Tenda

Quick Installation Guide

300Mbps Wireless N Access Point

AP4/AP5

This guide takes AP4 for illustrations unless otherwise specified.

Package contents

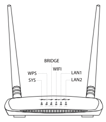
- Wireless AP * 1
- PoE injector * 1
- Screw * 2
- Quick installation guide * 1
- Power adapter * 1
- Ethernet cable * 1
- Expansion blot * 2

If any item is missing or damaged, please keep the original package and contact the local reseller or distributor immediately. For product or function details, please go to http://www.tendacn.com

Getting to know the device

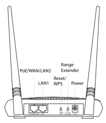
* The appearance of AP4 and AP5 is the similar except antennas.

LED indicators



LED indicator	Status	Description
SYS	Off	The device is not powered on, or malfunction occurs.
	Blinking	The device is working properly.
WPS	Off	The WPS feature is disabled, or the WPS negotiation is completed.
	Blinking	The device is negotiating with the upstream router or a wireless client.
BRIDGE	Off	The device is not bridged to a wireless network.
	Solid on	The device is bridged to a wireless network successfully.
WIFI	Off	The WiFi feature is disabled.
	Solid on	The WiFi feature is enabled.
	Blinking	Data is being transmitted wirelessly.
LAN1/LAN2	Off	The corresponding port is not connected or not connected properly.
	Solid on	The corresponding port is connected properly.
	Blinking	Data is being transmitted over the corresponding port.

Ports & buttons



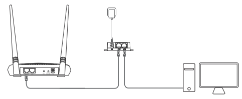
Port/Button	Description
PoE/WAN/LAN2	• PoE port. Use an Ethernet cable to connect this port to the PoE port of the included PoE injector for power supply. • LAN port. Connect this port to a wired device, such as a computer, a switch, and so on. • WAN port. When the device works in Router mode, connect this port to a modem/modem router for internet access.
LAN1	LAN port. Connect this port to a wired device, such as a computer, a switch, and so on.
Reset/WPS	• Reset button: Hold down this button for about **7** seconds then release it to restore factory settings. When all LED indictors light up, the device is reset successfully. • WPS button: When the device works in AP or Router mode, press this button then release it to perform WPS negotiation. Within 2 minutes, enable the WPS feature of a wireless device to establish a connection.
Range Extender	Hold down this button for about **3** seconds, and release it. The **WPS** LED indicator blinks. When the **BRIDGE** LED indicator lights up, the device bridges to a router successfully.
Power	Power jack. Use the included power adapter to connect this jack to a power source.

Power supply

You can power on the AP either using a PoE injector or a power adapter. Choose your power supply solution as required.

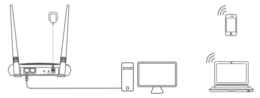
Power on the device with the PoE injector

- If the deployment location of the AP is far away from the power source, power it on with the included PoE injector. The maximum length of Ethernet cable (CAT5e or better) for power supply is **30** meters for AP4, and **60** meters for AP5.



Power on the device with the power adapter

- If there is a power source near the deployment location of the AP, use the included power adapter to connect the **Power** port to the power source.



Universal Repeater mode

If you want to extend your existing WiFi coverage, choose this mode.

Option 1: Extending the WiFi coverage using the Range Extender button

Tips: To use this method, the AP must work with a WPS-enabled router. After the bridging succeeds, the AP works in Universal Repeater mode.

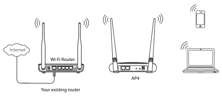
1. Place the AP near your existing router, power it on and wait until its **SYS** LED indicator blinks.
2. Press the WPS button on your existing router.

3. Within 2 minutes, press the **Range Extender** button on the AP for about 3 seconds, then release it. Its **WPS** LED indicator blinks.

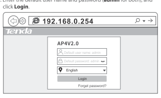
When the **BRIDGE** LED indicator of the AP is solid on, it bridges to your router successfully.

4. Relocate the AP to a place where you plan to broaden WiFi coverage.

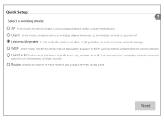
Option 2: Extending the WiFi coverage using the web UI



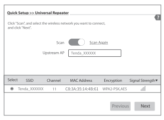
1. Place the AP near your existing router, power it on and wait until its **SYS** LED indicator blinks.
2. Connect your computer to a port or the WiFi network of the AP.
3. Start a web browser on the computer connected to the AP, and visit **192.168.0.254**.
4. Enter the default user name and password (**admin** for both), and click **Login**.



5. Select **Universal Repeater** mode and click **Next**.

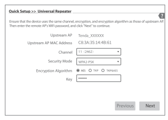


6. Select the SSID (WiFi name) of your existing router from the list and click **Next**.



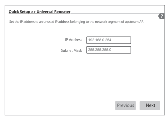
Quick Setup >> Universal Repeater
Click "Scan", and select the wireless network you want to connect, and click "Next".
Scan
Scan Again
Upstream AP
Tenda_XXXXXX
Select
SSID
Channel
MAC Address
Encryption
Signal Strength
Tenda_XXXXXX
11
C8:3A:35:14:4B:61
WPA2-PSK,AES
Previous
Next

7. Enter the key (WiFi password) for the selected SSID in the **Key** box and click **Next**.

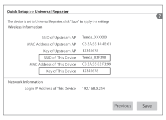


Quick Setup >> Universal Repeater
Ensure that the device uses the same channel, encryption, and encryption algorithm as those of upstream AP. Then enter the remote AP's WiFi password, and click "Next" to continue.
Upstream AP
Tenda_XXXXXX
Upstream AP MAC Address
C8:3A:35:14:4B:61
Channel
11 (2462)
Security Mode
WPA2-PSK
Encryption Algorithm
AES
TKIP
TKIP&AES
Key
Previous
Next

8. Click **Next**.



9. Note down the SSID (WiFi name) and key (WiFi password) of this device and click **Save** to apply your settings.



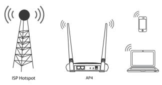
Quick Setup >> Universal Repeater
The device is set to Universal Repeater, click "Save" to apply the settings
Wireless Information
SSID of Upstream AP
Tenda_XXXXXX
MAC Address of Upstream AP
C8:3A:35:14:4B:61
Key of Upstream AP
12345678
SSID of This Device
Tenda_83F398
MAC Address of This Device
C8:3A:35:83:F3:99
Key of This Device
12345678
Network Information
Login IP Address of This Device
192.168.0.254
Previous
Save

When the **BRIDGE** LED indicator of the AP is solid on, it bridges to your router successfully.

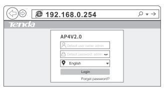
10. Relocate the AP to a place where you plan to broaden WiFi coverage.

WISP mode

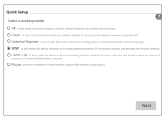
If you want to bridge to an ISP hotspot and enable your wireless and wired devices to share the internet connection, choose this mode.



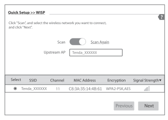
1. Power on the AP, and connect your computer to the AP.
2. Start a web browser on the computer connected to the AP, and visit **192.168.0.254**.
3. Enter the default user name and password (**admin** for both), and click **Login**.



4. Select **WISP** mode and click **Next**.

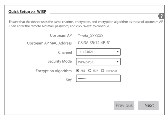


5. Select the SSID (WiFi name) of the ISP hotspot and click **Next**.

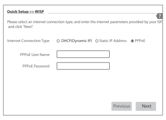


Quick Setup >> WISP
Click "Scan", and select the wireless network you want to connect, and click "Next".
Scan
Scan Again
Upstream AP
Tenda_XXXXXX
Select
SSID
Channel
MAC Address
Encryption
Signal Strength
Tenda_XXXXXX
11
C8:3A:35:14:4B:61
WPA2-PSK,AES
Previous
Next

6. Enter the key (WiFi password) for the selected SSID in the **Key** box and click **Next**.



7. Select the internet connection type of your ISP hotspot. PPPoE is used for illustration here. Select **PPPoE**, enter the PPPoE user name and password provided by your ISP, and click **Next**.

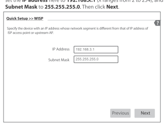


Quick Setup >> WISP
Please select an internet connection type, and enter the internet parameters provided by your ISP and click "Next".
Internet Connection Type
DHCP(Dynamic IP)
Static IP Address
PPPoE
PPPoE User Name
PPPoE Password
Previous
Next

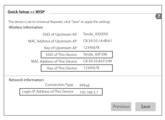
8. Customize your SSID (WiFi name), select a security mode, customize the key (WiFi password), and click **Next**.

Quick Setup >> WISP
You can set up your wireless network name and wireless password here. Note down your wireless password.
SSID (WiFi Name)
Tenda_XXXXXX
Channel
11 (2462)
Security Mode
WPA2-PSK
Encryption Algorithm
AES
TKIP
TKIP&AES
Key
Previous
Next

9. Set the IP address to an unused IP address belonging to different network segment from that of the ISP hotspot. For example, if the IP address of the ISP hotspot is 192.168.1.1, and the subnet mask is 255.255.255.0, you can set the **IP address** here to **192.168.X.1** (*X* ranges from 2 to 254), and **Subnet Mask** to **255.255.255.0**. Then click **Next**.



10. Note down the SSID (WiFi name), WiFi password and login IP address of this device and click **Save** to apply your settings.

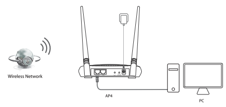


Quick Setup >> WISP
Wireless Information
SSID of Upstream AP
Tenda_XXXXXX
MAC Address of Upstream AP
C8:3A:35:14:4B:61
Key of Upstream AP
12345678
SSID of This Device
Tenda_83F398
MAC Address of This Device
C8:3A:35:83:F3:99
Key of This Device
12345678
Network Information
Connection Type
PPPoE
Login IP Address of This Device
192.168.3.1
Previous
Save

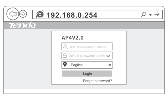
When the **BRIDGE** LED indicator of the AP is solid on, it bridges to the ISP hotspot successfully.

Client mode

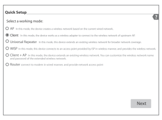
If you want to use this device to connect your wired devices, such as an Xbox, a Wii, a printer or a set-top box, to a wireless network, choose this mode.



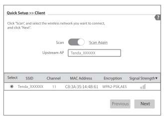
1. Power on the AP, and connect your computer to the AP.
2. Start a web browser on the computer connected to the AP, and visit **192.168.0.254**.
3. Enter the default user name and password (**admin** for both), and click **Login**.



4. Select **Client** mode and click **Next**.

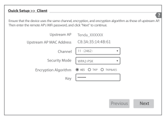


5. Select the SSID of your existing WiFi network and click **Next**.

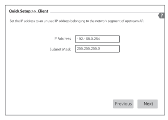


Quick Setup >> Client
Click "Scan", and select the wireless network you want to connect, and click "Next".
Scan
Scan Again
Upstream AP
Tenda_XXXXXX
Select
SSID
Channel
MAC Address
Encryption
Signal Strength
Tenda_XXXXXX
11
C8:3A:35:14:4B:61
WPA2-PSK,AES
Previous
Next

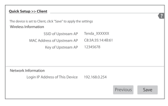
6. Enter the WiFi password for the selected SSID in the **Key** box and click **Next**.



7. Click **Next**.



8. Click **Save** to apply your settings.



Quick Setup >> Client
The device is set to Client, click "Save" to apply the settings
Wireless Information
SSID of Upstream AP
Tenda_XXXXXX
MAC Address of Upstream AP
C8:3A:35:14:4B:61
Key of Upstream AP
12345678
Network Information
Login IP Address of This Device
192.168.0.254
Previous
Save

When the **BRIDGE** LED indicator of the AP is solid on, it bridges to the existing wireless network successfully. Then connect your wired devices to the AP using Ethernet cables for internet access.

FAQ

Q1: I cannot log in to the web UI of the AP by entering 192.168.0.254. What should I do?

A1: Try the following method:

- Ensure that the computer used to configure the AP is connected to the AP in wired or wireless manner.
- Ensure that the IP address of the computer used to configure the AP is set to an unused IP address belonging to the same network segment of that of the AP. For example, the default IP address of the AP is 192.168.0.254. The IP address of the computer should be set to 192.168.0.*X* (*X* ranges from 2 to 253), and subnet mask should be set to 255.255.255.0.
- If the AP works in WISP mode, its IP address may be changed. Check the gateway address of your computer connected to the AP, and try again with this IP address.
- Clear the cache of your browser.
- If the problem persists, reset the AP to factory settings and configure it again by following this quick installation guide.

Q2: How to reset the AP to factory settings?

A2: Note: Resetting the AP clears all settings, and you need to configure it again.

When the SYS LED indicator of the AP is blinking, hold down the **Reset/WPS** button for about **7** seconds, then release it. When all LED indicators light up, the AP is reset to factory settings successfully.

CE

CE Mark Warning

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

This equipment should be installed and operated with minimum distance 20cm between the device and your body.

The mains plug is used as disconnect device, the disconnect device shall remain readily operable.

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, it is recommended to use a shielded RJ45 cable.

Declaration of Conformity

Hereby, SHENZHEN TENDA TECHNOLOGY CO., LTD. declares that the radio equipment type AP4 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/download-cata-101.html

Operating Frequency: EU/2400-2483.5MHz (CH1-CH13)

EIRP Power (Max.): 19.8 dBm

Software Version: V1.0.0.4

Hereby, SHENZHEN TENDA TECHNOLOGY CO., LTD. declares that the radio equipment type AP5 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/download-cata-101.html

Operating Frequency: EU/2400-2483.5MHz (CH1-CH13)

EIRP Power (Max.): 19.8 dBm

Software Version: V1.0.0.2

FC

FCC Statement

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

— Reorient or relocate the receiving antenna.

— Increase the separation between the equipment and receiver.

— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

— Consult the dealer or an experienced radio/TV technician for help.

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.

Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules.

This equipment should be installed and operated with minimum distance 20cm between the device and your body.

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.

Operating frequency: 2412-2462MHz

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, it is recommended to use a shielded RJ45 cable.

Caution:

Adapter Model: BN049-A05009E, BN049-A05009B

Manufacture: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO., LTD.

Input: 100-240V AC, 50/60Hz, 0.3A

Output: 9V DC, 0.6A

⎓: DC Voltage

Caution:

Adapter Model: BN036-A12012E, BN036-A12012B

Manufacture: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO., LTD.

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

Output: 12V DC, 1A

⎓: DC Voltage

Operating Temperature: -10°C - 45°C

Operating Humidity: (10% - 90%) RH, non-condensing

EAC

RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

Technical Support

Shenzhen Tenda Technology Co., Ltd.

6-8 Floor, Tower E3, NO.1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

USA hotline: 1-800-570-5892

Toll Free: Daily-9am to 6pm PST

Canada hotline: 1-888-998-8966

Toll Free: Mon - Fri 9 am - 6 pm PST

Hong Kong hotline: 00852-81931998

Global hotline: +86 755-2765 7180 (China Time Zone)

Website: http://www.tendacn.com

E-mail: support@tenda.com.cn