



AC1300 Wireless Dual Band USB Adapter User Guide

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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 U12.

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: <i>XX:XX:XX:XX:XX:XX</i> |
| 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

Global: (86) 755-27657180

(China Time Zone)

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



Email

support@tenda.com.cn



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 U12 was introduced.

| Version | Date | Description |
|---------|------------|--|
| V1.1 | 2022-04-24 | 1. Added the compatible system of the wireless USB adapter: Windows 11. 2. Optimized sentence expression. |
| V1.0 | 2016-12-12 | Original publication. |

Package contents

- Wireless dual band USB adapter * 1
- USB extension cable * 1
- CD Resource * 1
- Quick Installation Guide * 1

Contents

| | | |
|---|--|----|
| 1 | Get to know your device | 6 |
| | 1.1 Overview | 6 |
| | 1.2 Appearance | 6 |
| 2 | Install the device | 8 |
| | 2.1 Connect the wireless USB adapter to your computer | 8 |
| | 2.2 Install the program | 10 |
| 3 | Connect to a WiFi network | 12 |
| | 3.1 Overview | 12 |
| | 3.2 Connect to a WiFi network | 14 |
| | 3.3 Manually connect to a WiFi network | 16 |
| | 3.4 Using the WPS function for WiFi network connection | 18 |
| | 3.4.1 Overview | 18 |
| | 3.4.2 Connect to a WiFi network using the WPS button | 19 |
| | 3.4.3 Connect to a WiFi network through the UI of the wireless USB adapter | 20 |
| 4 | Uninstall the program | 26 |
| | Appendixes | 29 |
| | A.1 FAQ | 29 |
| | A.2 Disable other network adapters | 30 |

1

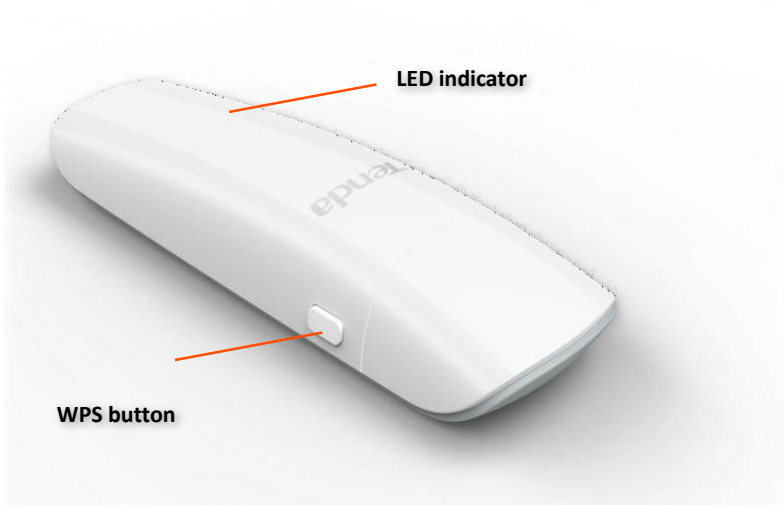
Get to know your device

1.1 Overview

This wireless USB adapter U12 is used to set up a high-speed WiFi connection between a computer and a wireless router, regardless of whether the computer has a wireless connection functionality.

- Support the speed of up to 867 Mbps (5 GHz) + 400 Mbps (2.4 GHz).
- Be compliant with IEEE 802.11ac/a/b/g/n standards.
- Support WEP, WPA, WPA2, WPA-PSK, and WPA2-PSK security modes.
- Support the WPS function.
- Be compatible with Windows 11/10/8.1/8/7/XP, Linux and Mac 10.9-10.15 operating systems.
- Adopt a USB3.0 interface that offers 10 times of the data transfer speed of a USB 2.0 interface and is compatible with USB2.0.
- Support flexible placement with the included USB extension cable.

1.2 Appearance



| LED indicator/WPS button | Status | Description |
|--------------------------|------------------|--|
| LED indicator | Blinking slowly | Ready to work. |
| | Blinking quickly | Transmitting or receiving data. |
| | Off | Not connected to a computer. |
| WPS button | | Press the button for 1 to 3 seconds to pair up with another device, such as a router or an AP. |



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, or check whether 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, Linux and Mac 10.9-10.15 operating systems.

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



For flexible placement to get better WiFi signals from a router, it is recommended that you use the USB extension cable.

Method 1 Connect the wireless USB adapter to the USB port of your computer using the USB extension cable.



Method 2 Connect the wireless USB adapter to the USB port of your computer directly.




2.2 Install the program

The wireless USB adapter is compatible with Windows 11/10/8.1/8/7/XP, Linux and Mac 10.9-10.15 operating systems. Windows 10 is taken as an example here.

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

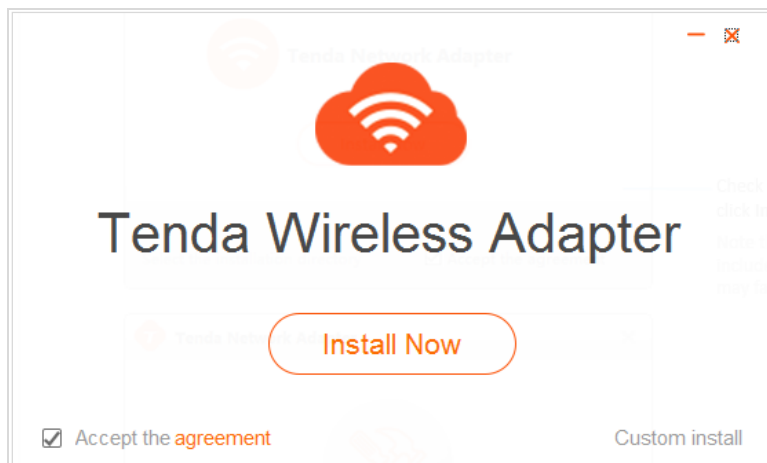
If your computer has no CD drive, go to www.tendacn.com to download the program of the product and make sure that the directory of the downloaded program does not include Chinese characters. Otherwise, the installation may fail.



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.

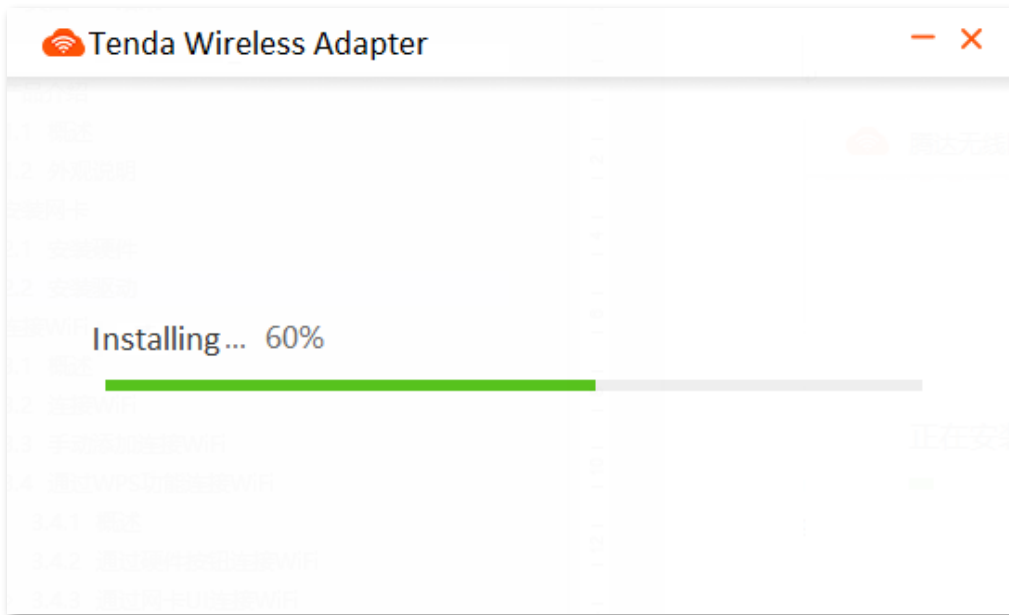


By default, the program is installed on the C drive of the computer. You can click **Custom Install** to change the installation location.



---End

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

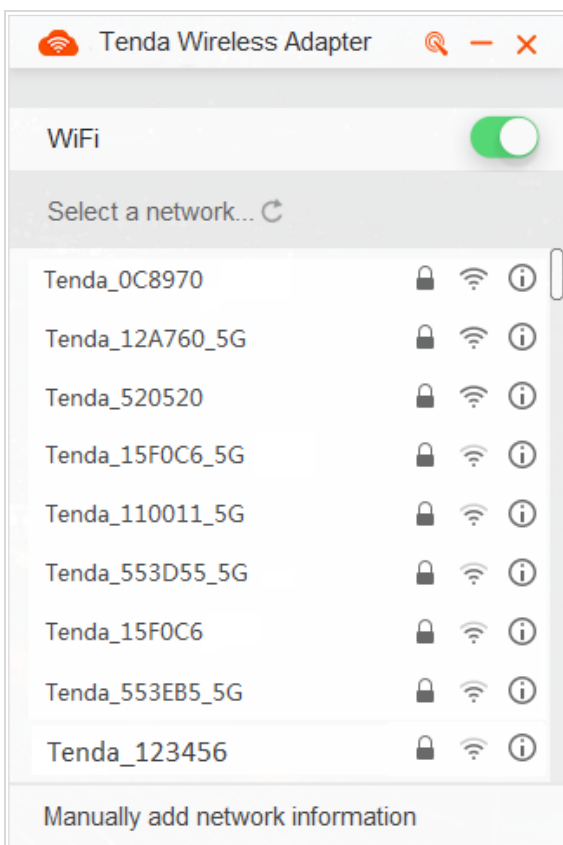


3 Connect to a WiFi network






3.1 Overview

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

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



Element description

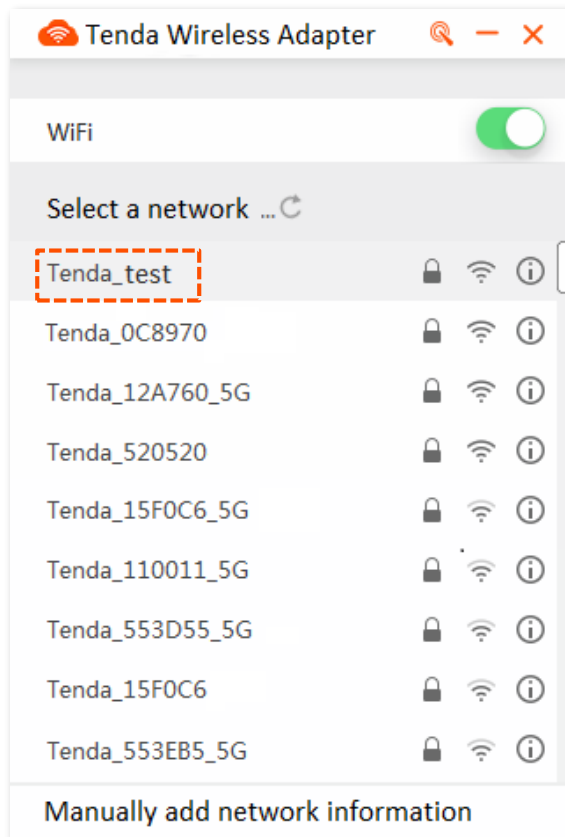
| Element | Description |
|---|---|
| WiFi | It specifies whether to enable the WiFi function. By default, it is enabled. Once disabled, the wireless USB adapter will not be used properly. |
|  | Click it to configure the WPS function. |
|  | Click it to refresh the available networks list. |
|  | It 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 add network information | Click it to manually add the WiFi network. It is used to connect to the WiFi network that has been hidden. |

3.2 Connect to a WiFi network

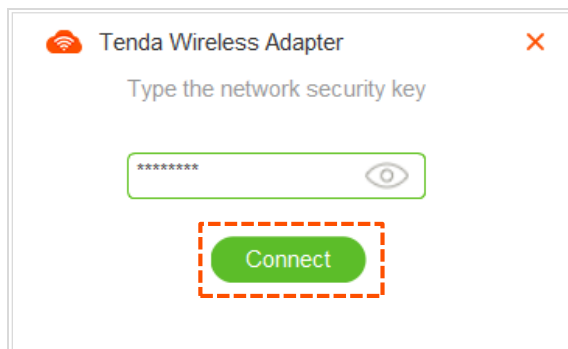
Assume that the WiFi name of the router to be connected is **Tenda_test** and the password is **UmXmL9UK**.

Procedures:

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

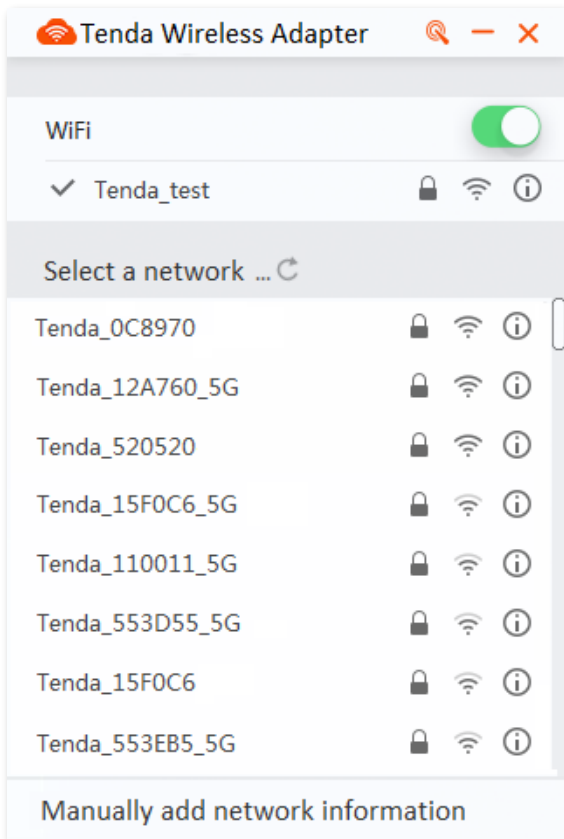


Step 2 Enter the WiFi password, and click **Connect**.



---End

Wait a moment, the WiFi network is connected successfully.



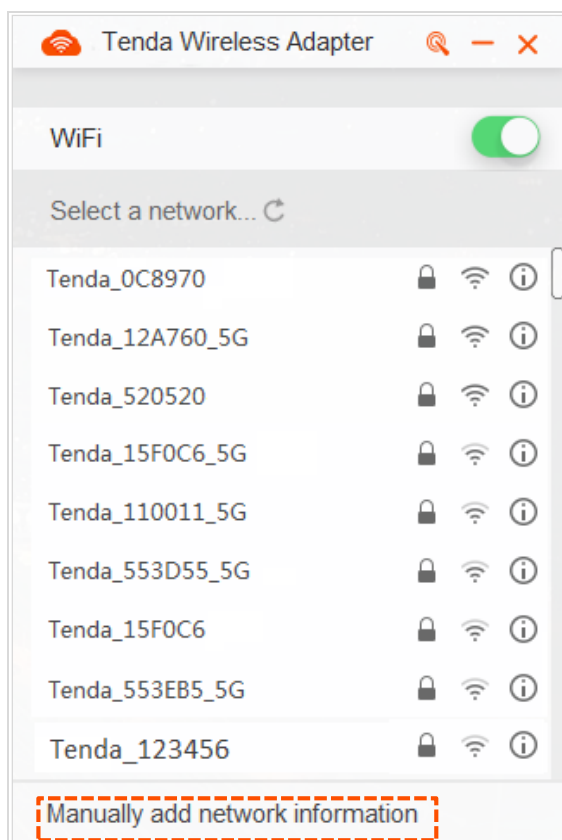
3.3 Manually connect to a WiFi network

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

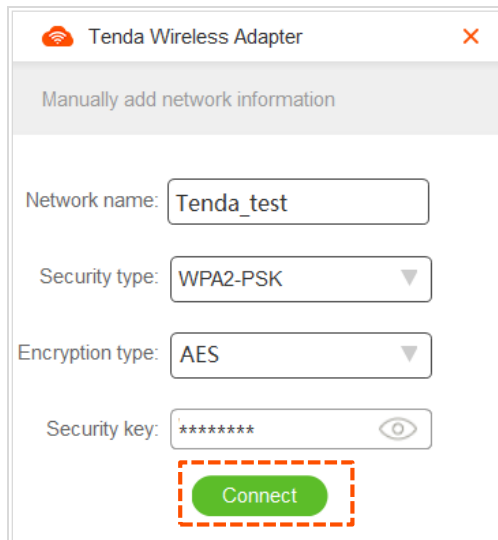
Procedures:

Step 1 Click **Manually add network information**.



Step 2 Enter the information of your WiFi network, and click **Connect**.

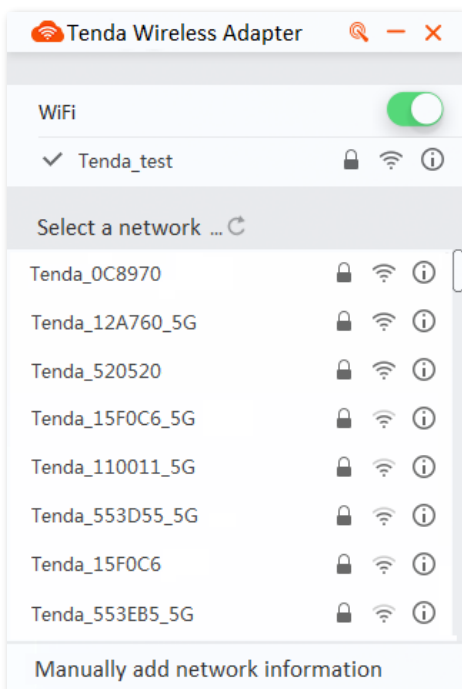
1. Enter the **Network name** (WiFi name) that you want to connect, which is **Tenda_test** in this example.
2. Select the **Security type** of the WiFi network, which is **WPA2-PSK** in this example.
3. Select the **Encryption type** of the WiFi network, which is **AES** in this example.
4. Enter the **Security key** (WiFi password) of the WiFi network, which is **UmXmL9UK** in this example.



The screenshot shows a window titled "Tenda Wireless Adapter" with a close button (X) in the top right corner. Below the title bar is a header "Manually add network information". The form contains four input fields: "Network name" with the text "Tenda_test", "Security type" with a dropdown menu showing "WPA2-PSK", "Encryption type" with a dropdown menu showing "AES", and "Security key" with a text field containing "*****" and an eye icon. A green "Connect" button is located at the bottom of the form, highlighted with a red dashed border.

---End

Wait a moment, the WiFi is connected successfully.



3.4 Using the WPS function for WiFi network connection

3.4.1 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 perform a WiFi network connection without entering a WiFi password. The application scenario is shown as 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**.

3.4.2 Connect to a WiFi network using the WPS button

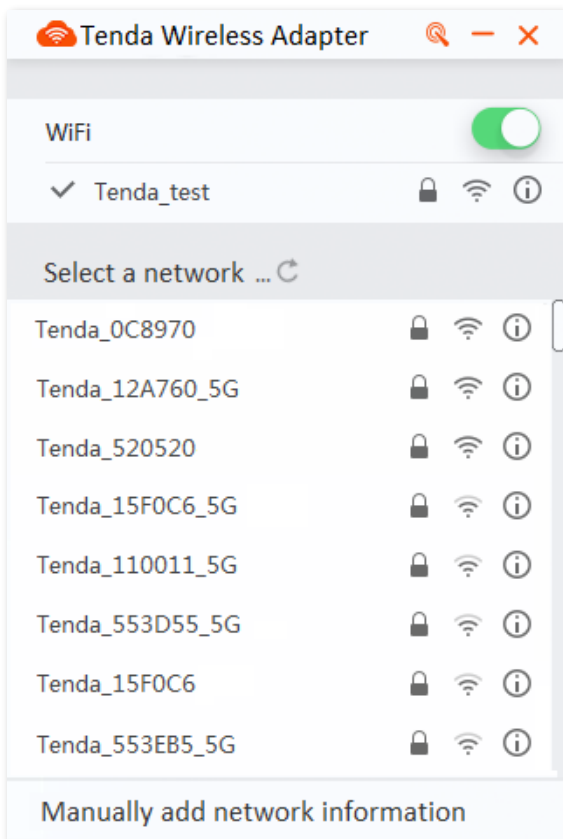
Procedures:

Step 1 Enable the WPS function of the router (refer to the user guide of the router for details).

Step 2 Within 2 minutes, press the WPS button on the wireless USB adapter.

---End


After the connection is successful, you can check the connected WiFi network on the UI of the wireless USB adapter.

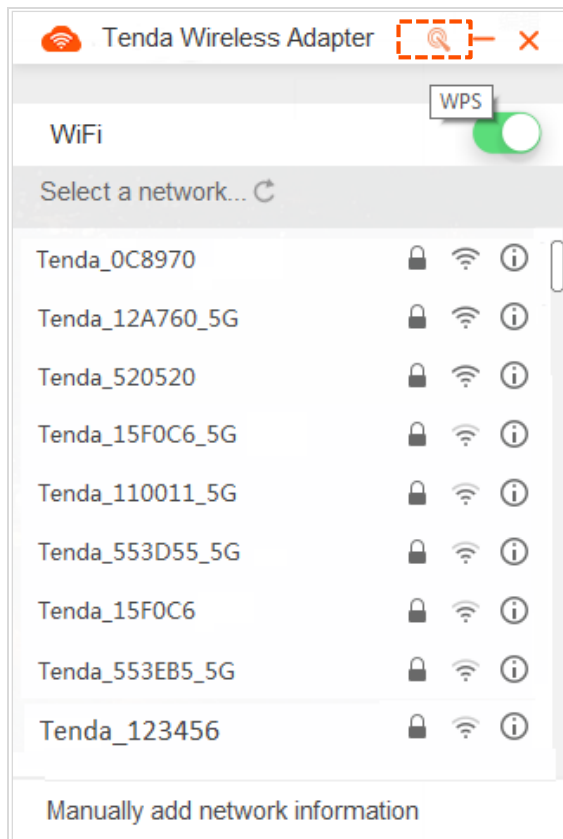


3.4.3 Connect to a WiFi network through the UI of the wireless USB adapter

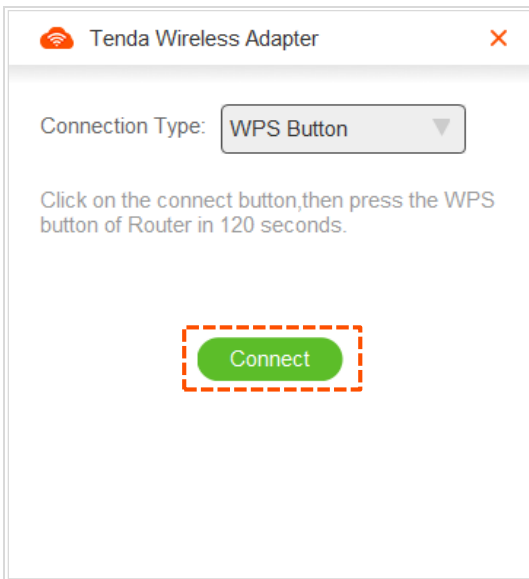
Method 1: Using the WPS button

Procedures:

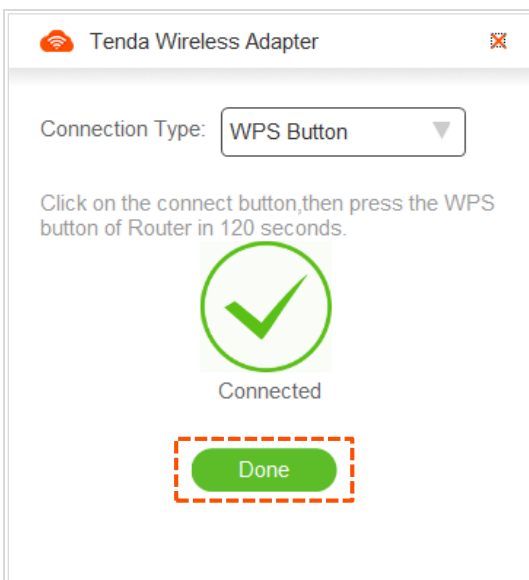
- Step 1** Enable the WPS function of the router (refer to the user guide of the router for details).
- Step 2** Within 2 minutes, click  on the UI of the wireless USB adapter.



Step 3 Set **Connection Type** to **WPS button** and click **Connect**.

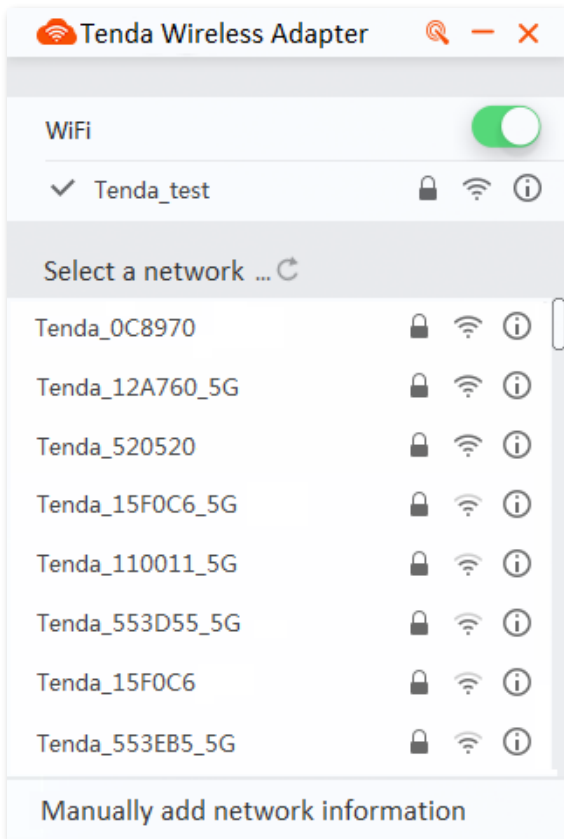


Step 4 Wait until the connection is successful, and click **Done**.




---End

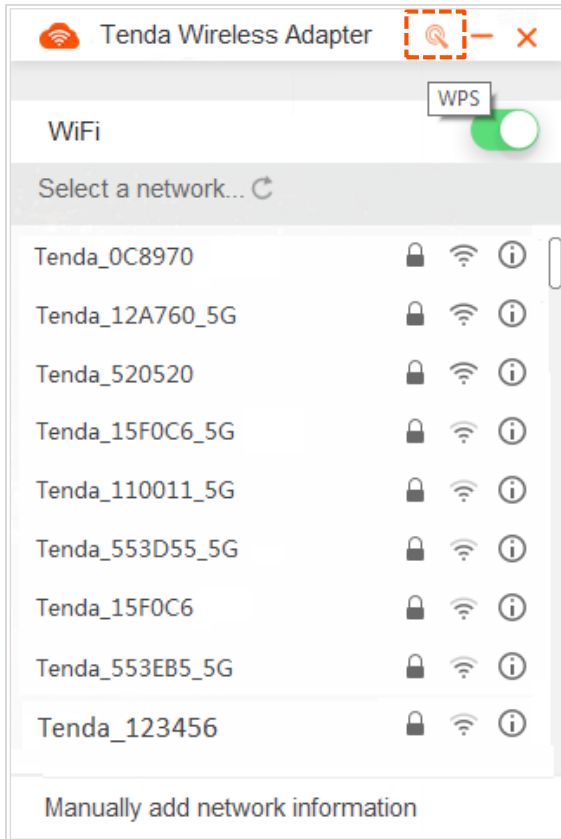
You can check the connected WiFi network on the UI of the wireless USB adapter.



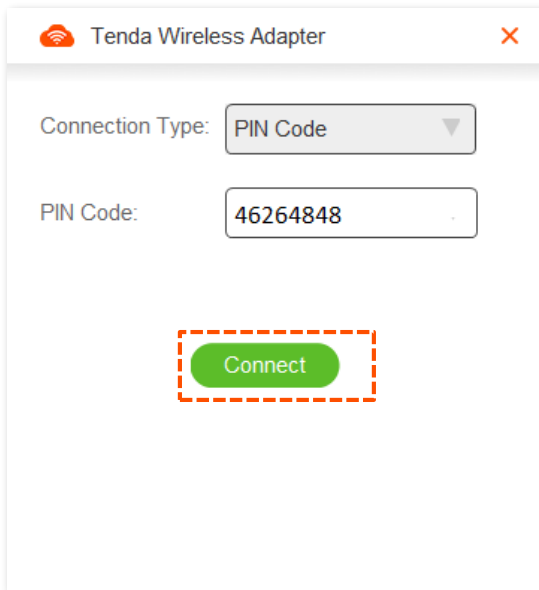
Method 2: Using the PIN code of the router

Procedures:

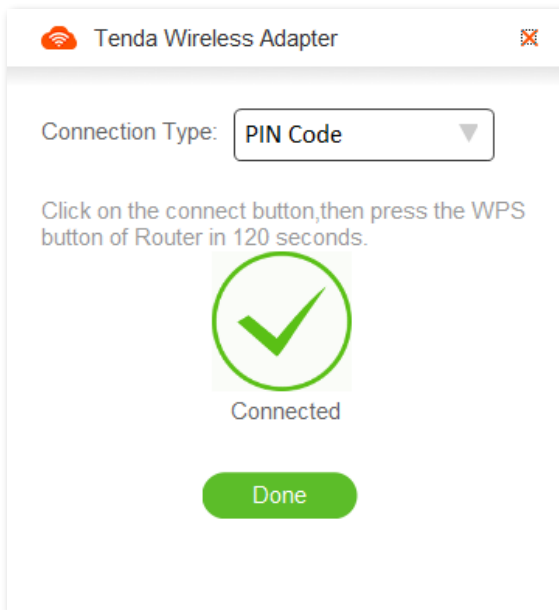
- Step 1** Enable the WPS function of the router, and record the PIN code of the router (refer to the user guide of the router for details).
- Step 2** Click  on the UI of the wireless USB adapter.



Step 3 Set **Connection Type** to **PIN Code**, enter the PIN code of your router, which is **46264848** in this example, and click **Connect**.

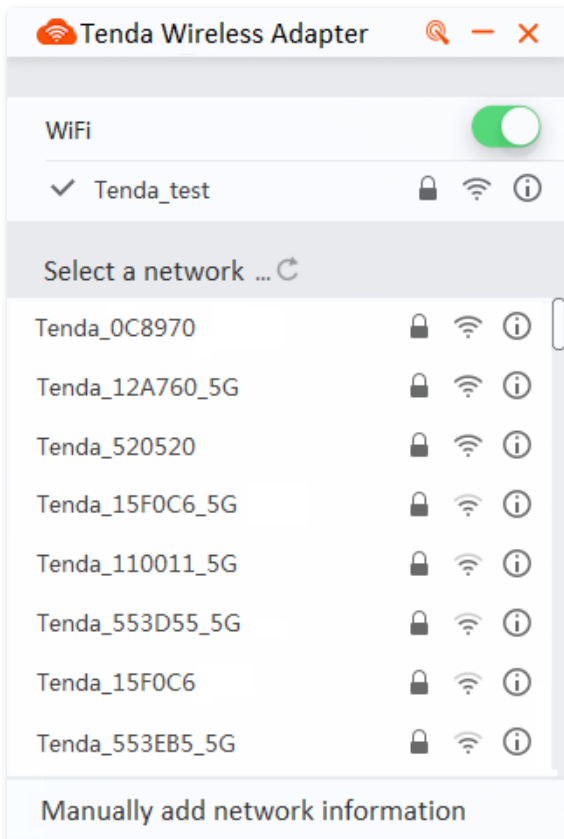


Step 4 Wait until the connection is successful, and click **Done**.



---End

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



4 Uninstall the program

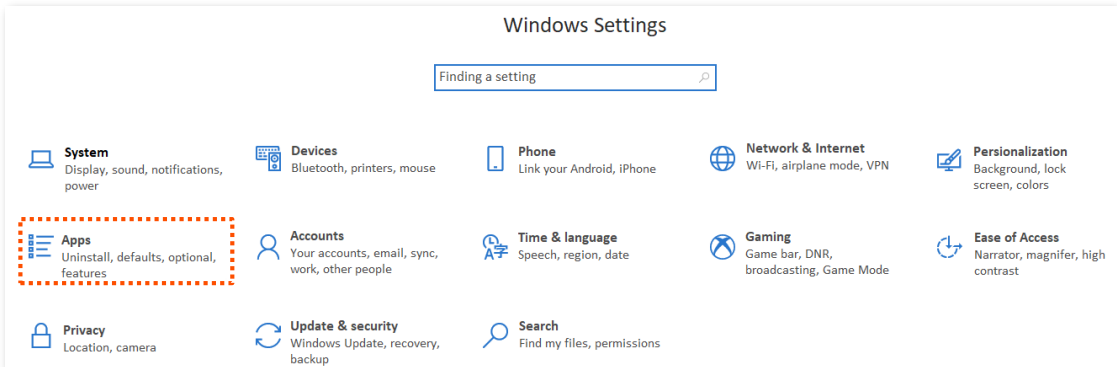
Windows 10 is taken as an example to describe the uninstallation procedures.

Procedures:

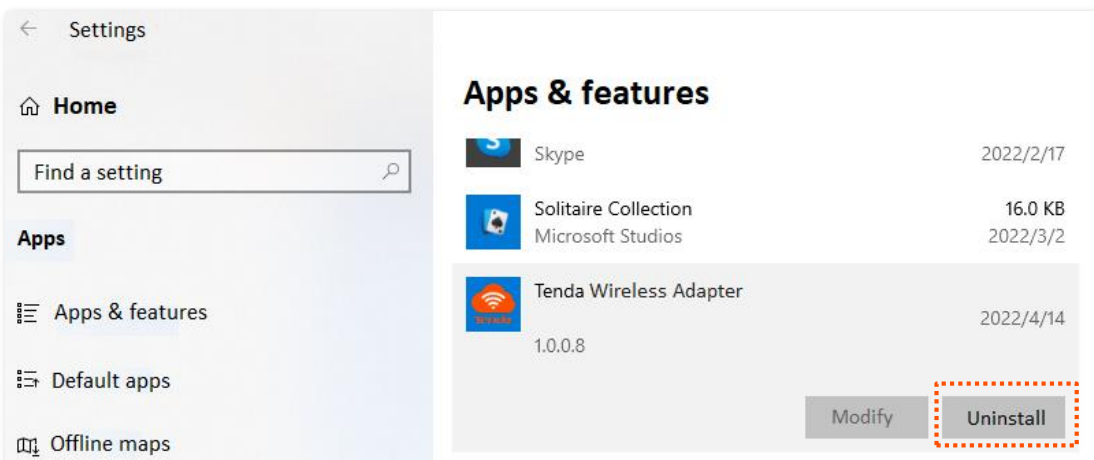
Step 1 Click the icon  and click Settings .



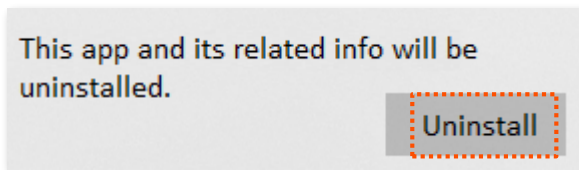
Step 2 Click **Apps**.



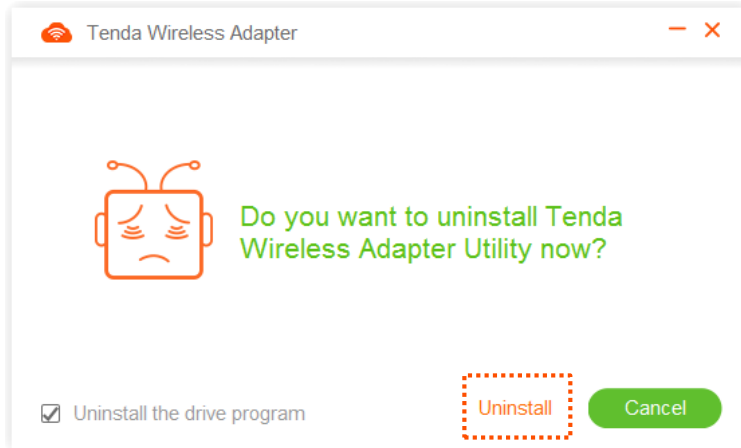
Step 3 Target and click the wireless USB adapter program you want to uninstall, and click **Uninstall**.



Step 4 On the pop-up dialog box, click **Uninstall**.

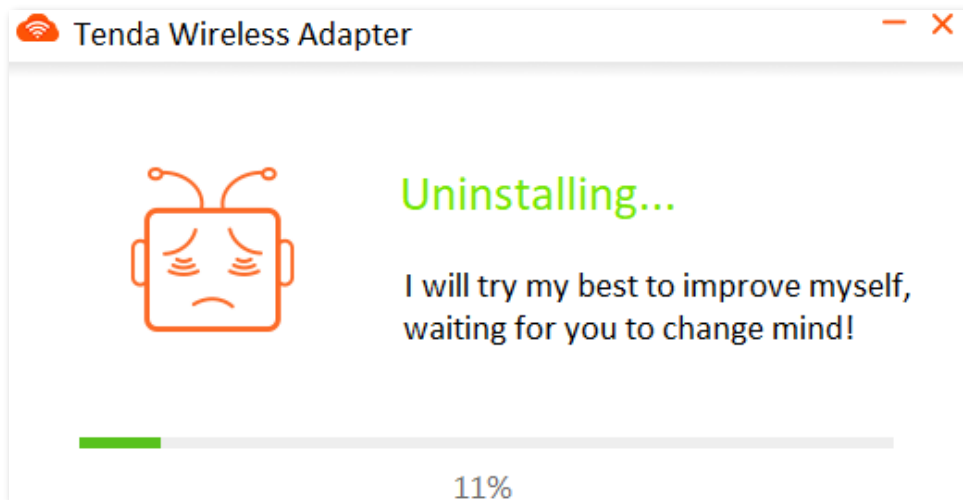


Step 5 Click **Uninstall**.

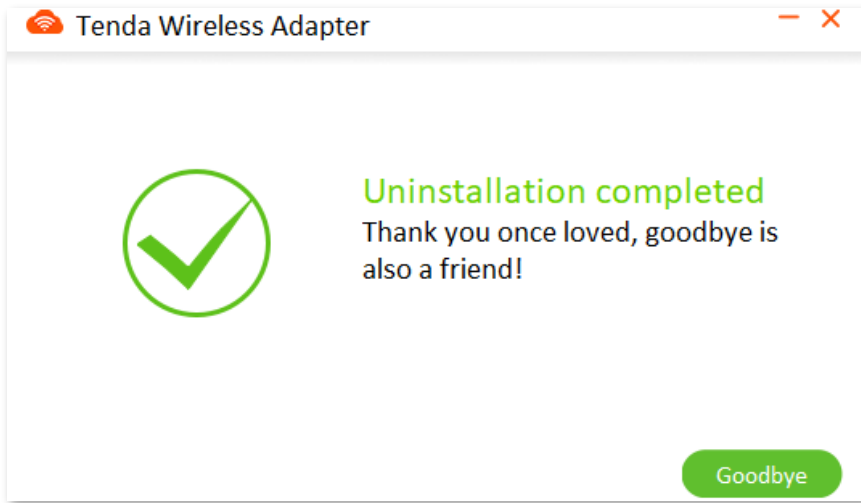


---End

Wait a moment, the wireless adapter is being uninstalled.



Uninstalled successfully.



Appendixes

A.1 FAQ

Q1 I failed to connect to a WiFi network using the wireless USB adapter. What should I do?

A1 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.

Q2 I failed to do a WPS connection with my router. What should I do?

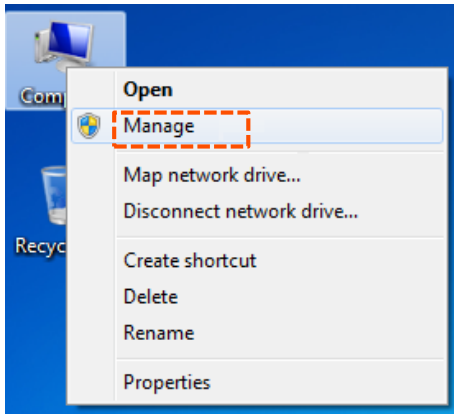
A2 Ensure that:

- 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.

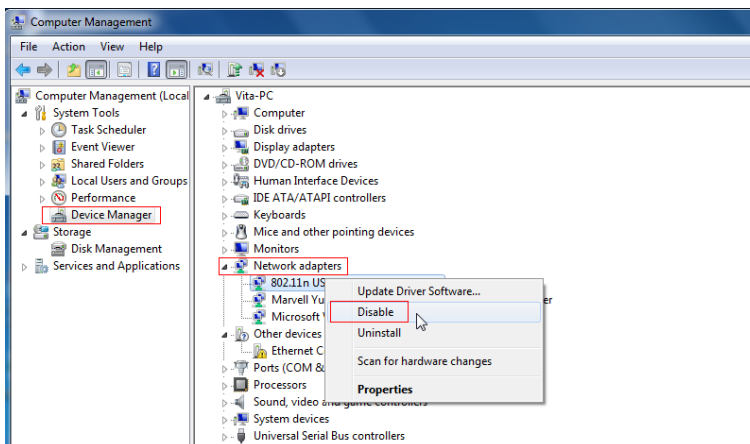
A.2 Disable other network adapters

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 7 OS as an example. The steps on other OS are similar.

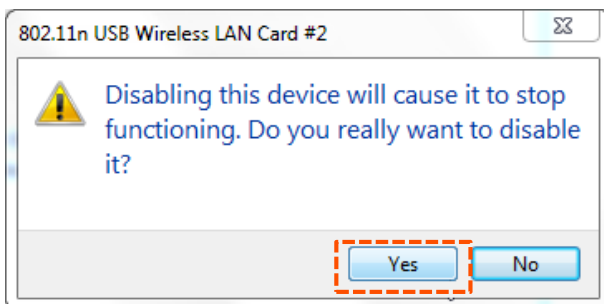
Step 1 Right-click **Computer** and select **Manage**.



Step 2 On the pop-up screen, select **Device Manager** > **Network adapters**, and right-click the network adapter you want to disable and click **Disable**.



Step 3 On the pop-up dialog box, click **Yes** to disable the network adapter.



---End