



Quick Installation Guide

Wireless USB Adapter
U18 v3.0/U18a v3.0



Video and More Info

Scan the QR code or visit www.tendacn.com for installation videos, technical specifications, Symbols on Products and Materials, and more information.

You can see the product model on the device body.

Package Contents

- Wireless USB Adapter x 1
- Quick Installation Guide

Install the Wireless USB Adapter

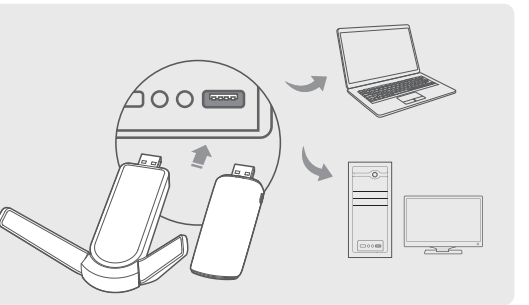
Windows (Example: Windows 10)



Tips

- This wireless USB adapter has a built-in driver and supports installation on Windows 10/11. Please follow the instructions below.
- To ensure optimal internet performance, uninstall any existing wireless USB adapters (see **Q1** in the **Windows FAQs**) and disable the built-in wireless adapter before installation.

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

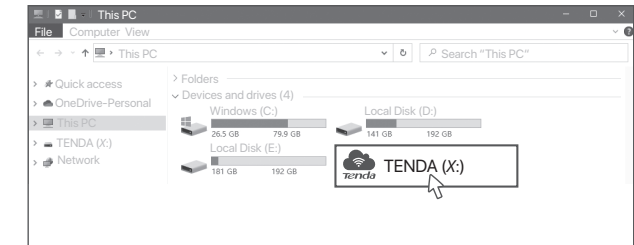


2. Install the driver.

Click the system pop-up message, double-click the driver  **Setup.exe**, and follow the on-screen instructions to install it.

If no driver window appears after the wireless network adapter is plugged into the computer's USB port, please refer to the following steps (Example: Windows 10).

- 1 Double-click **This PC** or **My Computer**  on the desktop.
- 2 Double-click **USB Drive (X:)** or **TENDA (X:)** (try another USB port if not found), then follow the on-screen instructions to install the wireless adapter.

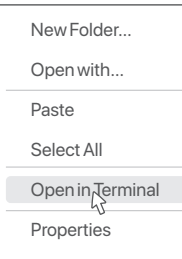


Linux (Example: Ubuntu)

This wireless USB adapter can be installed on Linux. Common distributions include Ubuntu, Deepin, Mint, Debian, KOS, UOS, and others.

1. Download the Linux driver.
Visit www.tendacn.com, find your wireless USB adapter model, then go to **Support** > **Downloads** to download the Linux driver, and extract it.
2. Install the Linux driver via the command line.
If prompted during installation, enter the administrator password.

- 1 In the driver folder, right-click on an empty area and select **Open in Terminal**.



- 2 Make sure your computer is connected to the internet, then install the required packages using the following commands:

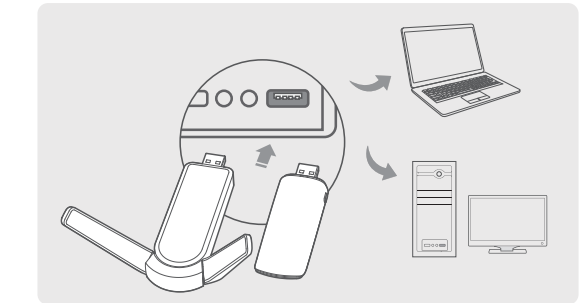
* This step prevents installation failures due to missing system components. If your computer is not connected to the internet, skip to step 3.

```
sudo apt update  
sudo apt install build-essential  
sudo apt install linux-headers-$(uname -r)
```

- 3 Install the driver by running: **sudo dpkg -i ax1800-wifi-adapter-linux-driver.deb**

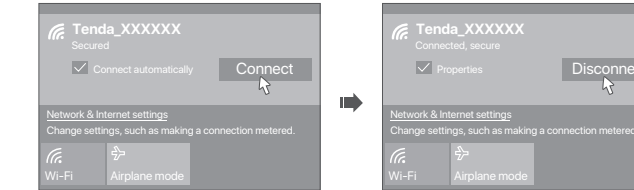
The installation is complete when **Install xx wifi driver successful!!!!!!** appears.

3. Insert the wireless USB adapter into the computer's USB port. Once recognized, connect to Wi-Fi.



Connect to a Wi-Fi (Example: Windows 10)

- Click the  or  at the bottom right of your desktop, select the Wi-Fi you want to connect to, and click **Connect**. If the Wi-Fi is secured, enter its password, click **Next**, and follow the on-screen instructions.

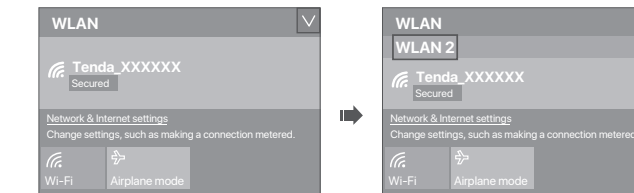


- If your computer has multiple wireless adapters, such as on a laptop, when using this wireless adapter to connect to Wi-Fi, click  and then select the WLAN for this adapter, for example **WLAN2**. Then connect to Wi-Fi.



Tips

WLAN is the default name of the computer's built-in adapter.



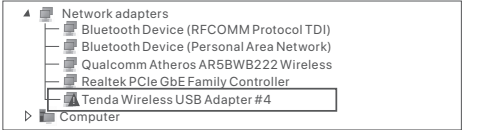
Your wireless adapter is now ready for use.

FAQ

Windows FAQs

Q1: Wireless USB adapter shows an exclamation mark or cannot detect Wi-Fi

If the wireless USB adapter shows an exclamation mark (as in the example below) or cannot detect Wi-Fi, please uninstall the adapter driver, unplug and reinsert the adapter, and then reinstall the driver.



Steps to uninstall the wireless adapter driver (Example: Windows 10):

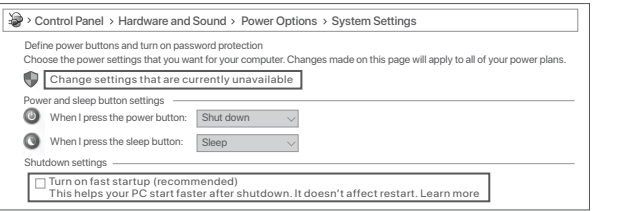
- 1 Click  at the bottom left of your desktop, then click the settings icon .
- 2 Click **Apps**.
- 3 Locate and uninstall any other installed wireless adapter drivers.

Q2: Wireless USB adapter is plugged in, but Wi-Fi is not detected after rebooting the computer

On some older computers, enabling **Fast Startup** may prevent the computer from fully shutting down. This can cause compatibility issues if the kernel driver is not properly adapted. Please disable **Fast Startup**.

How to disable Fast Startup:

Go to the **Control Panel**, click **Hardware and Sound > Power Options > Choose what the power buttons do**, then click **Change settings that are currently unavailable** and disable **Turn on fast startup**.



Linux FAQs

Q1: Wireless USB adapter is recognized as a USB drive after being plugged in

Locate the adapter recognized as a USB drive in the file manager, right-click it, and select **Eject**.

Q2: Wireless USB adapter is installed successfully but cannot connect to Wi-Fi

This may be caused by an issue with the Wi-Fi module of the wireless USB adapter. Try running **sudo rfkill unblock wifi** to resolve the issue.

Q3: Wireless USB adapter does not work properly in a virtual machine

This may be because the cfg80211 module is not properly loaded. Try running **sudo modprobe cfg80211** to resolve the issue.

Safety Precautions

Before operating, read and follow these precautions to prevent accidents.

- Do not use the device in a place where wireless devices are not allowed.
- Operating temperature: 0°C – 40°C (32°F – 104°F).
- Keep the device away from water, fire, high electric field, high magnetic field, and inflammable and explosive items.
- Keep this device out of reach of children to prevent children from using it as a toy and causing personal injury.

– If such phenomena as smoke, abnormal sound or smell appear when you use the device, immediately stop using it and contact the after-sales service personnel.

– Disassembling or modifying the device or its accessories without authorization voids the warranty, and might cause safety hazards.

– Refer all servicing to qualified service personnel.

For the latest safety precautions, see **Safety and Regulatory Information** on www.tendacn.com.

CE Mark Warning

This is a Class B product.
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 device (Wireless USB Adapter) is in compliance with Directive 2014/53/EU.
The full text of the EU Declaration of Conformity is available at the following internet address: <https://www.tendacn.com/download/list-9.html>
Operating Frequency/Max Output Power

English: Operating Frequency/Max Output Power Polish: Częstotliwość pracy / Maksymalna moc wyjściowa Deutsch: Betriebsfrequenz/Max. Ausgangsleistung Русский: Рабочая частота/макс. выходная мощность Français: Fréquence de fonctionnement/Puissance de sortie maximale Nederlands: Bedrijfsfrequentie/Maximaal uitgangsvermogen Čeština: Provozní frekvence/maximální výstupní výkon Română: Frecvența de funcționare/Puterea maximă de ieșire Português: Frequência de Funcionamento/Potência Máxima de Saída Svenska: Driftsfrekvens / Max Uteffekt Slovenščina: Prevalžková frekvencia/maximalni izstopni výkon عربي: تردد التشغيل / الحد الأقصى لطاقة الإخراج	Ελληνικά: Συχνότητα Λειτουργίας/Μέγιστη Ισχύς Εξόδου Magyar: Működési frekvencia/Maximális kimeneti teljesítmény Italiano: Frequenza operativa/Potenza di uscita massima Български: Работна честота/максимална изходна мощност Eesti: Töösagedus/Max väljundvõimsus Dansk: Driftsfrekvens/Maks. Udgangseffekt Suomi: Toimintataajuus/maksimilähtöteho Hrvatski: Radna frekvencija/Maksimalna izlazna snaga Latviešu: Operējošās frekvences/ Maksimālā jauda Lietuvių: Darbinis dažnis / maksimali išėjimo galia Slovenščina: Delovna frekvenca/Največja izhodna moč Türkçe: Çalışma Frekansı/Maks. Çıkış Gücü
2412MHz-2472MHz/20dBm 5150MHz-5250MHz (indoor use only)/23dBm 5725MHz-5850MHz/23dBm	



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.

AT	BE	BG	CH	CY	CZ	DE	DK	EE	EL	ES	FI	FR	HR	HU	IE
IS	IT	LI	LT	LU	LV	MT	NL	NO	PL	PT	RO	SE	SI	SK	UK(NI)



English-Attention: In EU member states, EFTA countries, Northern Ireland and Great Britain, the operation in the frequency range 5150MHz-5250MHz is only permitted indoors.
Deutsch-Achtung: In den EU-Mitgliedsstaaten, den EFTA-Ländern, Nordirland und Großbritannien ist der Betrieb im Frequenzbereich 5150MHz-5250MHz nur in Innenräumen erlaubt.
Italiano-Attenzione: Negli Stati membri dell'UE, nei Paesi EFTA, nell'Irlanda del Nord e in Gran Bretagna, il funzionamento nella gamma di frequenze 5150MHz-5250MHz è consentito solo in ambienti chiusi.
Español-Atención: En los estados miembros de la UE, los países de la AELC, Irlanda del Norte y Gran Bretaña, el rango de frecuencia operativa de 5150MHz-5250MHz solo está permitido en interiores.
Português-Atenção: Nos estados membros da UE, países da EFTA, Irlanda do Norte e Grã-Bretanha, o funcionamento na gama de frequências 5150MHz-5250MHz só é permitido no interior.
Français-Attention: Dans les États membres de l'UE, les pays de l'AELE, l'Irlande du Nord et la Grande-Bretagne, l'utilisation dans la gamme de fréquences 5150MHz-5250MHz n'est autorisée qu'en intérieur.
Nederlands-Aandacht: In de EU-lidstaten, de EVA-landen, Noord-Ierland en Groot-Brittannië is gebruik in het 5150MHz-5250MHz frequentiebereik alleen binnenshuis toegestaan.
Svenska-Uppmärksamhet: I EU medlemsstater, EFTA - länderna, Nordirland och Storbritannien är det endast tillåtet att använda frekvensområdet 5150MHz-5250MHz inomhus.
Dansk-Bemærk: I EU-medlemslandene, EFTA-landene, Nordirland og Storbritannien er drift i frekvensområdet 5150MHz-5250MHz kun tilladt indendørs.
Suomi-Huom: EU-maissa, EFTA-maissa sekä Isossa-Britanniassa ja Pohjois-Irlannissa taajuusalueella 5150MHz-5250MHz on sallittua käyttää ainoastaan sisätiloissa.
Magyar-Figyelem: Az EU-tagállamokban, az EFTA-országokban, Észak-Írországból és Nagy-Britanniában az 5150MHz-5250MHz-es frekvenciatartományban való működtetés csak beltérben engedélyezett.
Polish-Uwaga: W państwach członkowskich UE, krajach Europejskiego Stowarzyszenia Wolnego Handlu (EFTA), Irlandii Północnej i Wielkiej Brytanii praca w zakresie częstotliwości 5150MHz-5250MHz jest dozwolona tylko w pomieszczeniach.
Čeština-Pozor: V členských státech EU, zemích ESVO, Severním Irsku a Velké Británii je provoz ve frekvenčním rozsahu 5150MHz-5250MHz povolen pouze v interiéru.
Ελληνικά-Προσοχή: Στα κράτη μέλη της ΕΕ, στις χώρες της ΕΖΕΣ, στη Βόρεια Ιρλανδία και στη Μεγάλη Βρετανία, η λειτουργία στην περιοχή συχνοτήτων 5150MHz-5250MHz επιτρέπεται μόνο σε εσωτερικούς χώρους.
Română-Atenție: În statele membre UE, țările EFTA, Irlanda de Nord și Marea Britanie, operarea în intervalul de frecvență 5150MHz-5250MHz este permisă numai în interior.
Български-Внимание: В страните-членки на ЕС, страните от ЕАСТ, Северна Ирландия и Великобритания, работата в честотния диапазон 5150MHz-5250MHz е разрешена само на закрито.
Eesti-Tähelepanu: EL-õ liikmesriikides, EFTA riikides, Põhja-Iirimaa ja Suurbritannias on sagedusvahemikus 5150MHz-5250MHz kasutamine lubatud ainult siseruumides.
Slovenščina-Pozor: V državah članicah EU, državah EFTA, Severni Irski in Veliki Britaniji je delovanje v frekvenčnem območju 5150MHz-5250MHz dovoljeno samo v zaprtih prostorih.
Slovenčina-Pozor: V členských štátech EÚ, krajinách EFTA, Severnom Irsku a Veľkej Británii je prevádzka vo frekvenčnom pásme 5150MHz-5250MHz povolená len v interiéri.
Hrvatski-Pozornost: U državama članicama EU, zemljama EFTA-e, Sjevernoj Irskoj i Velikoj Britaniji, rad u frekvencijskom rasponu od 5150MHz-5250MHz dopušten je samo u zatvorenom prostoru.
Latviešu-Uzmanību: ES valstīs, EBTA valstīs, Ziemeļirijā un Lielbritānijā, operēšana iekšējā tīklā ir atļauta tikai 5150MHz-5250MHz diapazonā.
Lietuvių-Dėmesio: ES valstybėse narėse, ELPA šalys, Šiaurės Airijoje ir Didžiojoje Britanijoje 5150MHz-5250MHz dažnių diapazone leidžiama veikti tik patalpose.
Íslenska-Athugið: Í aðildarríkjum ESB, EFTA-löndum, Norður-Írlandi og Bretlandi er rekstur á tíðnisviðinu 5150MHz-5250MHz aðeins leyfður innandyrna.
Norsk-OBS: I EU medlemsland, EFTA-land, Nord-Irland og Storbritannia er drift i frekvensområdet 5150MHz-5250MHz kun tillatt innendørs.

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.
SAR tests are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands.
Before a new device is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each device are performed in positions and locations as required by the FCC.
For body worn operation, this device has been tested and that positions the device a minimum of 5mm from the body.
Non-compliance with the above restrictions may result in violation of RF exposure guidelines.

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

Operating frequency: 2412MHz-2462MHz, 5150MHz-5350MHz, 5470MHz-5725MHz, 5725MHz-5850MHz

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.



Technical Support

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