



User Guide

300 Mbps High Gain Wireless USB Adapter • U6

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Preface

Thank you for choosing Tenda! Please read this user guide before you start with U6.

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 device.
 TIP	This format is used to highlight a procedure that will save time or resources.

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	 Email	support@tenda.cn
	United States: 1-800-570-5892		
	Canada: 1-888-998-8966		
	Hong Kong: 00852-81931998		
	Australia: 1300787922		
	New Zealand: 800787922		
 Website	http://www.tendacn.com	 Skype	tendasz

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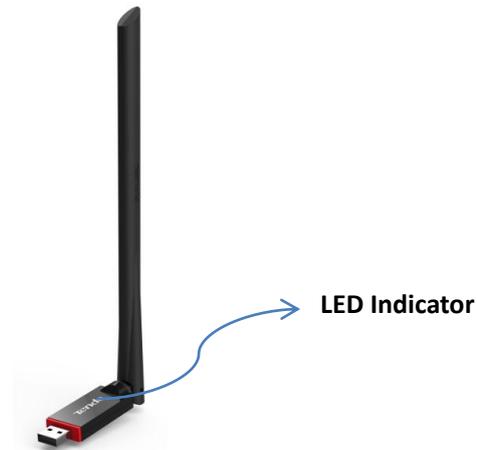
1

Get to Know Your Device

1.1 Overview

Using 11n wireless technology, the wireless USB adapter U6 offers a wireless transmission rate of as high as 300 Mbps, which can effectively reduce delay, and ensure smooth playback of videos, online games and videos on demand etc. Through the wireless USB adapter, a computer or notebook can connect to a wireless network, and wireless devices such as smart phones can connect to the internet. Quick and easy wireless connection can meet various demands, offering more flexible connectivity to lives.

1.2 Appearance



- **Slow blinking.** The wireless USB adapter works properly.
- **Fast blinking.** The wireless USB adapter is searching, connecting and transmitting.
- **Off.** The wireless USB adapter is faulty. Ensure the wireless USB adapter is connected to your computer, the driver is installed, and the WiFi option on the Web UI is enabled.

1.3 Specifications

- USB 2.0 port.
- Compliant with IEEE 802.11b, IEEE 802.11g, and IEEE 802.11n standard.
- Encrypted using WEP, WPA-PSK and WPA2-PSK.
- WPS, SoftAP.
- 300 Mbps wireless transmission rate.

2

Installing the Wireless USB Adapter

You can install the wireless USB adapter simply by performing two steps.

2.1 Connecting the Wireless USB Adapter to Your Computer

Connect the wireless USB adapter to a USB port on your computer.



NOTE

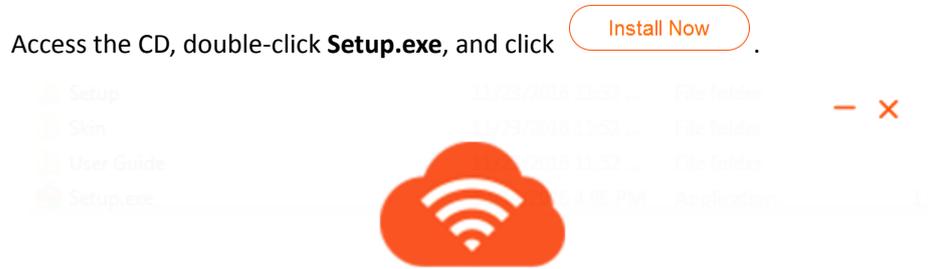
- The wireless USB adapter is compatible with Windows XP/7/8/8.1/10, Linux, and Mac OS.
- If you use Windows 10, you do not need to install the wireless USB adapter driver. Connect the wireless USB adapter to a WiFi network.

2.2 Installing the Tenda Wireless Adapter Program (Example: Windows 7)

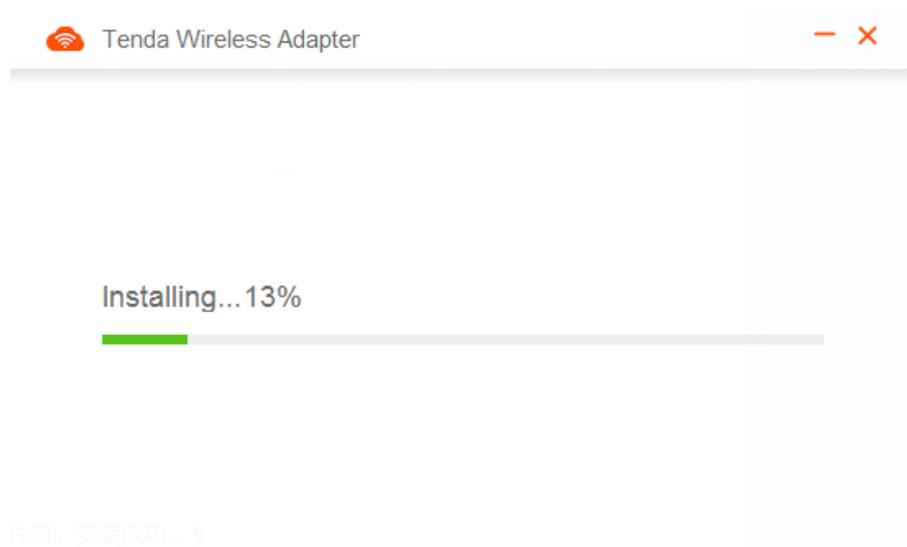
Step 1 Insert the CD into the CD-ROM drive. If your computer has no CD-ROM drive, download the driver from www.tendacn.com.



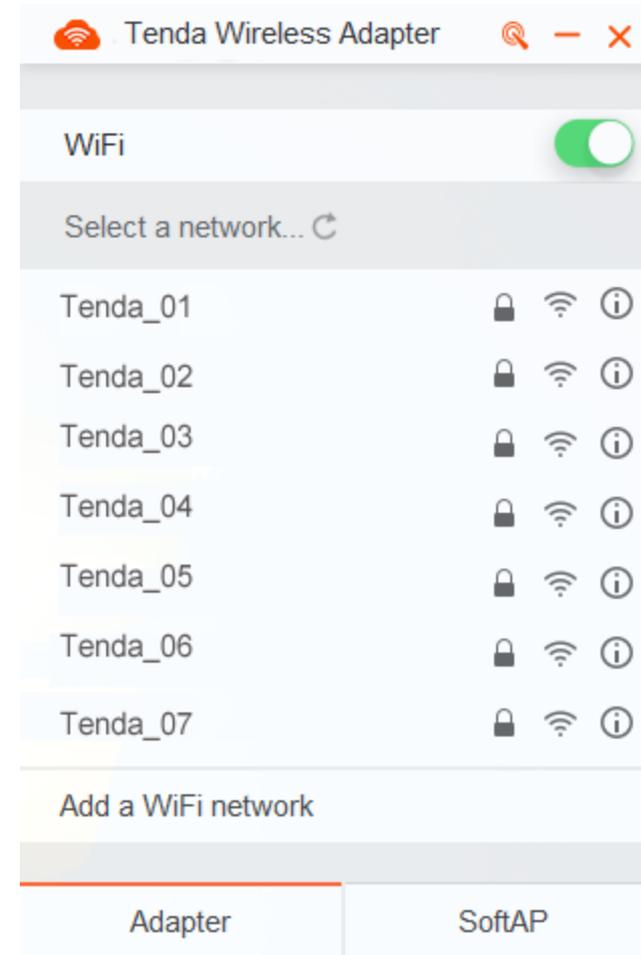
Step 2 Access the CD, double-click **Setup.exe**, and click **Install Now**.



Step 3 Wait a moment for the installation to complete.



After installation completes, the wireless USB adapter program runs automatically.



Description of Icons and Parameters on Web UI:

: The wireless USB adapter is enabled. For normal connection, do not disable this button.

: Used to refresh the current network list.

: This wireless network is encrypted.

: Used to indicate the strength of the wireless network.

: Used to view the network details.

Add a WiFi network: Used to manually add the information of the hidden wireless network to be connected.

Adapter mode: Used to connect the router, smart phone and other wireless devices.

SoftAP mode: Used to offer wireless networks for connection of smart phones and other wireless devices.

3

Configuring the Wireless USB Adapter

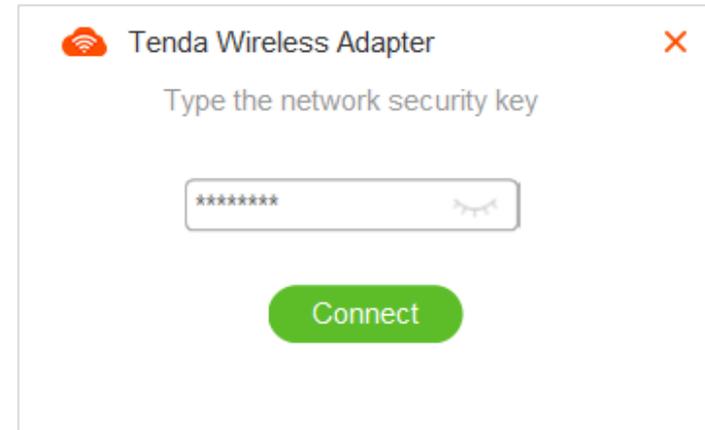
3.1 Adapter Mode

3.1.1 Connecting the Wireless USB Adapter to a WiFi Network

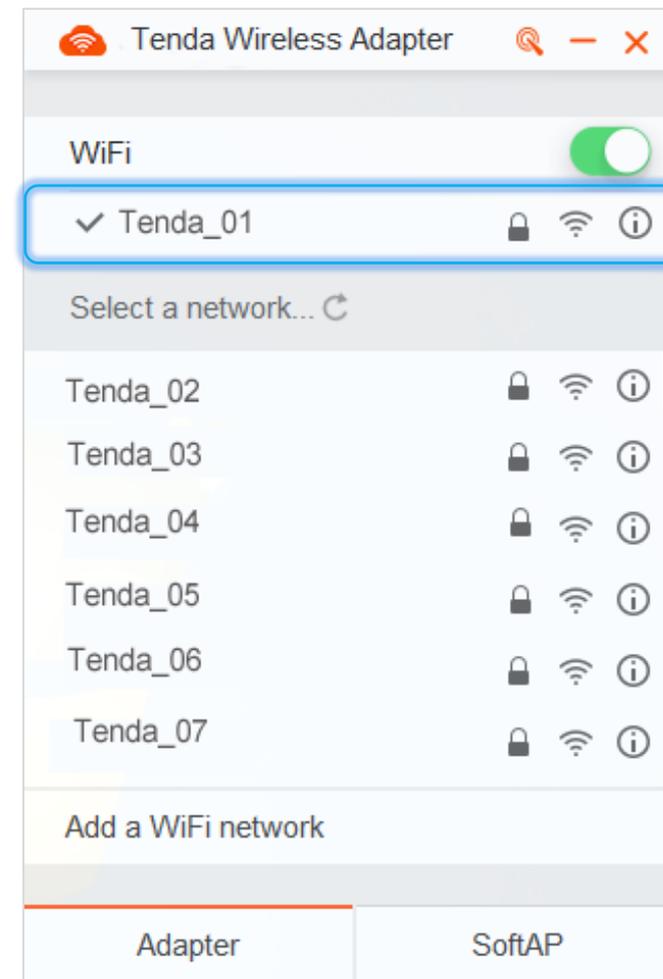
You can connect to a WiFi network after successful installation of the wireless USB adapter.



Step 1 Select the WiFi network to be connected, such as Tenda_01.



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



If the name of the WiFi network to be connected is hidden, you can perform the following procedure to connect to the WiFi network:

Step 1 Obtain basic information about the WiFi network. Assume that the following information is available:

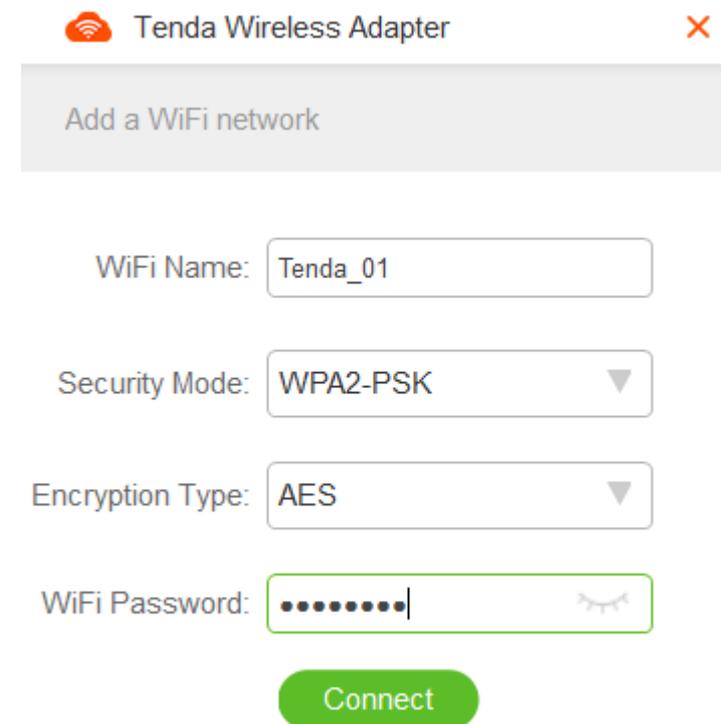
- WiFi name: Tenda_01
- Encryption type: AES
- Security mode: WPA2-PSK
- WiFi password: 12345678

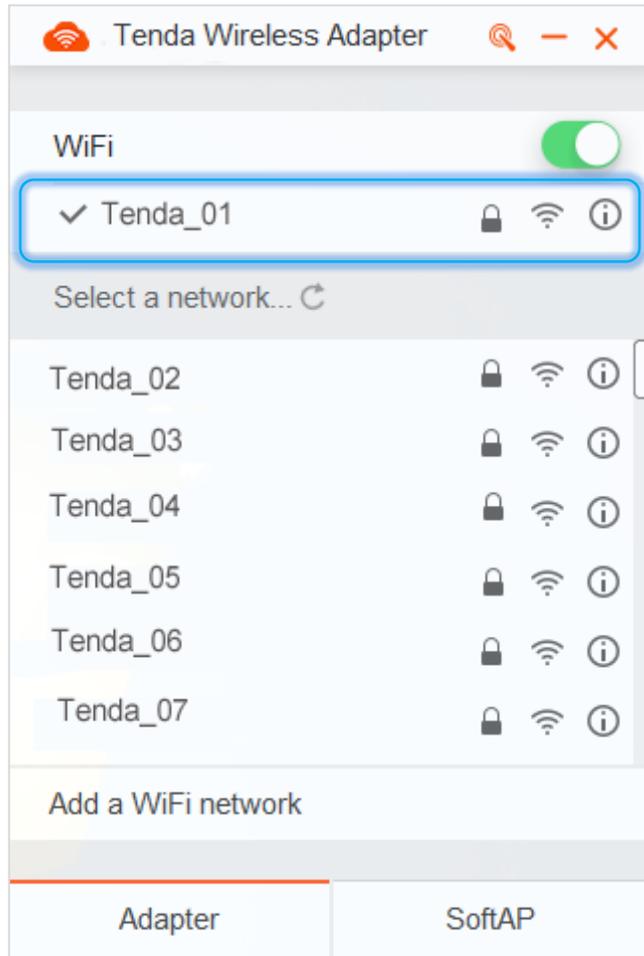
Step 2 Set the information manually to connect to the WiFi network.

Step 3 Access the UI of the wireless USB adapter and click **Add a WiFi network**.



- Set **WiFi Name** to the name of the WiFi network to be connected, which is **Tenda_01** in this example.
- Select the security mode of the WiFi network from the **Security Mode** drop-down list box, which is **WPA2-PSK** in this example.
- Select the encryption type of the WiFi network from the **Encryption Type** drop-down list box, which is **AES** in this example.
- Set **WiFi Password** to the password of the WiFi network to be connected, which is **12345678** in this example.
- Click  .





Connected.

3.1.2 WPS Function

The wireless USB adapter supports the WPS function, which enables you to quickly connect the wireless USB adapter without a password to the encrypted WiFi network of a router that supports this function.

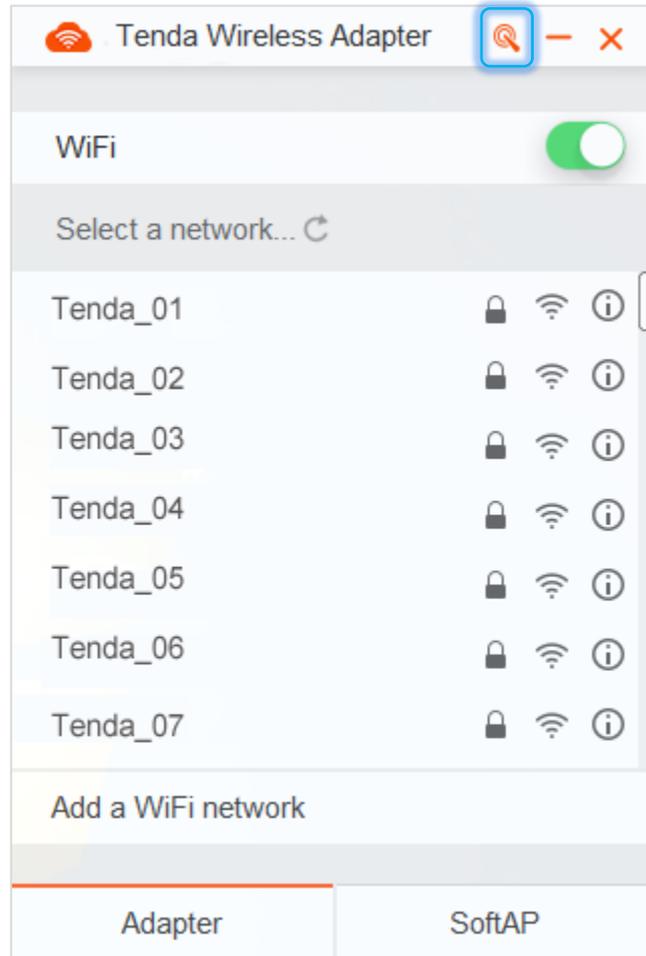
The wireless USB adapter provides a WPS button as well as a PIN for the WPS function. The following section describes how to use the function to connect the wireless USB adapter to a Tenda router. Assume that the WiFi name of the router is Tenda_01.

The following figure shows the application scenario:



Method 1: Using the WPS Button to Connect the Wireless USB Adapter to the Router

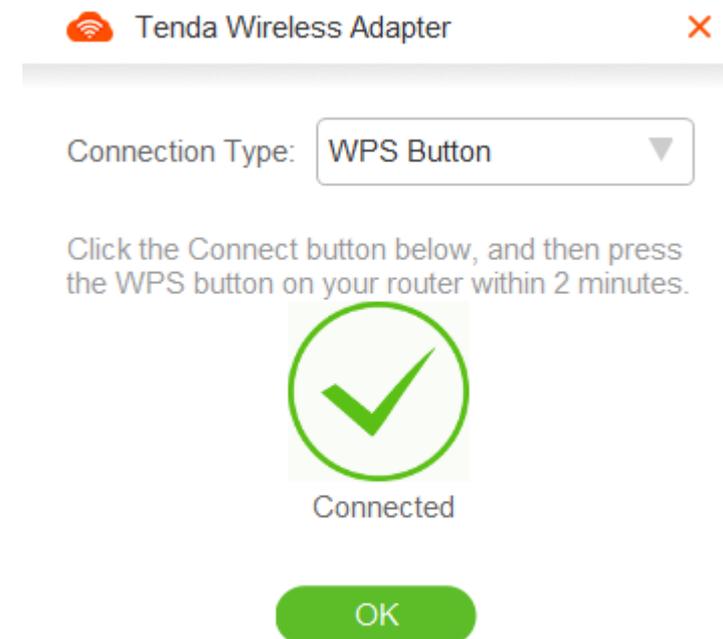
- Step 1** Enable the WPS-PBC function of the router. (For details, refer to the user guide for the router.)
- Step 2** Access the UI of the wireless USB adapter.
- Step 3** Click  in the upper-right corner of the UI.



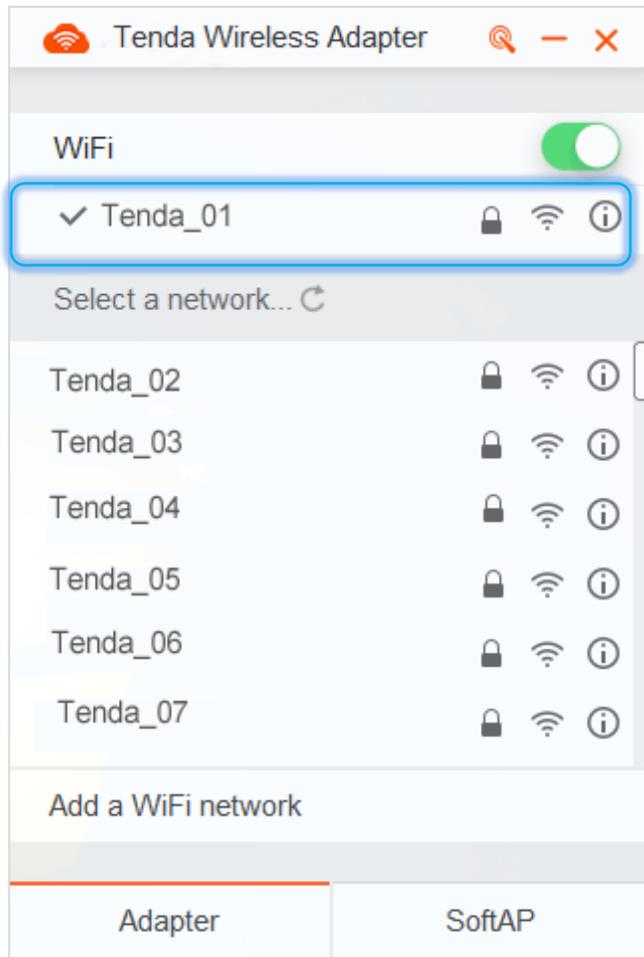
- Step 4** Select **WPS Button** from the **Connection Type** drop-down list box and click .



- Step 5** Wait a moment for the connection to complete.

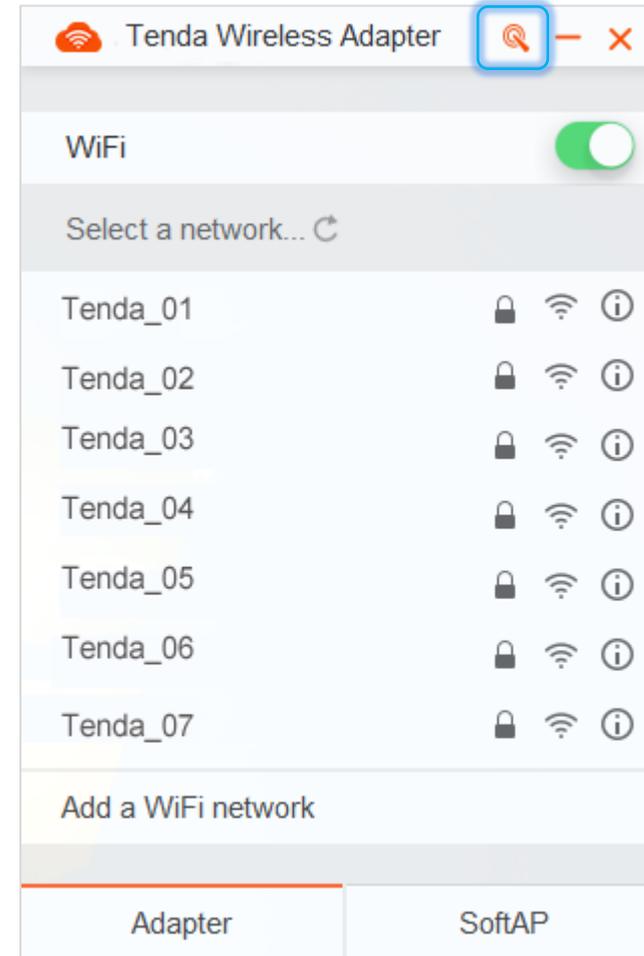


Step 6 Click **OK** and you can see that the wireless USB adapter has been connected to the WiFi network of the router.



Method 2: Using the PIN to Connect the Wireless USB Adapter to the Router

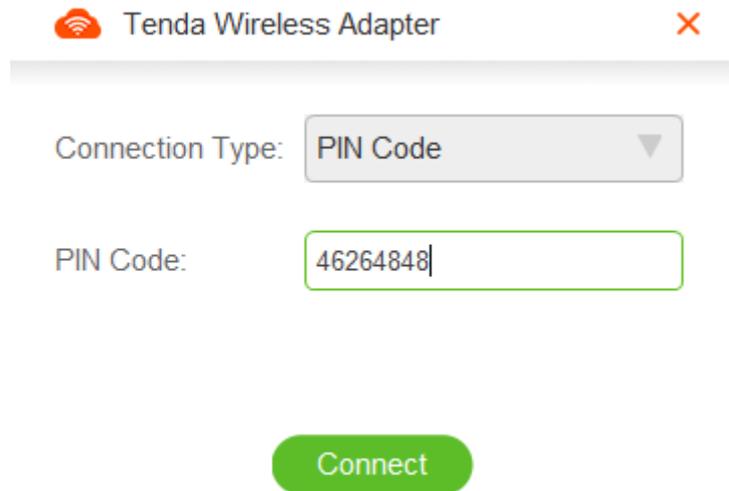
- Step 1** Enable the WPS-PBC function of the router and record the PIN of the router. (For details, refer to the user guide for the router.)
- Step 2** Access the UI of the wireless USB adapter.
- Step 3** Click  in the upper-right corner of the UI.



Step 4 Select **PIN Code** from the **Connection Type** drop-down list box.

Step 5 Enter the PIN code of the router in the **PIN Code** text box.

Step 6 Click  .



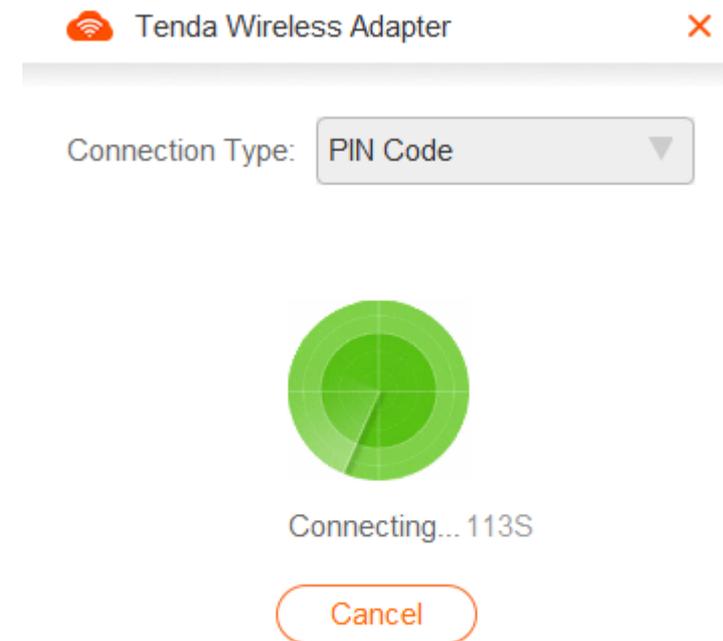
Tenda Wireless Adapter

Connection Type: PIN Code

PIN Code: 46264848

Connect

Step 7 Wait a moment for the connection to complete.



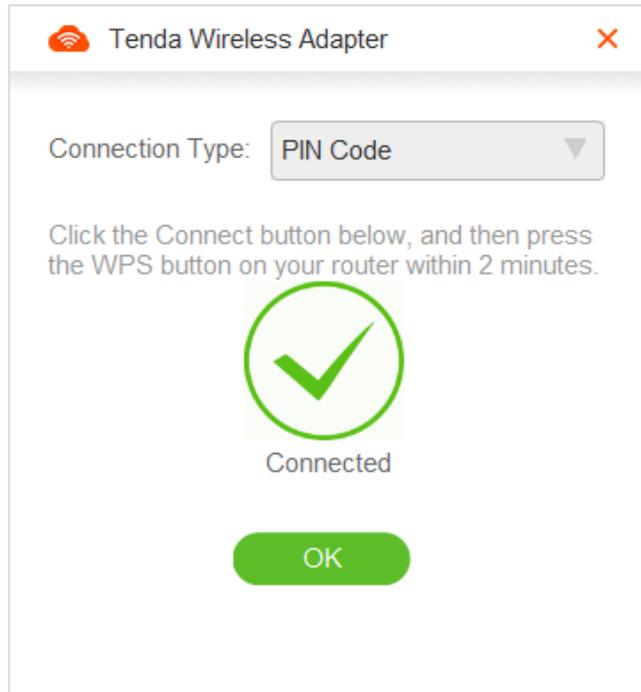
Tenda Wireless Adapter

Connection Type: PIN Code

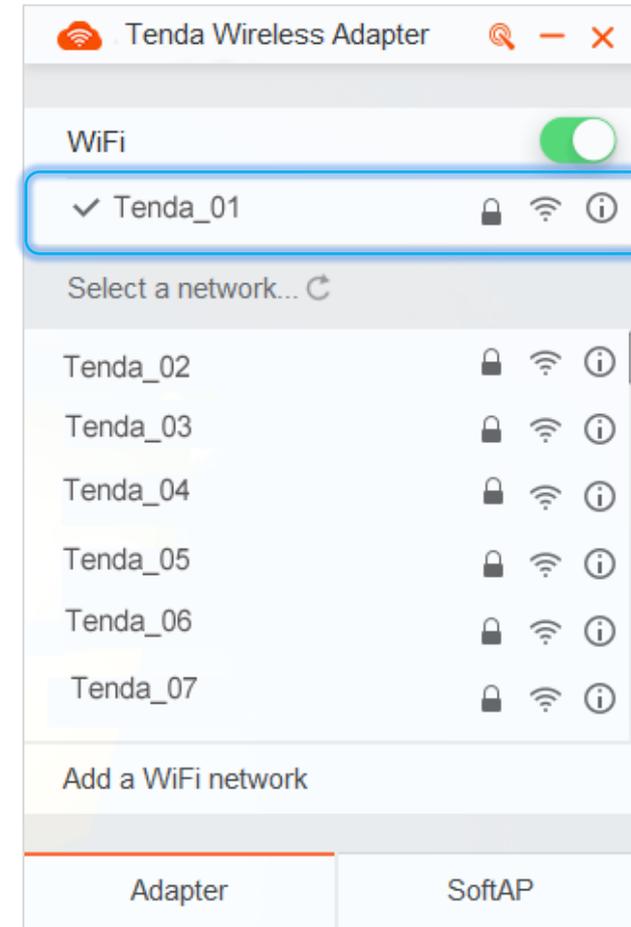
Connecting... 113S

Cancel

If connection succeeds, the message shown in the following figure appears.



Step 8 Click **OK** and you can see that the wireless USB adapter has been connected to the WiFi network of the router.



3.2 SoftAP Mode

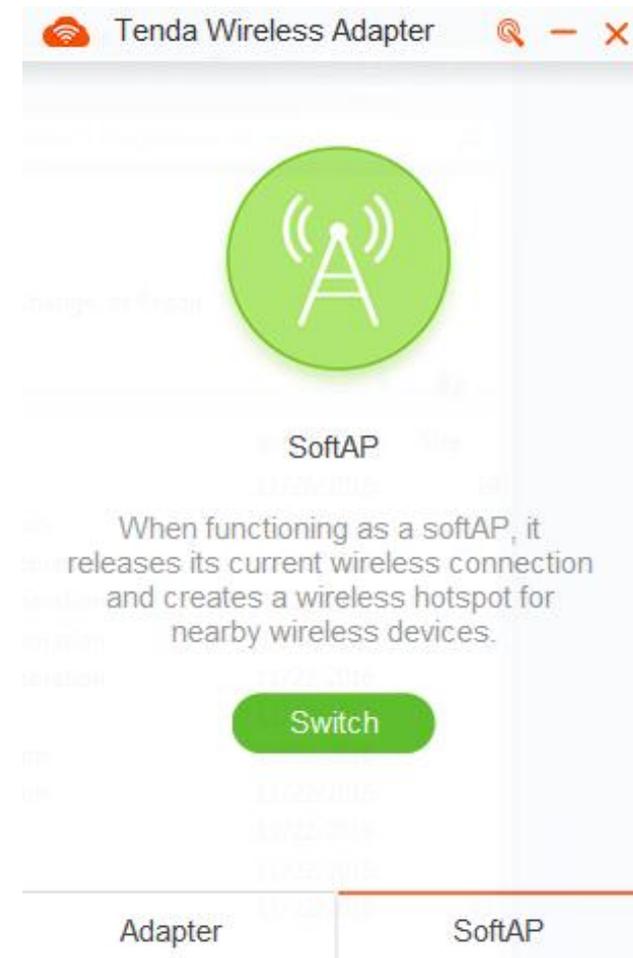
When functioning as a soft AP, the wireless USB adapter can convert the wired network signal into a wireless network signal for nearby wireless devices to connect. For connection of other wireless devices to the WiFi network released by the wireless USB adapter, make sure that your computer is connected to the internet.

The following figure shows the application scenario:

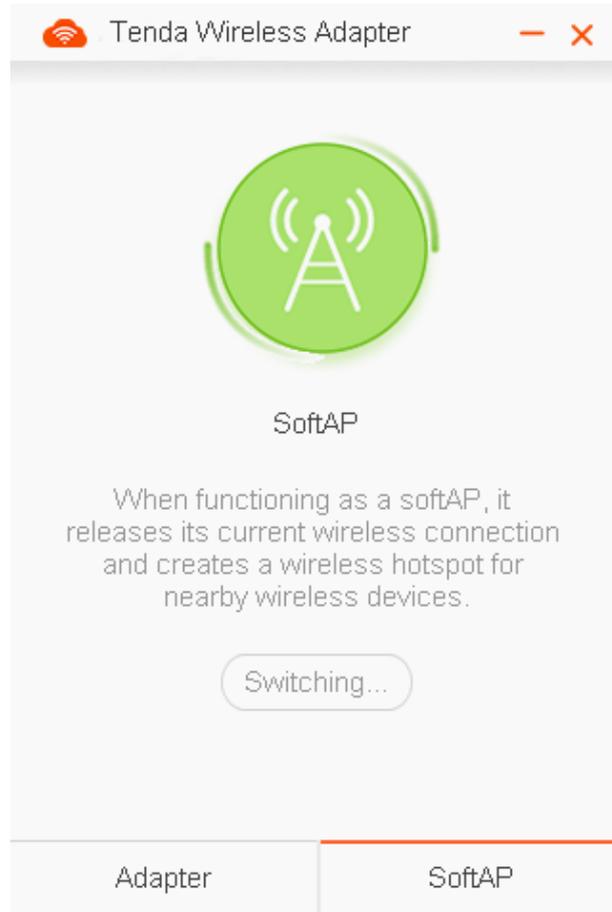


Steps for Switching to SoftAP:

Step 1 Click **SoftAP** in the lower-right corner of the screen to access the configuration page and click **Switch**.



Step 2 Wait when the wireless USB adapter is switching to the SoftAP mode.

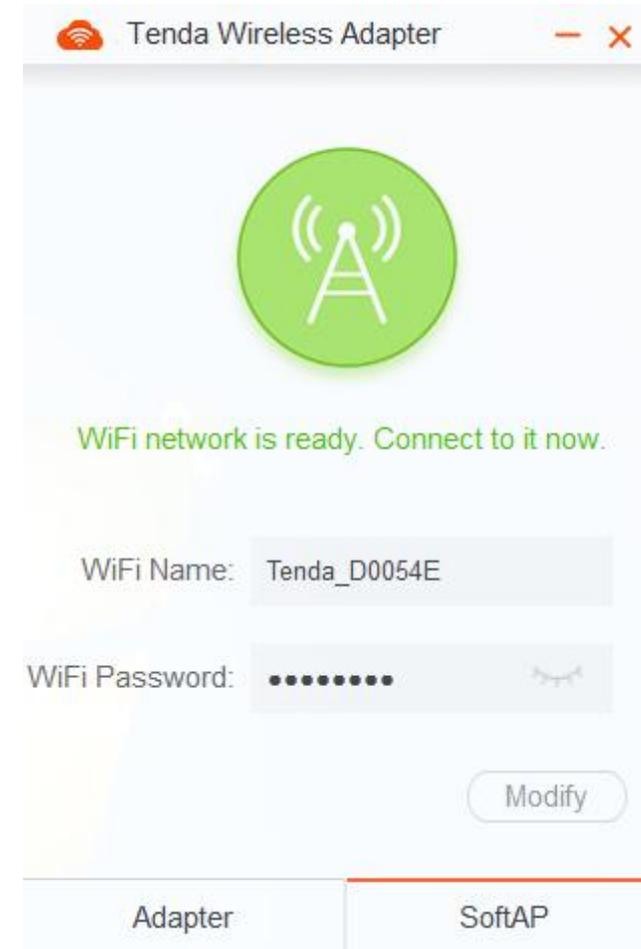


After the wireless USB adapter is switched to the SoftAP mode, the default soft AP settings are as follows:

WiFi Name: Tenda_XXXXXX, where XXXXXX represents the last 6 digits of MAC address;

WiFi Password: Random 8-digit number. To view the WiFi password, click .

To change the WiFi name or WiFi password, click , enter the new WiFi name or password, and click .

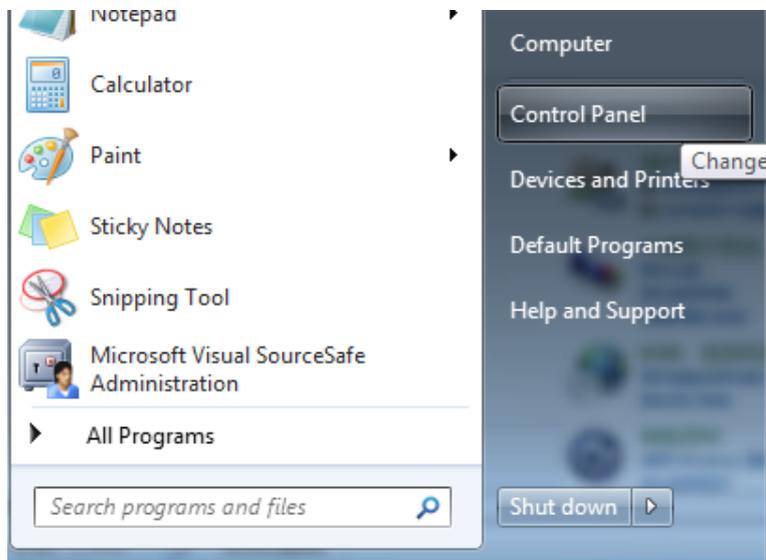


4

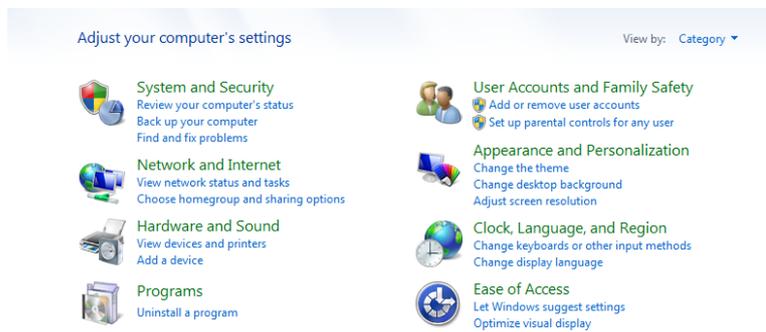
Appendixes

4.1 Uninstalling the Driver of the Wireless USB Adapter (Example: Windows 7)

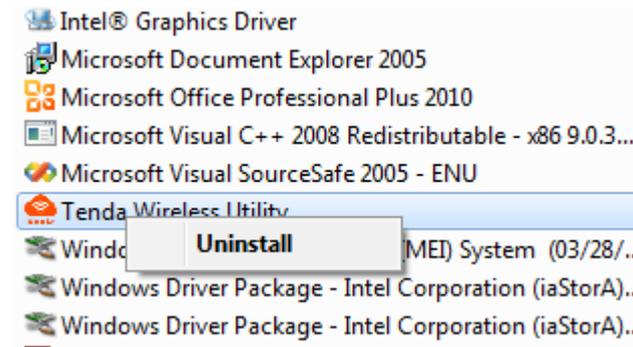
Step 1 Click  and choose **Control Panel**.



Step 2 Click **Uninstall a program**.

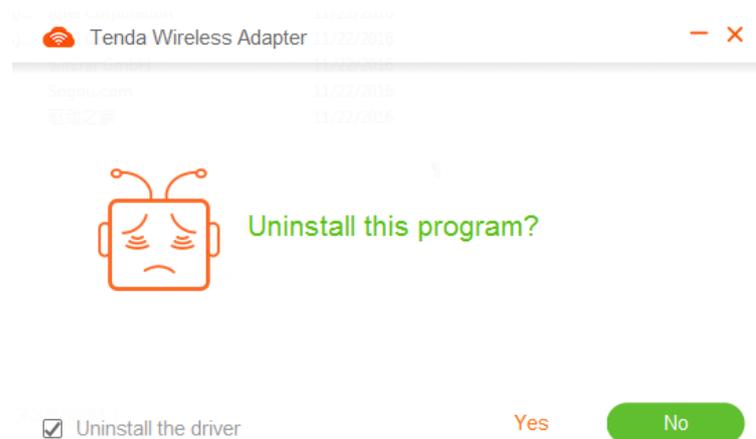


Step 3 Right-click the driver of the wireless USB adapter and choose **Uninstall**.

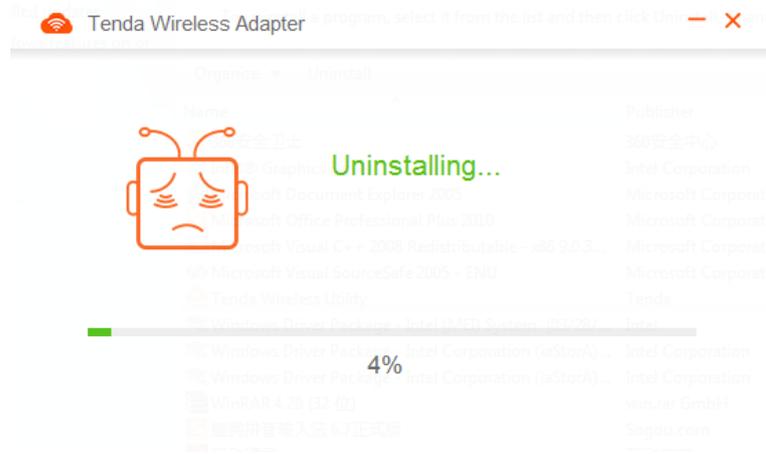


If you want to uninstall only the UI of the wireless USB adapter, deselect **Uninstall the driver**.

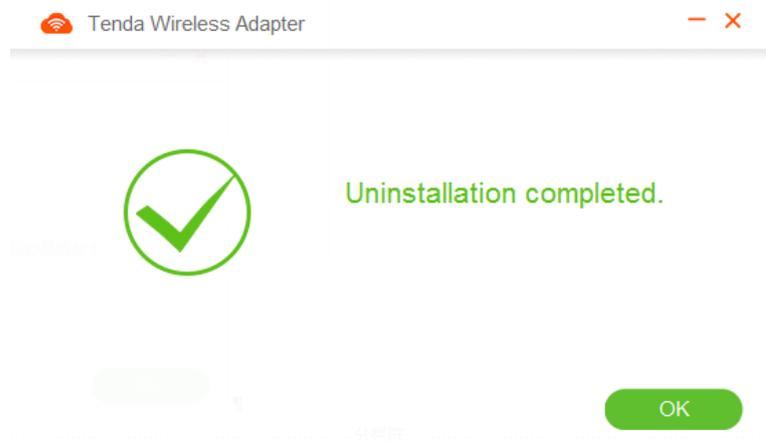
Step 4 Click **Yes**.



Step 5 Wait a moment for the uninstallation to complete.



When uninstallation succeeds, the message shown in the following figure appears.



4.2 FAQ

Q1: Driver installation fails or the driver cannot work properly. What should I do?

- A1:**
- 1 If a dialog box appears to require a file when you install the driver on Windows XP, click **OK** to continue installing the driver.
 - 2 During installation, if a dialog box appears asking you whether to block the current installation operation, do not block the operation.
 - 3 If the wireless USB adapter fails to work properly after being installed, try reinstalling it.

Q2: The wireless USB adapter fails to connect to a WiFi network. What should I do?

- A2:**
- 1 Verify that the WiFi password is correct.
 - 2 If you connect the wireless USB adapter to the WiFi network by manually entering WiFi information, verify that the WiFi name, security mode, encryption type, and WiFi password are correct.

Q3: WPS negotiation between the wireless USB adapter and a router fails. What should I do?

- A3:**
- 1 Reduce as much blockage and interference between the wireless USB adapter and the router as possible.
 - 2 Verify that the WPS function of the router is enabled. (For details, refer to the user guide for the router.)
 - 3 Verify that the LED indicator of the wireless USB adapter blinks fast during WPS negotiation.

For more information, download the latest documents for the wireless USB adapter from Tenda's official website at <http://www.tendacn.com>

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Safety and Emission Statement



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 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, it is recommended to use a shielded RJ45 cable.

Declaration of Conformity

Hereby, SHENZHEN TENDA TECHNOLOGY CO., LTD. declares that the radio equipment type U6 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)

EIRP Power (Max.): 12.9dBm

Software Version: V0.12.2



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 new electrical or electronic equipment.

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.

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.

Radiation Exposure Statement

This equipment should be installed and operated with minimum distance 20cm between the radiator & 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.

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.