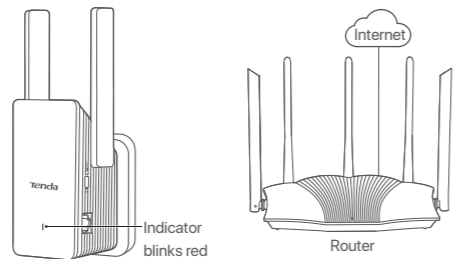# Tenda

Quick Installation Guide

Wi-Fi 6 Range Extender
A23

Please read this guide before you start with the quick setup upon the first use.

I Power on the extender

Plug the extender into a power outlet near the router that is connected to the internet, and wait until the indicator of the extender blinks red.

Internet

Indicator blinks red

Router

II Set Up the Extender

Method 1: Through Tenda WiFi App

❶ Download the **Tenda WiFi** App onto your mobile device by scanning the **QR** code or searching for **Tenda WiFi** in the **Google Play** or **App Store**.

> **Tips**
> If already installed the **Tenda WiFi** App, ensure that the App version is V4.2 or above.

Or

GET IT ON
Google Play

Download on the
App Store
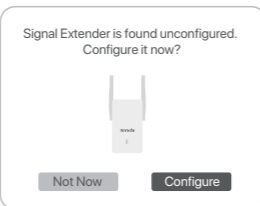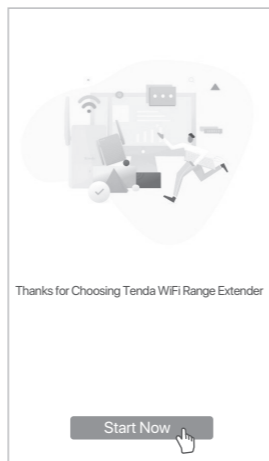
QR code

❷ Connect the smartphone to the Wi-Fi network of the extender: **Tenda_EXT**.
❸ The App will automatically discover the extender, follow the onscreen instructions to set the extender. When the indicator of the extender turns solid on, the extension is successful.

Signal Extender is found unconfigured.
Configure it now?

Not Now   Configure
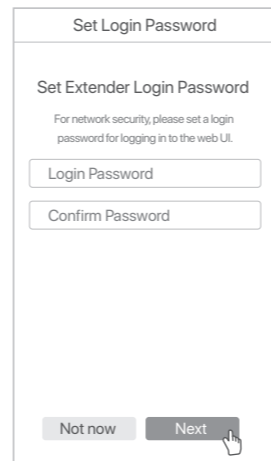

Method 2: Through Web UI (Example: Smartphone)

❶ Connect the smartphone to the Wi-Fi network of the extender: **Tenda_EXT**. When the web UI of the extender is displayed automatically, tap **Start Now**.
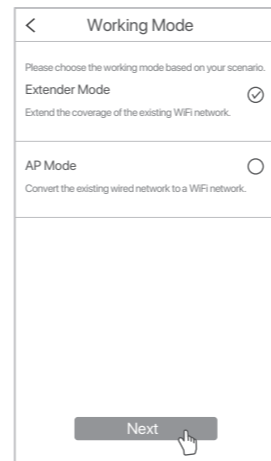
Thanks for Choosing Tenda WiFi Range Extender

Start Now

> **Tips**
> If the above page does not appear, start a web browser, and access **re.tenda.cn** in the address bar to log in to the web UI. If you are configuring through the smartphone, disable your mobile data traffic and try to log in.

❷ Set **Login Password**, and tap **Next**.

Set Login Password

Set Extender Login Password

For network security, please set a login password for logging in to the web UI.

Login Password

Confirm Password

Not now   Next

❸ Set the extender to **Extender Mode**, and tap **Next**.

< Working Mode

Please choose the working mode based on your scenario.

Extender Mode ✓
Extend the coverage of the existing WiFi network.

AP Mode ○
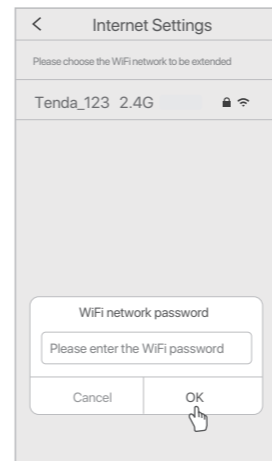Convert the existing wired network to a WiFi network.

Next

❹ Select the Wi-Fi you want to extend, enter its Wi-Fi password, and tap **OK**.

> **Tips**
> If you do not need to extend a certain band of Wi-Fi network, you can tap **Skip 2.4G/5G** on the bottom of the page to skip it.

< Internet Settings

Please choose the WiFi network to be extended

Tenda_123   2.4G   🔒 📶

WiFi network password

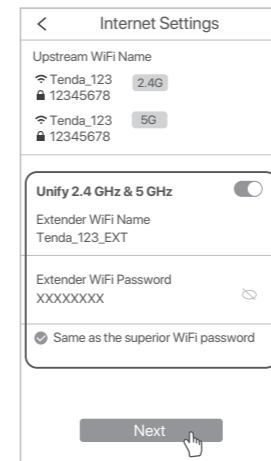Please enter the WiFi password

Cancel   OK

❺ Change the Wi-Fi name and Wi-Fi password of the extender as required, and tap **Next**.
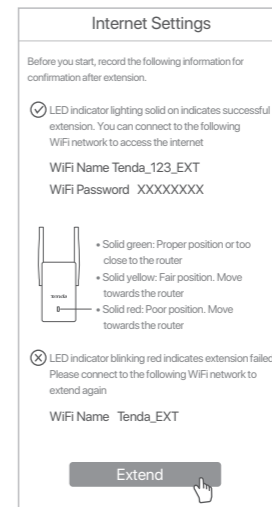
> **Tips**
> It is recommended to use the same password for the upstream device and extender, you can tick **Same as the superior WiFi password**.

< Internet Settings

Upstream WiFi Name
📶 Tenda_123   2.4G
🔒 12345678
📶 Tenda_123   5G
🔒 12345678

Unify 2.4 GHz & 5 GHz ⬤

Extender WiFi Name
Tenda_123_EXT

Extender WiFi Password
XXXXXXXX

☑ Same as the superior WiFi password

Next

❻ Read the extension message, and tap **Extend**.

Internet Settings

Before you start, record the following information for confirmation after extension.

✓ LED indicator lighting solid on indicates successful extension. You can connect to the following WiFi network to access the internet.

WiFi Name Tenda_123_EXT
WiFi Password   XXXXXXXX

• Solid green: Proper position or too close to the router
• Solid yellow: Fair position. Move towards the router
• Solid red: Poor position. Move towards the router

✗ LED indicator blinking red indicates extension failed. Please connect to the following WiFi network to extend again

WiFi Name   Tenda_EXT

Extend

After the extension is completed, please follow the onscreen instructions.
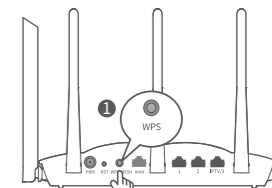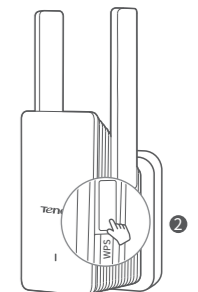

Method 3: Through WPS Button

> **Tips**
> This method is applicable for the router having a WPS button or supporting **Tenda WiFi+** technology.

❶ Press the WPS button of the router for about 1 to 3 seconds to enable its WPS function.
❷ Within 2 minutes, press the **WPS** button on the extender for about 1 to 3 seconds, and its indicator blinks green fast.

When the indicator lights solid on, the setup is successful.
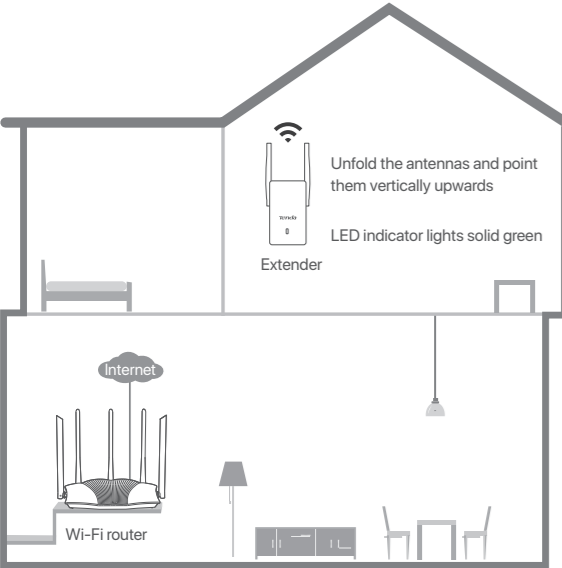

Within 2 minutes

▥ Relocate the Extender

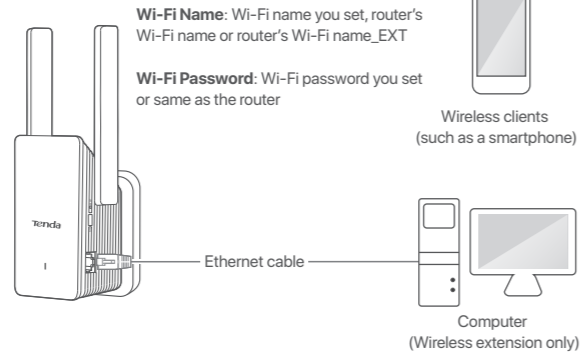❶ Refer to the following relocation tips to locate the extender to obtain a better performance.
– Place the extender between the router and the Wi-Fi dead zone (the location you choose must be within the coverage of the router).
– Keep your extender away from electronics with strong interference, such as microwave ovens, induction cookers, and refrigerators.
– Place the extender in a high position with few obstacles.

❷ Observe the indicator of the extender to ensure the extender is located in the proper position.
– Solid green: Proper position.
– Solid yellow: Fair position. Move the extender closer to the router.
– Solid red: Poor position. Move the extender closer to the router.

Unfold the antennas and point them vertically upwards

LED indicator lights solid green

Extender

Internet

Wi-Fi router

Appearance

1 **Indicator**
Solid green: Starting up or extended successfully.
    Proper position
Solid yellow: Extended successfully. Fair position.
    Move the extender closer to the router
Solid red: Extended successfully. The extender is too
    far away from the router. Move the extender
    closer to the router
Blinking red slowly: Startup Completed. Not extended
    or failed to extend
Blinking green fast: Extending by WPS button
Blinking red fast: Restoring the extender to factory
    settings

2 **Reset button** (Reset method: Refer to **Q2** in the **FAQ**)
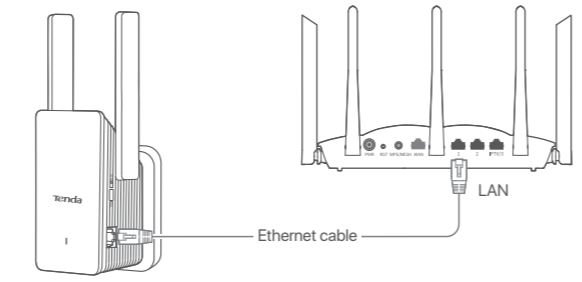
3 **WPS button**

4 **Ethernet port**
Used to connect to such devices as computers, game machines and switches.

ⅣV Connect Clients to the Internet

Set the extender to AP mode. This method is applicable for where the Ethernet cable has been deployed.

Wi-Fi Name: Wi-Fi name you set, router's Wi-Fi name or router's Wi-Fi name_EXT

Wi-Fi Password: Wi-Fi password you set or same as the router

Wireless clients (such as a smartphone)

Ethernet cable

Computer (Wireless extension only)

Ⅴ Wired Extension (AP Mode)

Through Tenda WiFi App

❶ Connect the Ethernet port of the extender to the LAN port of the router using an Ethernet cable.

LAN

Ethernet cable

❷ Repeat the steps ❶ - ❷ of the **Method 1: Through Tenda WiFi App** in the **Set Up the Extender** module.

❸ The App will automatically discover the extender, follow the onscreen instructions to set the extender to extend the network by wired method.

< Wireless Extension | Working Mode

2.4 GHz Wi-Fi Network ⟳ | Manual

Working Mode

Wired Extension
Expand Wi-Fi coverage by connecting to the upstream device with an Ethernet cable

Cancel

Through Web UI (Example: Smartphone)

❶ Connect the Ethernet port of the extender to the LAN port of the router using an Ethernet cable.
❷ Connect the smartphone to the Wi-Fi network of the extender: **Tenda_EXT**.
❸ The web UI of the extender will be displayed automatically, follow the onscreen instructions to set the extender to work in **AP Mode**.

☼ **Tips**
If the above page does not appear, start a web browser, and access **re.tenda.cn** in the address bar to log in to the web UI. If you are configuring through the smartphone, disable your mobile data traffic and try to log in.

FAQ

Q1. I cannot log in to the web UI of the extender. What should I do?
A1. First, try the following solutions:
    If the problem persists, try the following solutions:
    – Visit http://**re.tenda.cn** or **http://192.168.0.254** in your browser.
    – If you are using a wireless client, such as a smartphone, ensure that the **Mobile Data** (if any) function is disabled.
    If the problem persists, try the following solutions:
    Before extension:
    – If you are using a wireless client, such as a smartphone, ensure that your smartphone has connected to the Wi-Fi network of the extender: **Tenda_EXT**.
    – If you are using a wired device, such as a computer, ensure that your computer is set to **Obtain an IP address automatically** and **Obtain DNS server address automatically**.
    – Reset the extender by referring to **Q2** in the **FAQ**, and log in again.
    After extension:
    – If you are using a wireless client, such as a smartphone, ensure that your smartphone has connected to the Wi-Fi network of the extender. If the Wi-Fi name of the extender is the same as the upstream router, stand nearby the extender and connect to its Wi-Fi network (the extender should not be too close to the router).
    – If you are using a wired device, such as a computer, ensure that your computer is set to **Obtain an IP address automatically** and **Obtain DNS server address automatically**.

Q2. How to reset the extender?
A2. When the extender completes startup, press the **RESET** button using a needle-like item (such as a pin) for about 1 to 3 seconds. When the indicator blinks red fast, the extender is restored to factory settings.

Q3. I cannot find the extender when I set the extender using Tenda WiFi App for the first time. What should I do?
A3. Try the following solutions:
    – Ensure that mobile clients such as a smartphone is already connected to the extender's Wi-Fi.
    – Ensure that the **Tenda WiFi** App has obtained access to the phone's location information. For iOS system, you can search for **Tenda WiFi** in the **Settings** page of your phone, and enable **Tenda WiFi** local network permissions.
    – If the problem persists, reset the extender by referring to **Q2** in the **FAQ**, and try again later.

Q4. My extender cannot find the Wi-Fi network of my router. What should I do?
A4. Try the following solutions:
    – Ensure that your smartphone is near the extender and can search and connect to the Wi-Fi network of the router.
    – Change the channel of your router, and try again.
    – Change the encryption type of the router to **WPA-PSK** or **WPA2-PSK**, **WPA3-SAE** and try again.

Q5. I cannot find the Wi-Fi name of the extender after extending network successfully (the indicator is solid on). What should I do?
A5. The possible reason is that you did not customize the extender Wi-Fi name when extending the network. In this case, the Wi-Fi name of the extender is the same as the upstream router or _EXT of the upstream router Wi-Fi name after the extension is successful.

Get Support and Services

For technical specifications, user guides, GNU General Public License Notice and more information, please visit the product page or service page on **www.tendacn.com**. Multiple languages are available.
You can see the product name and model on the product label.

https://www.tendacn.com/service/default.html

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 a minimum distance 20cm between the device and 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 device (Extender) 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	**Slovenčina:** Prevádzková frekvencia/maximálny výstupný výkon
Italiano: Frequenza operativa/Potenza di uscita massima	**Ελληνικά:** Συχνότητα Λειτουργίας/Μέγιστη Ισχύος Εξόδου
Français: Fréquence de fonctionnement/Puissance de sortie maximale	**Magyar:** Működési frekvencia/Maximális kimeneti teljesítmény
Español: Frecuencia operativa/Potencia de salida máxima	**Български:** Работна честота/максимална изходна мощност
Deutsch: Betriebsfrequenz/Max. Ausgangsleistung	**Eesti:** Töösagedus/Max väljundvõimsus
Polski: Częstotliwość pracy/Maksymalna moc wyjściowa	**Dansk:** Driftsfrekvens/Maks. Udgangseffekt
Nederlands: Bedrijfsfrequentie/Maximaal uitgangsvermogen	**Suomi:** Toimintataajuus/maksimilähtöteho
Čeština: Provozní frekvence/maximální výstupní výkon	**Hrvatski:** Radna frekvencija/Maksimalna izlazna snaga
Română: Frecvența de funcționare/Puterea maximă de ieșire	**Latviešu:** Operējošās frekvences/Maksimālā jauda
Português: Frequência de Funcionamento/Potência Máxima de Saída	**Lietuvių:** Darbinis dažnis /maksimali išėjimo galia
Svenska: Driftsfrekvens/Max Uteffekt	**Slovenščina:** Delovna frekvenca/Največja izhodna moč
	Türkçe: Çalışma Frekansı/Maks. Çıkış Gücü
	Русский: Рабочая частота/макс. выходная мощность
	عربي: تردد التشغيل / الحد الأقصى لطاقة الإخراج

2412MHz–2472MHz/20dBm
5150MHz–5250MHz(indoor use only) / 23dBm

Restrictions in the 5 GHz Band

	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)	UK

English–Attention: In EU member states, EFTA countries, Northern Ireland and Great Britain, the operation in the frequency range 5150 MHz – 5250 MHz is only permitted indoors.
Deutsch–Achtung: In den EU-Mitgliedstaaten, den EFTA-Ländern, Nordirland und Großbritannien ist der Betrieb im Frequenzbereich 5150 MHz – 5250 MHz 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 5150 MHz – 5250 MHz 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 de 5150 MHz – 5250 MHz 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 5150 MHz – 5250 MHz 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 5150 MHz – 5250 MHz n'est autorisée qu'en intérieur.
Nederlands–Aandacht: In de EU-lidstaten, de EVA-landen, Noord-Ierland en Groot-Brittannië is gebruik in het 5150 MHz – 5250 MHz frequentiebereik alleen binnenshuis toegestaan.
Svenska–Uppmärksamhet: I EU:s medlemsstater, EFTA-länderna, Nordirland och Storbritannien är det endast tillåtet att använda frekvensområdet 5150 MHz – 5250 MHz inomhus.
Dansk–Bemærk: I EU-medlemslandene, EFTA-landene, Nordirland og Storbritannien er drift i frekvensområdet 5150 MHz – 5250 MHz kun tilladt indendørs.
Suomi–Huom: EU-maissa, EFTA-maissa sekä Isossa-Britanniassa ja Pohjois-Irlannissa taajuusalueella 5150 MHz – 5250 MHz on sallittua käyttää ainoastaan sisätiloissa.
Magyar–Figyelem: Az EU-tagállamokban, az EFTA-országokban, Észak-Írországban és Nagy-Britanniában az 5150 MHz – 5250 MHz-es frekvenciatartományban való működtetés csak beltérben engedélyezett.
Polski–Uwaga: W państwach członkowskich UE, krajach Europejskiego Stowarzyszenia Wolnego Handlu (EFTA), Irlandii Północnej i Wielkiej Brytanii praca w zakresie częstotliwości 5150 MHz – 5250 MHz jest dozwolona tylko w pomieszczeniach.
Čeština–Pozor: V členských státech EU, zemích ESVO, Severním Irsku a Velké Británii je provoz ve frekvenčním rozsahu 5150 MHz – 5250 MHz 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 5150 MHz – 5250 MHz επιτρέπεται μόνο σε εσωτερικούς χώρους.
Română–Atenție: În statele membre UE, țările EFTA, Irlanda de Nord și Marea Britanie, operarea în intervalul de frecvență 5150 MHz – 5250 MHz este permisă numai în interior.
Български–Внимание: В страните-членки на ЕС, страните от EACT, Северна Ирландия и Великобритания, работата в честотния диапазон 5150 MHz – 5250 MHz е разрешена само на закрито.
Eesti–Tähelepanu: EL-i liikmesriikides, EFTA riikides, Põhja-Iirimaal ja Suurbritannias on sagedusvahemikus 5150 MHz – 5250 MHz kasutamine lubatud ainult siseruumides.
Slovenščina–Pozor: V državah članicah EU, državah EFTA, Severni Irski in Veliki Britaniji je delovanje v frekvenčnem območju 5150 MHz – 5250 MHz dovoljeno samo v zaprtih prostorih.
Slovenčina–Pozor: V členských štátoch EÚ, krajinách EFTA, Severnom Írsku a Veľkej Británii je prevádzka vo frekvenčnom pásme 5150 MHz – 5250 MHz povolená len v interiéri.
Hrvatski–Pozornost: U državama članicama EU, zemljama EFTA-e, Sjevernoj Irskoj i Velikoj Britaniji, operacija u frekvencijskom rasponu od 5150 MHz – 5250 MHz dopuštena je samo u zatvorenom prostoru.
Latviešu–Uzmanību: ES valstīs, EBTA valstīs, Ziemeļīrijā un Lielbritānijā, operēšana ieklietpšā ir atļauta tikai 5150 MHz – 5250 MHz diapazonā.
Lietuvių–Dėmesio: ES valstybėse narėse, ELPA šalyse, Šiaurės Airijoje ir Didžiojoje Britanijoje 5150 MHz – 5250 MHz dažnių diapazone leidžiama veikti tik patalpose.
Norsk–OBS: I EUs medlemsland, EFTA-land, Nord-Irland og Storbritannia er drift i frekvensområdet 5150 MHz – 5250 MHz kun tillatt innendørs.
Íslenska–Athugið: Í aðildarríkjum ESB, EFTA-löndum, Norður-Írlandi og Bretlandi er rekstur á tíðnisviðinu 5150 MHz – 5250 MHz aðeins leyfður innandyra.

Safety Precautions

Before operating, read the operation instructions and precautions to be taken, and follow them to prevent accidents. The warning and danger items in other documents do not cover all the safety precautions that must be followed. They are only supplementary information, the installation and maintenance personnel need to understand the basic safety precautions to be taken.
- Do not use the device in a place where wireless devices are not enabled.
- Clean only with dry cloth.
- Do not block any ventilation openings, such as newspapers, table-cloth, curtains.
- To avoid electrical shocks, do not insert any object into the ventilation openings.
- Unplug this device during lightning storms or when unused for long periods of time.
- The mains plug is used as the disconnect device, which shall remain readily operable.
- The power socket shall be installed near the device and easily accessible.
- Operating environment: Temperature: 0°C – 40°C (32°F - 104°F); Humidity: (10% - 90%) RH, non-condensing; Storage environment: Temperature: -40°C - 70°C (-40°F - 158°F); Humidity: (5% - 90%) RH, non-condensing.
- If such phenomena as smoke, abnormal sound or smell appear when you use the device, immediately stop using it and disconnect the power supply, and contact the after-sales service personnel.
- Warning: To reduce the risk of electric shock, do not remove cover as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
- Refer all servicing to qualified service personnel.
- Disconnect the power source during servicing.
- Keep the device out of reach of children to prevent them from using it as a toy and causing personal injury.
- Keep the device away from water, fire, high-electric field, high-magnetic field, inflammable and explosive items.
- The device's marking information can be found on its surface.
- For the latest safety precautions, see **Safety and Regulatory Information** on **www.tendacn.com**.

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.
The device is for indoor usage only.
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, 5150–5250MHz, 5725–5850MHz.
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.