Tenda

300Mbps Mini Wireless 11N USB Adapter U3 User Guide

Version: V1.1

Copyright statement

Disclaimer

Preface

Thank you for choosing Tenda! Please read this guide before you use this product.

Applicable models

This user guide is applicable to Tenda wireless adapter U3.

Conventions

The typographical elements that may be found in this document are defined as follows.

Item	Presentation	Example
Cascading menus	>	**System** > **Live Users**
Parameter and value	Bold	Set **User Name** to **Tom**.
Variable	Italic	Format: *XX:XX:XX:XX:XX:XX*
UI control	Bold	On the **Policy** page, click the **OK** button.
Message	" "	The "Success" message appears.

The symbols that may be found in this document are defined as follows.

Symbol	Meaning
NOTE	This format is used to highlight information of importance or special interest. Ignoring this type of note may result in ineffective configurations, loss of data or damage to the device.
TIP	This format is used to highlight a procedure that will save time or resources.

For more documents

If you want to get more documents about the device, visit www.tendacn.com and search for the corresponding product model.

The related documents are listed as below.

Document	Description
Quick Installation Guide	It introduces how to set up the device quickly for internet access, the descriptions of statement information, and so on.
User Guide	It introduces how to set up more functions of the device for more requirements, including all functions on the UI of the device.
Data Sheet	It introduces the basic information of the device, including product overview, selling points, and specifications.

Technical support

If you need more help, contact us by any of the following means. We will be glad to assist you as soon as possible.

Hotline		Email	
	Global: (86) 755-27657180 (China Time Zone)		support@tenda.com.cn
	United States: 1-800-570-5892 (Toll Free: 7 x 24 hours)		
	Canada: 1-888-998-8966 (Toll Free: Mon - Fri 9 am - 6 pm PST)		
	Hong Kong: 00852-81931998		
Website	https://www.tendacn.com/		

Revision history

Tenda is constantly searching for ways to improve its products and documentation. The following table indicates any changes that might have been made since the wireless USB adapter U3 was introduced.

Version	Description	Date
V1.1	1. Added the compatible system of the wireless USB adapter: Windows 11. 2. Optimized sentence expression.	2022-05-28
V1.0	Original publication.	2015-12-11

# Contents

1 Get to know your device

1.1 Overview

This wireless USB adapter U3 adopts 11n technology, which makes the wireless transmission speed up to 300 Mbps. In addition to making a desktop computer able to connect to a wireless network in Station mode, it supports WiFi sharing, you can install it with a desktop computer to transform the wired network into a WiFi signal. It is cost-effective and easy to install. The new UI (User Interface) may give you a fresh and clear experience.

Features:

- Complies with IEEE 802.11b/g/n standards.

- Supports the USB2.0 interface.

- Supports such security modes as WEP, WPA-PSK/WPA2-PSK.

- Supports WPS function.

- Supports soft AP feature, and uses the network adapter as a wireless signal transmission point, which is convenient for other clients to connect.

- 11N wireless speed up to 300 Mbps, the wireless speed can be adjusted automatically according to the network environment.

1.2 Appearance
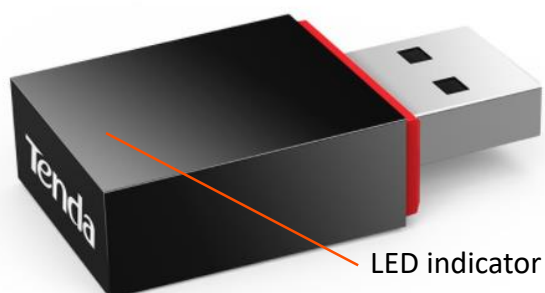
LED indicator

LED indicator Status	Description
Blinking slowly	Working properly.
Blinking quickly	Transmitting or receiving data.
Off	Working improperly.

💡TIP

If the wireless USB adapter works abnormally, please ensure that:

- The wireless USB adapter is in good connection and the wireless USB adapter program has been installed successfully,
- The WiFi is enabled on the UI of the wireless USB adapter.

2 **Install the device**

The wireless USB adapter is compatible with Windows 11/10/8.1/8/7/XP/Vista, Linux, and Mac 10.6 - 10.12 operating systems.

If your computer system is Windows 10/11, you can uninstall the wireless USB adapter program. After the hardware installation is complete, you can directly try to connect to the WiFi network. But now the wireless USB adapter does not support UI management, you cannot use the SoftAP mode and WPS function.

You can install the wireless USB adapter simply by performing two steps: Connect the wireless USB adapter to your computer, Install the program.

2.1 Connect the wireless USB adapter to your computer

Insert the wireless USB adapter into the USB port of your computer.

2.2 Install the program

**Step 1**   Insert the included CD Resource into the CD drive of your computer.

If your computer has no CD drive, go to www.tendacn.com to download the program of the product and make sure that the directory of the downloaded program does not include Chinese characters. Otherwise, the installation may fail.

Step 2   Open the root directory of the CD Resource and double-click Setup.exe to run the installation wizard. Click **Install Now** to install the program.
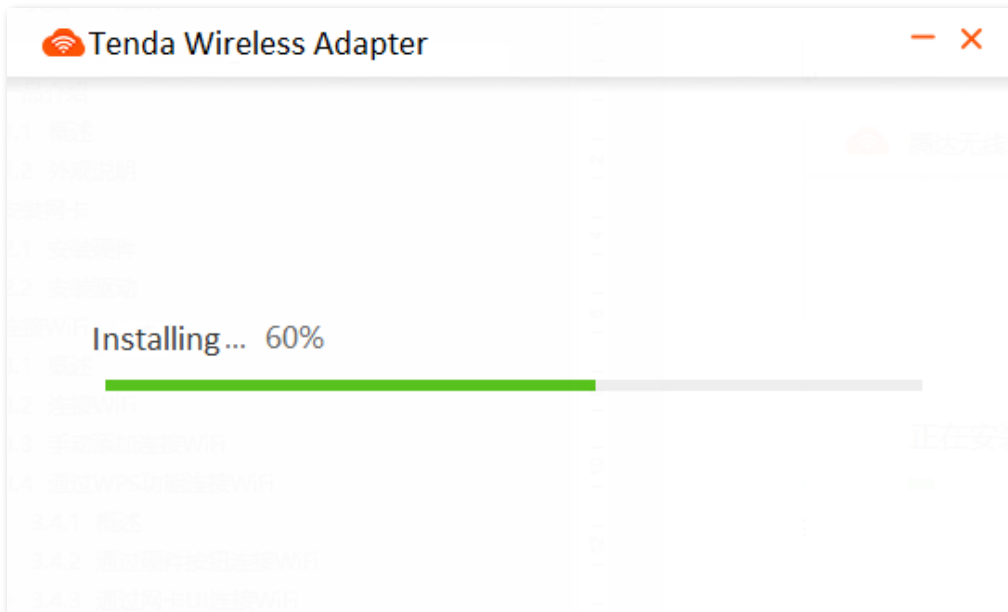
TIP

By default, the program is installed on the C drive of the computer. You can click **Custom Install** to change the installation location.
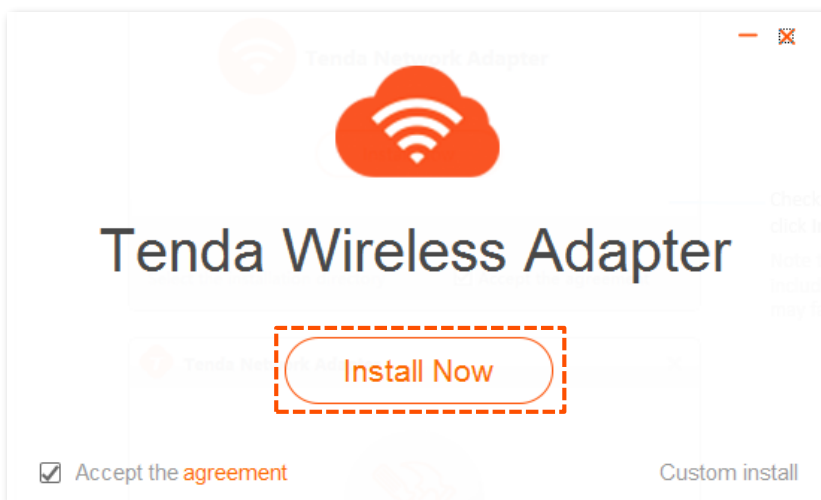
    ---End

Wait a few minutes for the installation process to complete and the program UI to appear.

💡TIP

If you cannot use the wireless USB adapter after it is installed into Windows 11, refer to **Q1** in **FAQ**.

3 Set up the wireless USB adapter

After the wireless USB adapter is installed successfully, you will be directed to the UI of the wireless USB adapter.

Wireless USB adapter supports Station mode and SoftAP mode.

- In adapter mode, the wireless USB adapter serves as a wireless signal receiver. A desktop computer installed with a wireless USB adapter can connect to a wireless network.

- In SoftAP mode, the wireless USB adapter can transform the existing wired network into a WiFi signal and send it out for wireless clients (such as smartphones, laptops, and iPad) connecting to.

3.1 Connect to a WiFi network

3.1.1 Overview

You can refresh and connect the wireless USB adapter to a WiFi network, or check the WiFi information here.
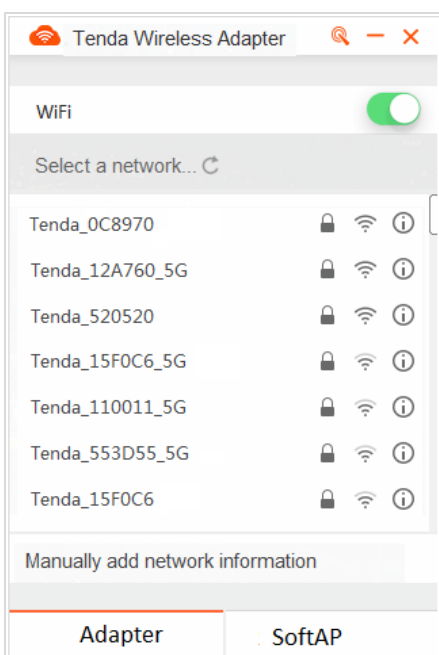
Element description

| Element	Description
WiFi	It specifies whether to enable the WiFi function. By default, it is enabled. Once disabled, the wireless USB adapter cannot be used properly.
⊗	Click it to configure the WPS function.
↻	Click it to refresh the available networks list.
🔒	It specifies the WiFi network is encrypted.
📶	It specifies the signal strength of the WiFi network.
ⓘ	Click it to view more information about the WiFi network.
Manually connect to a wireless network	Click it to manually add the WiFi network. It is used to connect to the WiFi network that has been hidden.

3.1.2 Connect to a WiFi network

Assume that the WiFi name of the router to be connected is **Tenda_test** and the password is **UmXmL9UK**.

Procedures:

Step 1 Target and click the WiFi name you want to connect, which is **Tenda_test** in this example.
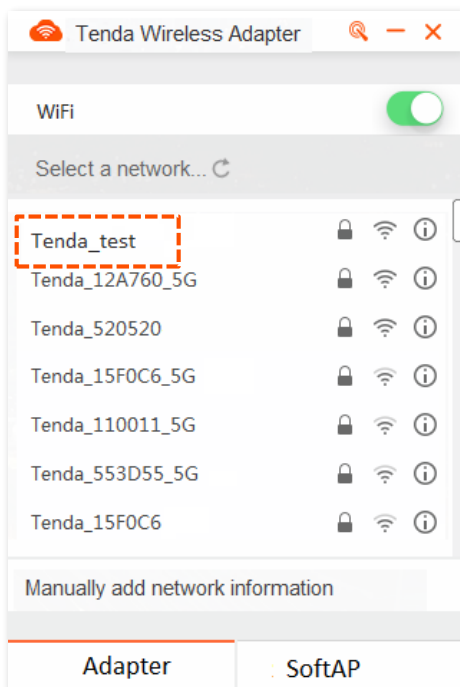
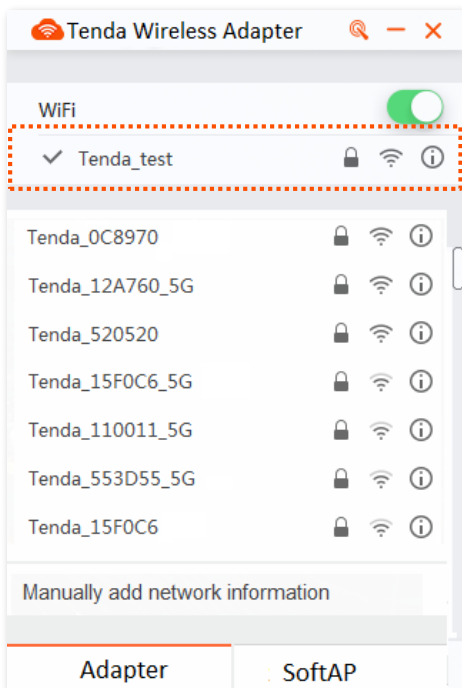**Step 2**   Enter the WiFi password, and click   Connect   .

---End
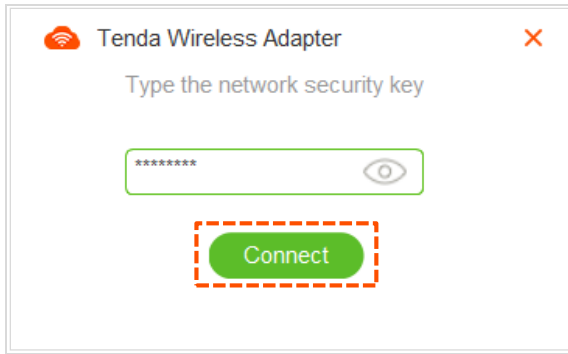

Wait a moment, the WiFi network is connected successfully.

3.1.3 Manually connect to a WiFi network

Assume that the WiFi network of the router you want to connect to has been hidden, the basic information is as follows:

－ WiFi name: Tenda_test

－ Security type: WPA2-PSK

－ Encryption type: AES

－ WiFi password: UmXmL9UK

Procedures:

**Step 1**   Click **Manually connect to a wireless network**.
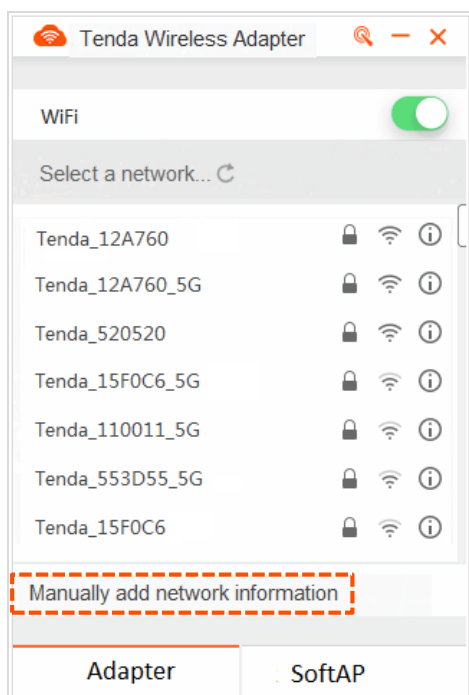
Step 2 Enter the information of your WiFi network, and click **Connect** .

1. Enter the **Network name** (WiFi name) that you want to connect, which is **Tenda_test** in this example.

2. Select the **Security type** of the WiFi network, which is **WPA2-PSK** in this example.

3. Select the **Encryption type** (Authentication) of the WiFi network, which is **AES** in this example.

4. Enter the **Security key** (WiFi password) of the WiFi network, which is **UmXmL9UK** in this example.

---End
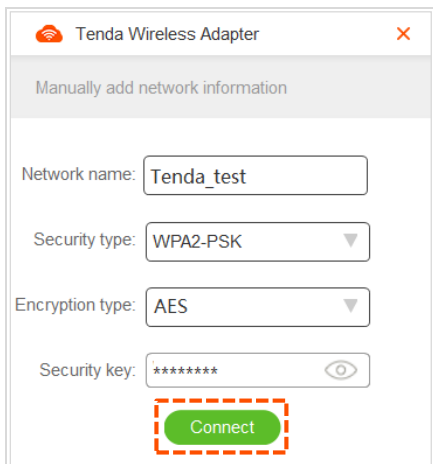
Wait a moment, the WiFi network is connected successfully.
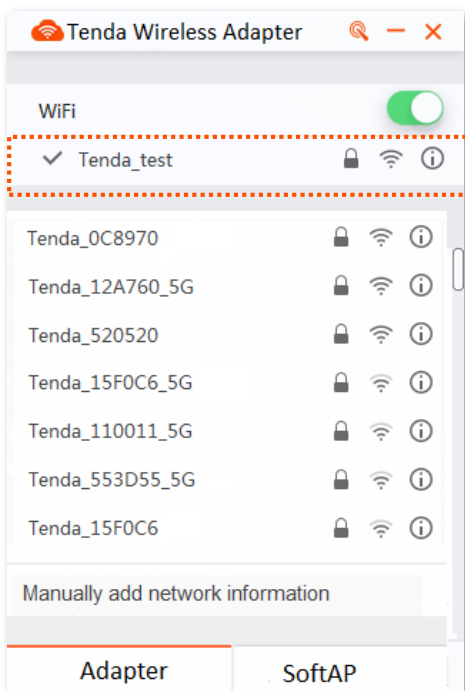
3.2 Using the WPS function for WiFi network connection

3.2.1 Overview

This wireless USB adapter supports the WPS function. If your router supports the WPS function, you can use the WPS function of this wireless USB adapter to connect to the WiFi of your router without entering a WiFi password. The application scenario is shown below.


There are two ways to perform a WPS connection: **Using the WPS button** and **Through the UI of the wireless USB adapter**. The Tenda wireless router is taken as an example here, assuming that the WiFi name of the router is Tenda_test.

3.2.2 Connect to a WiFi network through the UI of the wireless USB adapter

Procedures:

Step 1   Enable the WPS function of the router (refer to the user guide of the router for details).
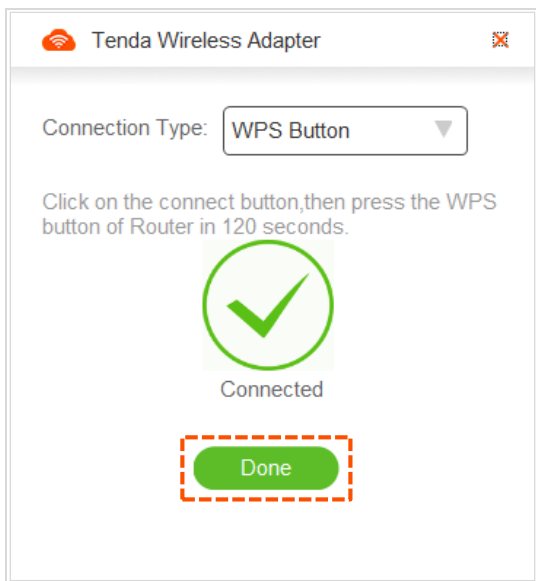
Step 2   Within 2 minutes, click 🔍 on the UI of the wireless USB adapter.
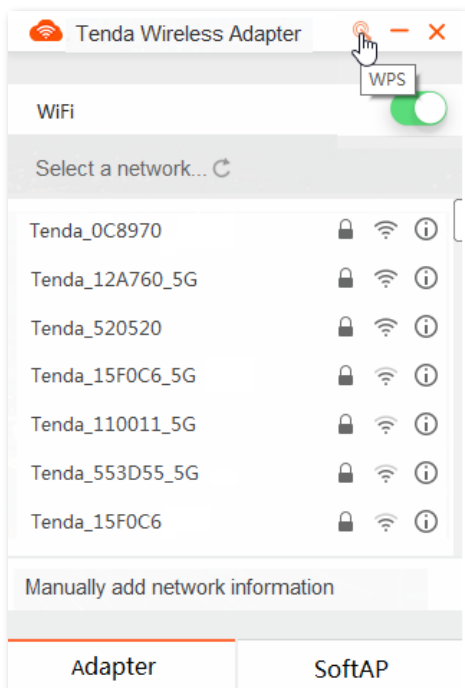
Step 3   Set **Connection Type** to **WPS button** and click   **Connect**   .
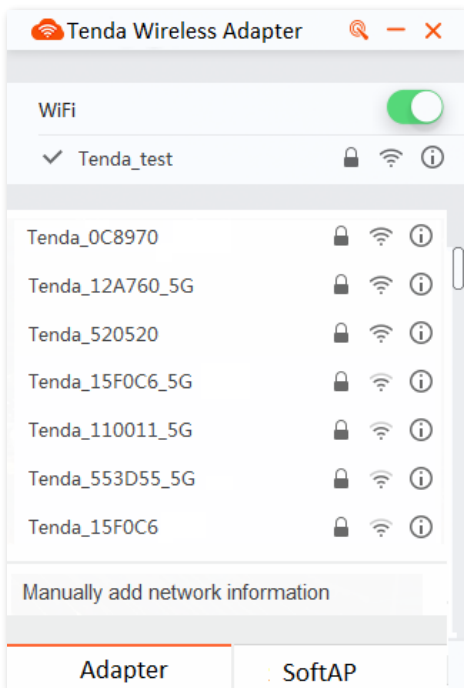
Step 4   Wait until the connection is successful, and click **Done** .

---End

You can check the connected WiFi network on the UI of the wireless USB adapter.

3.2.3 Using the PIN code of the wireless USB adapter

Procedures:

Step 1   Enable the WPS function of the router, and record the PIN code of the router (refer to the user guide of the router for details).

Step 2   Click ⊛ on the UI of the wireless USB adapter.

Step 3   Set **Connection Type** to **PIN Code**, enter the PIN code of your router, which is **12345678** in this example, and click   Connect   .

Step 4   Wait until the connection is successful, and click **Done** .

---End

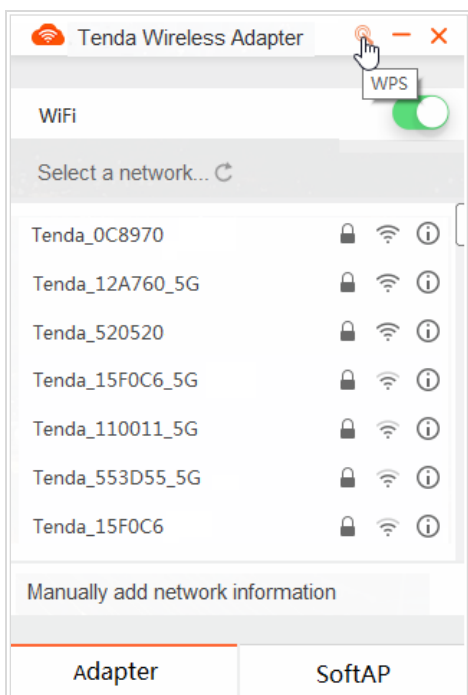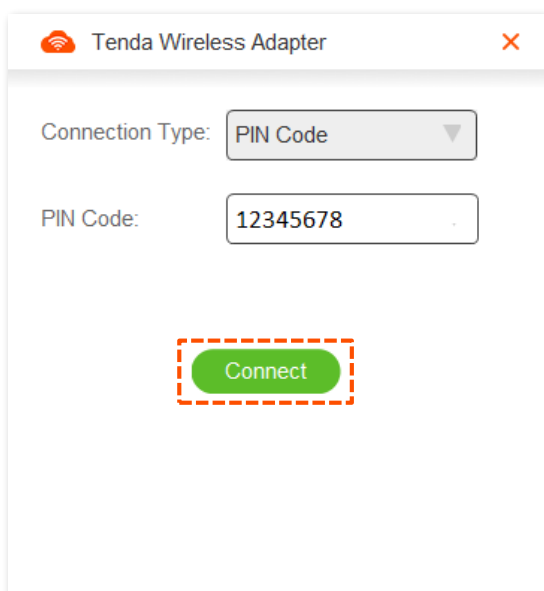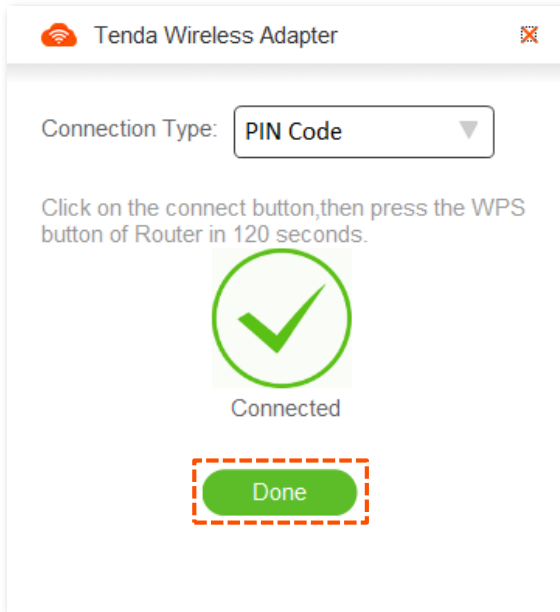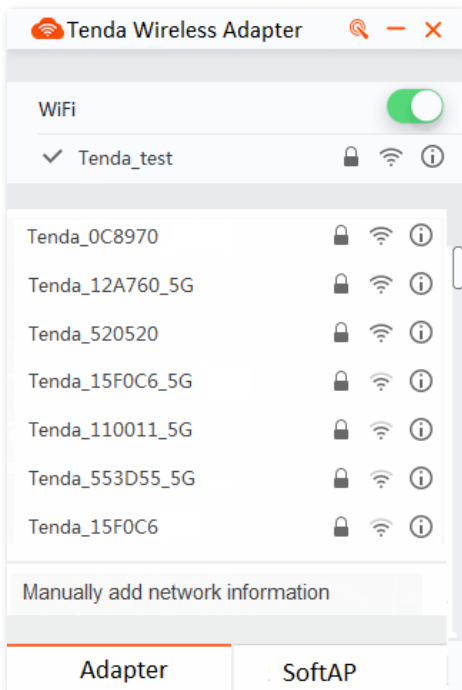You can check the connected WiFi network on the UI of the wireless USB adapter.

3.3 SoftAP mode

3.3.1 Overview

In SoftAP mode, the adapter can transform the existing wired network into a WiFi signal and send it out to such wireless clients as smartphones, laptops, and iPad connecting to. Note that station mode will be disabled while SoftAP mode is enabled. The application scenario is shown as follows.
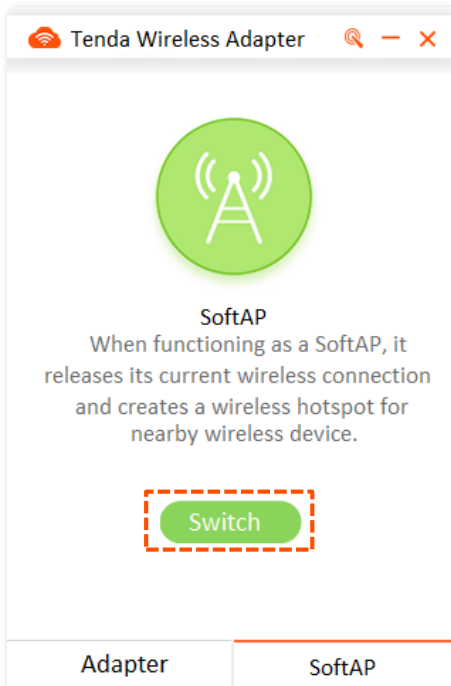
3.3.2 SoftAP mode switch

💡TIP

This mode is not compatible with Windows 10 and 11. You can configure it through third-party firmware.

Click **SoftAP Mode** on the UI of the wireless USB adapter to enter the configuration page, and then click Switch .
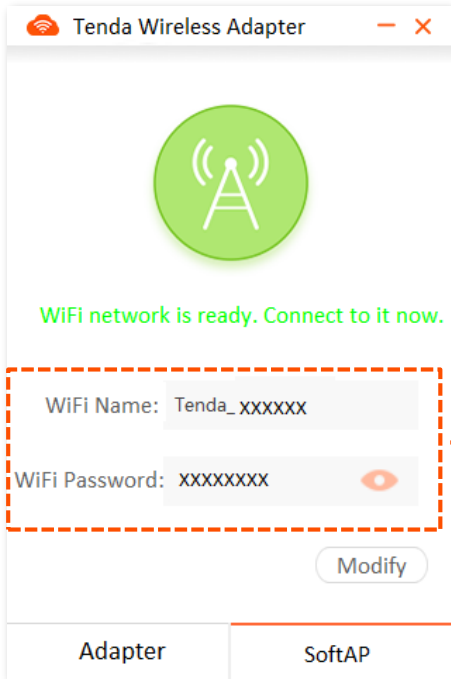

Wait a moment. The mode will successfully shift to SoftAP mode, the default information of SoftAP mode:

SSID: Tenda_XXXXXX

Password: XXXXXXXX

If you want to modify the **SSID**, **Security Mode,** and **Password**, you can click   Modify   to customize the WiFi information in the pop-up window, and then click   **Save**   .

Default WiFi information
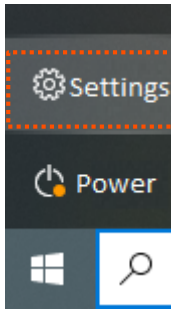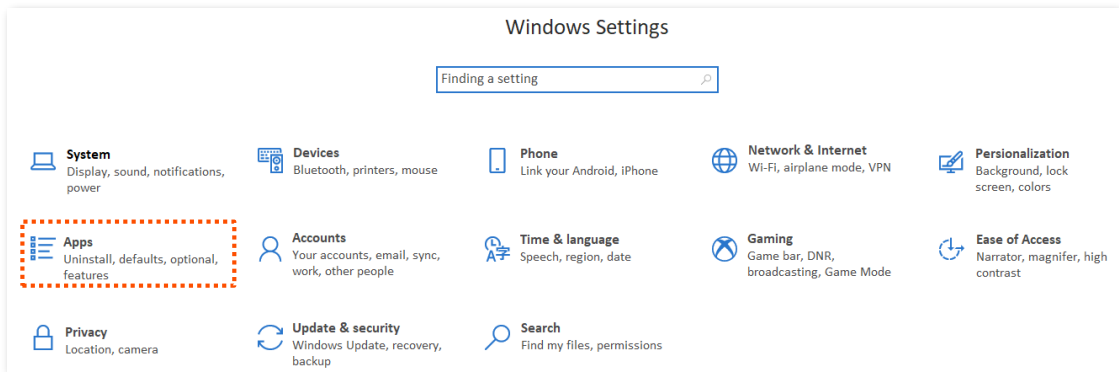
4 Uninstall the program

Windows 10 is taken as an example to describe the uninstallation procedures.
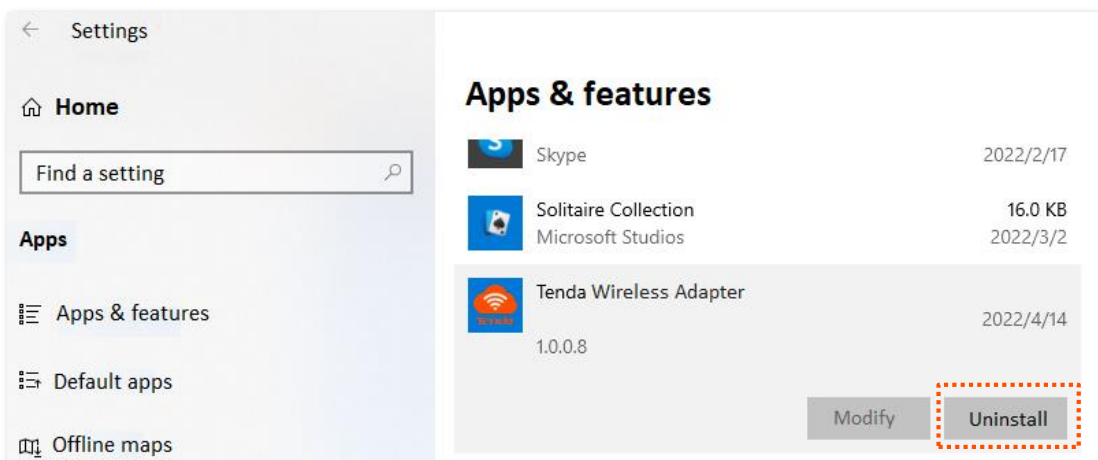
Procedures:

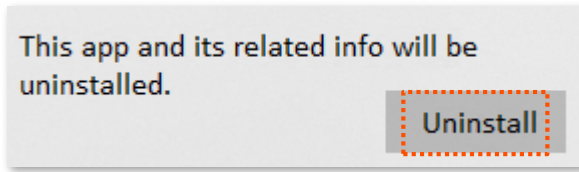**Step 1**   Click the icon ▦ and click Settings ⚙.
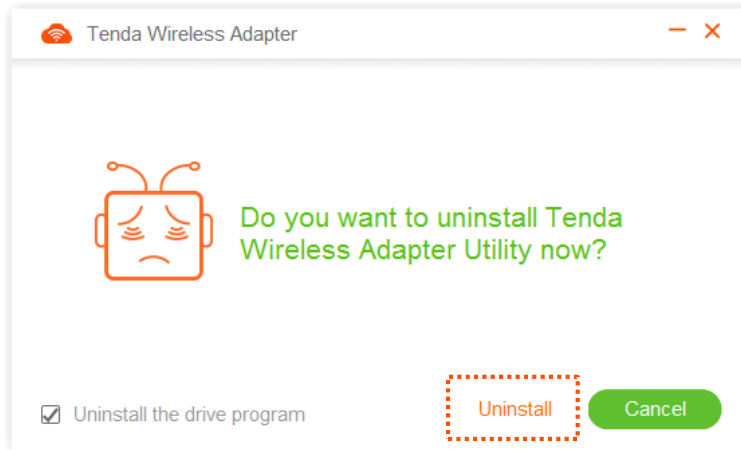

Step 2   Click **Apps**.

Step 3   Target and click the wireless USB adapter program you want to uninstall, and click Uninstall .

Step 4   On the pop-up dialog box, click   Uninstall .
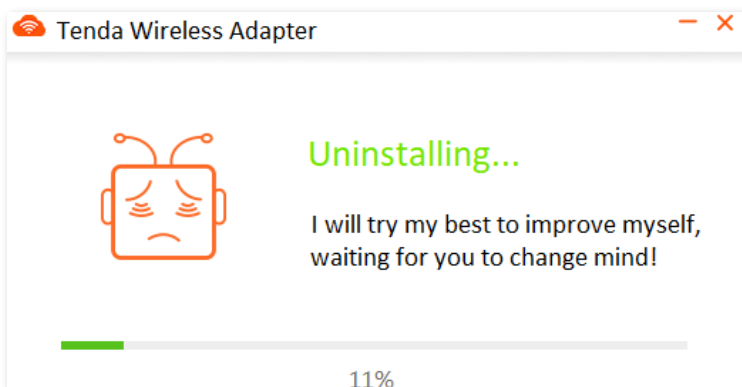
This app and its related info will be
uninstalled.

Uninstall

Step 5   Click   **Uninstall** .

Tenda Wireless Adapter   — ×

Do you want to uninstall Tenda
Wireless Adapter Utility now?

☑ Uninstall the drive program   Uninstall   Cancel

---End

Wait a moment, the wireless adapter is being uninstalled.

Tenda Wireless Adapter   — ×

Uninstalling...

I will try my best to improve myself,
waiting for you to change mind!

11%

Uninstalled successfully.

Tenda Wireless Adapter   — ×

Uninstallation completed
Thank you once loved, goodbye is
also a friend!

Goodbye

Appendixes

A.1 FAQ

Q1: I cannot use the wireless USB adapter after it is installed into Windows 11, what should I do?
A1: Please try the following solutions:
1. Refer to <u>Uninstall the program</u> to uninstall the installed program of the wireless USB adapter.
2. Re-plug the wireless USB adapter.
3. Visit <u>tendacn.com</u> to find and download the latest program for this wireless USB adapter to your local computer and unzip it.
4. Double-click 📧**Setup.exe** to install. You can connect to the WiFi network after the program is installed successfully.

Q2: I failed to connect to a WiFi network using the wireless USB adapter. What should I do?
A2: Ensure that:

- You have entered the correct WiFi password.

- You have entered the correct WiFi name and WiFi password if you are manually connecting to a hidden network.

Q3: I failed to do a WPS connection with my router. What should I do?
**A3:** Ensure that:

- The radio signals between the wireless router and the wireless USB adapter are not blocked.

- The WPS function of the router is enabled. For details, see the user guide of the router.

- The WPS function of the wireless USB adapter is enabled, which means that the LED of the wireless USB adapter is blinking.

A.2 Disable other network adapters

To avoid network conflicts between this wireless USB adapter and other network adapters, it is recommended that you disable other network adapters before installing the wireless USB adapter. Here we take Windows 10 OS as an example. The steps on other OS are similar.

Step 1   Click ![icon] or ![icon] in the bottom right corner of the desktop and choose **Network settings**.

Step 2   Click **WLAN** on the left column, and click **Change adapter options**.

Step 3   Target and right-click the self-provided WLAN network adapter of your computer and click **Disable**.

   ---End

💡TIP
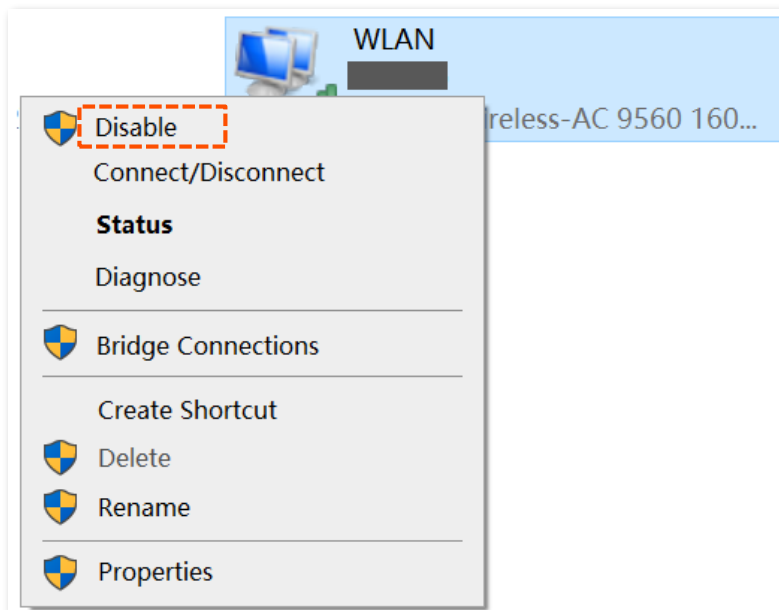
If you want to use the self-provided network adapter of the computer again, you can refer to the above steps to enable.