A Note

To avoid upgrade failure, you'd better connect the router to your computer through an Ethernet cable instead of wireless connection, and do not remove the power supply of the router and your computer.

## Backup/Restore

If you find the current settings can maintain a good performance for your router, you can back up the configurations on time in case of need.



#### To backup a file:

Log in to the router's user interface, and click **System Settings > Back/Restore**.

Click **Backup**, and locate the file (with suffix **.cfg**) to your host after finishing configuration of the router.

#### To restore the configuration of the router:

If you reset the router carelessly, and don't want to reconfigure it, you can restore it using the configuration file you saved before.

- 1. Click Choose file, and select the file you saved.
- 2. Click Restore.

## System status

This part allows you to view this router's current network status: basic info, WAN status, LAN Status, and WiFi Status.

Tenda	System Status	×	English 👻   Exit
🖀 Internet Status		A	
Internet Settings	Basic Info		
	System Time:	2016-08-23 14:15:56	Time Settings
☆ Wireless Settings	Running Time:	3h 37min 24s	
Guest Network	Firmware Version:	V15.03.4.11_multi	
💱 Sleeping Mode	Hardware Version:	V1.0	
• VPN	L		Backup/Restore
-	WAN Status		ickup a file to local host
≪ Advanced Settings	Connection Type:	DHCP	
💮 System Settings	Connection Status:	Connected	
	Connected Time:	3h 36min 21s	Reset
	IP Address:	192.168.3.151	router
	Subnet Mask:	255.255.255.0	
	Gateway:	192.168.3.1	

## System log

If you want to have a good knowledge of system operation, or when you have difficulties in surfing the internet, you need to send your system logs to Tenda technical supporters, you can go to this field to check your router's syslog.

Log in to the router's user interface, and click **System Settings > System Log**.

Tenda	System	n Settings			English 👻   Exit
Internet Status	System Log	3			×
Internet Settings	Export				)
ङ्न Wireless Settings	Number	Time	Туре	Log	ettings
Guest Network	1	2016-08-23 14:04:33	wan	DHCP_ack Received From (	
Sleeping Mode	2	2016-08-23 14:04:33	wan	Sending DHCP_renew for 19	<u>រ</u>
Clooping mode	3	2016-08-23 13:52:21	lan	LAN3 up	 Restore
👤 VPN	4	2016-08-23 13:51:51	lan	LAN3 down	to local host
🔦 Advanced Settings	5	2016-08-23 13:51:25	wan	DHCP_ack Received From (	
🛞 System Settings	6	2016-08-23 13:51:25	wan	Sending DHCP_renew for 19	7
	7	2016-08-23 13:37:47	wan	DHCP_ack Received From (	et
	8	2016-08-23 13:37:47	wan	Sending DHCP_renew for 19	ings of the ier
	9	2016-08-23 13:24:04	wan	DHCP_ack Received From (	
	10	2016-08-23 13:24:04	wan	Sending DHCP_renew for 19	
		~~	< > >>		

## Auto maintenance

Log in to the router's user interface, and click **System Settings > Auto Maintenance.** 



Auto Maintenance helps you to maintain your router to improve the performance of your router and extend the router's lifecycle.

## Reset

Here you can restore this router to factory default. Two methods are available here.

Method One: Log in to the router's user interface, click System Settings > Reset, and click Reset.



**Method Two:** Press and hold the **RST/WPS** button on the top panel of the router for about 8 seconds and then release it to reset the router to factory default settings.

## Note

• During the restoration, do not disconnect the power of the router and other relevant devices.

• Strongly recommend you not to restore the router, unless one of the following situations appear:

- You have to access the router but you can't remember the login name and password.
- Your router does not work well, and you want to reconfigure it by following the Setup Wizard.
- You can't access the internet, and Tenda technical support recommends you to restore to factory default.

This chapter includes the following parts:

- <u>Configure your computer</u>
- Troubleshooting
- <u>Technical support</u>
- Safety and emission statement

## **Configure your computer**

## Windows 8

 Right click the icon<sup>1</sup> on the bottom right corner of your desktop. Click **Open Network and** Sharing Center.



## 🗧 Tips

If you can't find the icon, please move your cursor to the top right corner of your desktop, select Settings > Control Panel > Network and internet > Network and Sharing.

#### 2. Click Ethernet > Properties.



3. Find and double click internet Protocol Version 4(TCP/IPv4). Select Obtain an IP address automatically and Obtain DNS server address automatically and click OK.

Ethernet Properties	Internet Protocol Version 4 (TCP/IPv4) Properties
Networking	General Alternate Configuration
Connect using:	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Configure This connection uses the following items:	Obtain an IP address automatically     Olise the following IP address:
File and Printer Sharing for Microsoft Networks     Microsoft Network Adapter Multiplexor Protocol	IP address:
	Subnet mask:
	Obtain DNS server address automatically
< >>	O Use the following DNS server addresses:
Install Uninstall Properties	Preferred DNS server:
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication	Alcernace DNS server:
across diverse interconnected networks.	Validate settings upon exit Advanced
OK Cancel	OK Cancel

4. Click **OK** on the **Ethernet Properties** window (see 3. for the screenshot).

## Windows 7

1. Click the icon and Sharing Center.



**Tips** 

If you can't find the icon on the bottom right corner of your desktop, follow steps below: Click Start > Control Panel > Network and internet > Network and Sharing Center.

2. Click Local Area Connection > Properties.

				_ <b>D</b> X
🐨 🖓 – 😫 « Networ	rk and Internet 🕨 Network and Si	haring Center 👻 😽	Search Control Panel	Q
Control Panel Home Change adapter setti Change advanced sh settings	Local Area Connection Status     General     Connection     IPv4 Connectivity:	No Internet access	set up connection	€ ▲ S See full map
	IPv6 Connectivity: Media State: Duration:	No Internet access Enabled 03:40:31	Connec	t or disconnect
	Speed:	1.0 Gbps	ections:	et access
	Activity Sent	Received	or VPN connection; or	set up a
	Bytes: 758,618	8 8,236,680	I-up, or VPN network of	onnection.
See also	Properties 🔞 Disable	Diagnose	vork computers, or cha	ange sharing
Internet Options		Close		

3. Find and double click internet Protocol Version 4(TCP/IPv4). Select Obtain an IP address automatically and Obtain DNS server address automatically and click OK.

Local Area Connection Properties	Internet Protocol Version 4 (TCP/IPv4) Properties
Networking	General Alternate Configuration
Connect using:	You can get IP settings assigned automatically if your network supports
Intel(R) PRO/1000 MT Network Connection	this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Configure	Obtain an IP address automatically
This connection uses the following items:	Use the following IP address:
Client for Microsoft Networks	IP address:
File and Printer Sharing for Microsoft Networks	Subnet mask:
✓ Internet Protocol Version 4 (TCP/IPv4)	Default gateway:
Link-Layer Topology Discovery Mapper I/O Driver     Link-Layer Topology Discovery Responder	<ul> <li>Obtain DNS server address automatically</li> </ul>
	Use the following DNS server addresses:
Install Uninstall Properties	Preferred DNS server:
Description Transmission Control Protocol/Internet Protocol. The default	Alternate DNS server:
wide area network protocol that provides communication across diverse interconnected networks.	Validate settings upon exit Advanced
OK Cancel	OK Cancel

4. Click **OK** on the Local Area Connection Properties window (see 3. for the screenshot).

## Windows XP

1. Right click **My Network Places** on your desktop and select **Properties**. Right click **Local Area Connection** and select **Properties**.



2. Scroll down to find and double click internet Protocol (TCP/IP). Select Obtain an IP address automatically and Obtain DNS server address automatically and click OK.

aneral Advanced	General Alternate Configuration
Connect using: Marvell Yukon 88E8057 PCI-E Gigabi Configure	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
This connection uses the following items:	Obtain an IP address automatically
Gient for Microsoft Networks     File and Printer Sharing for Microsoft Networks     GoS Packet Scheduler     Tritemet Protocol [TCP/IP]	Use the following IP address: IP address: Subnet mask:
Install Uninstall Properties	Obtain DNS server address automatically
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	O Use the following DNS server addresses: Preferred DNS server:
<ul> <li>Show icon in notification area when connected</li> <li>Notify me when this connection has limited or no connectivity</li> </ul>	Alternate DNS server:

3. Click **OK** on the Local Area Connection Properties window (see 2. for the screenshot).

## Troubleshooting

#### Q1: Where should I place my wireless router for optimum performance?

A1: To achieve optimum performance, please pay attention to the following:

- Put it on a stable place, such as a desk.
- Keep it near to your wireless devices, such as smart phones, laptops, and so on.
- Keep it away from electrical devices that are potential sources of interference, such as ceiling fans, home security systems or microwaves.
- Keep it away from any large metal surfaces, such as a solid metal door or aluminum nails.
- Keep it away from other materials that may affect your wireless signals, such as glass, insulated walls, fish tanks, mirrors, brick, and concrete.

#### Q2: I can't log in to the wireless router's user interface. What should I do?

A2: You can try the following methods:

- Verify that your computer is connected to one of the router's LAN ports (**1**, **2**, or **3/IPTV**); or your wireless device is connected to the router's WiFi.
- Verify that "tendawifi.com" or "192.168.0.1" is correctly entered in the address bar of a web browser.
- If your computer is set to a static IP address, change the settings to obtain an IP address automatically.
- Clear cache of your browser, or open another web browser.

• Press and hold the **RST/WPS** button for about 8 seconds, and then release it to restore the router to factory settings; then try to login again.

#### Q3: I forget my WiFi password, what should I do?

A3: Follow one of the following methods:

- Log in to the wireless router's user interface, and you can check the WiFi password on page Wireless Settings > WiFi Name & Password.
- Restore the wireless router to factory default, and there is no WiFi password by default. Then set up a WiFi password.

Restore Method: Press and hold the **RST/WPS** button on the product for about 8 seconds until all LEDs light.

#### Q4: I can't access the internet after completing all configurations. What should I do?

A4: You can try the following methods:

- Please check the connection and verify if it is well-connected.
- Verify that you select the correct connection type, and the parameters you type for internet access are right.
- Check whether you can access the internet by connecting to the modem directly (without the router). If not, please double check the configuration of your modem or consult your ISP.

## **Technical support**

If you still have some problems, please contact our technical support.

Country	Hotline
Global Hotline	(86) 755-27657180
United States	1-800-570-5892
Australia	1300787922
New Zealand	800787922
HongKong	00852-81931998
Canada Hotline	1-888-998-8966

Туре	Details
Skype	Tendasz
Website	http:// www.tendacn.com
E-mail	support@tenda.com.cn

## Safety and emission statement



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.

**NOTE:** (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, we recommend that you use a shielded RJ45 cable.

#### **Declaration of Conformity**

Hereby, SHENZHEN TENDA TECHNOLOGY CO. LTD. declares that the radio equipment type AC6 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: http://www.tendacn.com/en/service/page/ce.html

Operate Frequency:

2.4G: EU/2400-2483.5MHz (CH1-CH13) 5G: EU/5150-5250MHz (CH36-CH48) EIRP Power (Max.): 2.4GHz: 19.67dBm 5GHz: 22.21dBm Software Version: V15.03.4



Adapter Model: BN036-A12012E

Manufacture: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO., LTD.

Input: 100-240V~50/60Hz 0.4A

Output: 12V 1.0A

---: DC Voltage



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 an new electrical or electronic equipment.

#### FCC Statement

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 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.

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment.

#### **Radiation Exposure Statement**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, we recommend that you use a shielded RJ45 cable.

EHC