Quick Installation Guide

Wi-Fi 6 Range Extender
A23

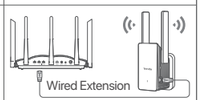
Video and More Info

Scan the QR code or visit **www.tendacn.com** for installation videos, technical specifications, user guides and more information.

You can see the product name and model on the product label.
The label can be found on the back of the device.

I Product Introduction

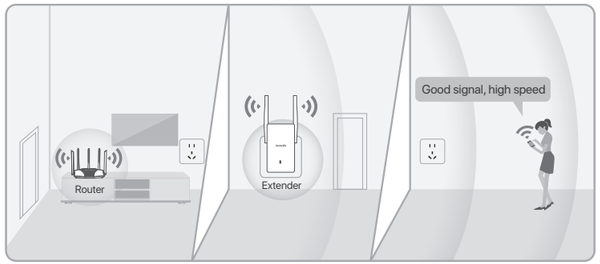
The extender supports both wireless and wired extension. If you have Ethernet cables deployed in your home, it is recommended to use the AP Mode. Otherwise, opt for the Wireless Extension. Choose the extension type as required, and refer to the following section for configuration.

	Wireless Extension	AP Mode
Extension Type	The extender connects to the upstream router via **Wi-Fi** and extends the router's Wi-Fi coverage range.	The extender connects to the upstream router via an **Ethernet cable** and converts the router's wired network to Wi-Fi.
Scenario	Rooms requiring Wi-Fi coverage without Ethernet cables deployed	Rooms requiring Wi-Fi coverage with Ethernet cables deployed
Features	1. For optimal performance, it is recommended to extend a 5G Wi-Fi network. 2. After successful wireless extension, the dead zone will be covered by Wi-Fi, and the Ethernet port can provide wired access for devices like set-top boxes, PCs, and TVs.	After successful wired extension (AP Mode), high-speed and stable Wi-Fi access can be provided for wireless devices like smartphones, tablets, and smart devices.
Wireless Extension		 Wired Extension

II Wireless Extension

1. Select the extender location

Place the extender midway between the router and the Wi-Fi dead zone to ensure stable signal reception and effective area coverage.

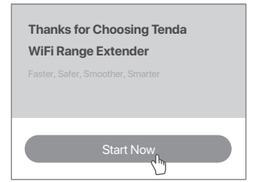


Recommended Installation: Place the extender midway between the router and the Wi-Fi dead zone.

2. Set Up the Extender

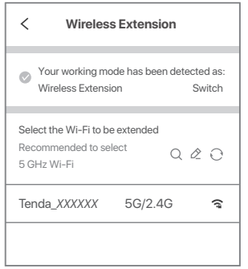
Method 1: Via Smartphone Web Browser (Recommended)

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**.



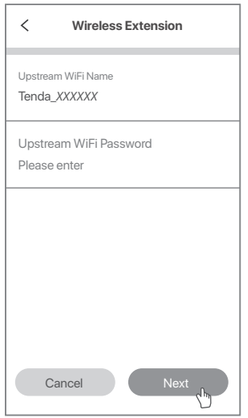
Tips
- If not automatically redirected to the extender's web UI, open a browser and enter **re.tenda.cn** in the address bar (disable mobile data if using a smartphone).
- If your smartphone displays the prompt **The WLAN "Tenda_EXT" is not connected to the Internet**. Select **Use Without Internet**, and continue using this Wi-Fi.
- If **Unsecured Network** prompts on the page, ignore it.

❷ Select the Wi-Fi to be extended, which is the router's Wi-Fi.

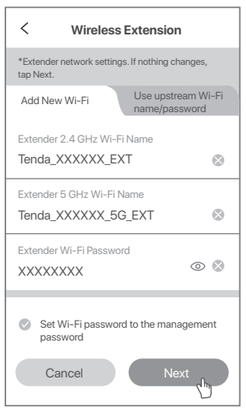


Tips
The extender supports dual-band extension. If the upstream router offers dual-band Wi-Fi, you can select either band to extend (5G Wi-Fi recommended), and the extender will automatically extend the other band with the same Wi-Fi password.

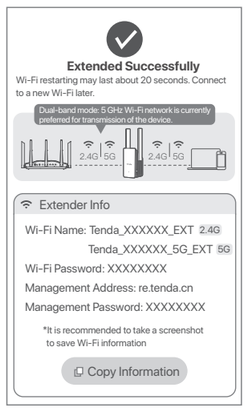
❸ Enter the Wi-Fi password of the router, and tap **Next**.



❹ Set the Wi-Fi name, Wi-Fi password and management password of the extender as required. If nothing changes, tap **Next**.



The extension is completed. Follow the onscreen instructions.



Method 2: Via 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**.

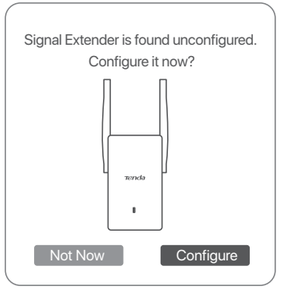
Tips
If already installed the **Tenda WiFi** App, ensure that the App is the latest version.

QR code Or GET IT ON Google Play / Download on the App Store → Tenda WiFi App

❷ Connect the smartphone to the Wi-Fi network of the extender: **Tenda_EXT**.

Tips
- If your smartphone displays the prompt **The WLAN "Tenda_EXT" is not connected to the Internet**. Select **Use Without Internet**, and continue using this Wi-Fi.
- If **Unsecured Network** prompts on the page, ignore it.

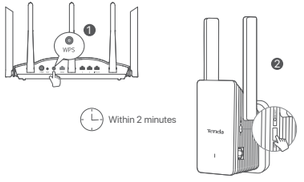
❸ The App will automatically discover the extender, follow the onscreen instructions to set the extender. When the indicator of the extender turns solid on, the extension is successful.



Method 3: Via WPS Button

Tips
- Ensure that the router has a WPS button and uses an encryption method that includes WPA2-PSK.
- The WPS design may differ with different manufacturers. If this method fails, use another method to configure.

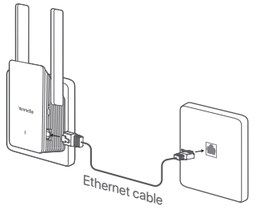
❶ Press the WPS button of the router for about 1 to 3 seconds to enable its WPS function.
❷ Within 2 minutes, press the **WPS** button on the extender for about 1 to 3 seconds, and its indicator blinks green fast.
When the indicator lights solid on, the setup is successful. The extender's Wi-Fi name is "Upstream router Wi-Fi name _EXT (or 5G_EXT)," and the Wi-Fi password is the same as the upstream router.



III AP Mode

❶ Ensure that the Ethernet cable has been deployed in the place that needs Wi-Fi.coverage and can access the internet normally. Connect the Ethernet cable to the Ethernet port of the extender, and plug the extender into the power socket. The indicator changes from blinks green to solid on to indicate successful extension.

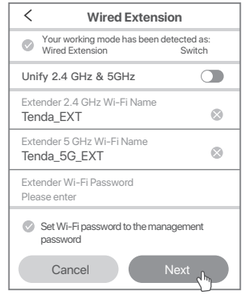
Tips
If the deployed Ethernet cable is for wiring in the wall, prepare the Ethernet cable by yourself.



❷ 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**.

Tips
- If not automatically redirected to the extender's web UI, open a browser and enter **re.tenda.cn** in the address bar (disable mobile data if using a smartphone).
- If your smartphone displays the prompt **The WLAN "Tenda_EXT" is not connected to the Internet.** Select **Use Without Internet**, and continue using this Wi-Fi.
- If **Unsecured Network** prompts on the page, ignore it.

❸ Set the Wi-Fi name, Wi-Fi password and management password of the extender as required, and tap **Next**.

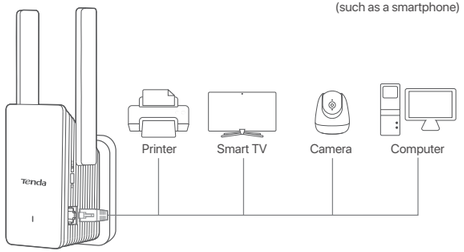


V Connect Clients to the Internet

Wi-Fi Name: Wi-Fi name you set, Tenda_EXT (Or 5G_EXT), router's Wi-Fi name_EXT (Or 5G_EXT), or the same as the router

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

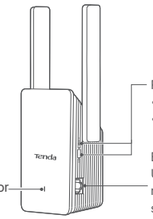
Wireless clients (such as a smartphone)



Wired clients

(Only wireless extension mode can be connected, if using wired extension mode, connect with **Wi-Fi**)

Appearance



LED indicator

Reset button and WPS button
- Press 1-3s for WPS
- Press 8s for reset

Ethernet port
Used to connect to such devices as routers, computers, game consoles, TV, set-top boxes, printers, and so on.

Scenario	Status	Description
Network extension	Solid on	Extension success – Green: Proper position. – Yellow: Fair position. Move the extender closer to the router. – Red: Too far from the router.
	Blinking green fast	WPS extension
	Blinking red slowly	Failed to extend (Check whether the Wi-Fi name/password of the upstream router is correct or place the extender close to the router)
Start up	Solid green for 45 seconds	Power on and starting up
	Blinking green slowly	Startup complete
Internet connection	Blinking yellow slowly	Failed to connect to the internet (Check whether the upstream router can access the internet normally)
Reset	Blinking yellow fast	Restoring the extender to factory settings

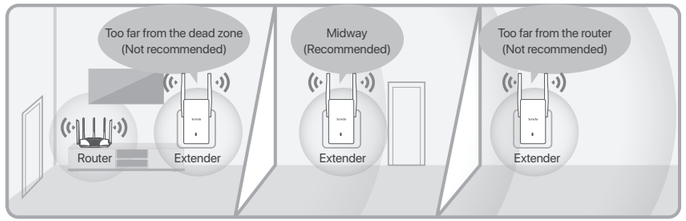
FAQ

Q1. The internet speed poor when connected to the extender's Wi-Fi. What should I do?

A1.

– The extender may be improperly positioned.
- If placed too far from the dead zone, the extender's Wi-Fi cannot cover the area, leaving no signal in the dead zone.
- If placed too far from the router, the extender cannot receive a stable Wi-Fi signal to extend.

– Reposition the extender midway between the router and the dead zone for optimal performance.



Q2. I cannot log in to the web UI of the extender. What should I do?

A2. First, try the following solutions:

– Visit **http://re.tenda.cn** 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 **Q6** 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, or temporarily power off 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**.

Q3. My extender cannot find the Wi-Fi network of my router. What should I do?

A3. Try the following solutions:

– Ensure that your smartphone is near the extender and can search and connect to the Wi-Fi 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**, and try again.

Q4. I cannot find the Wi-Fi name of the extender after extending network successfully (the indicator is solid on). What should I do?

A4. 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** (Or **5G_EXT**) of the upstream router Wi-Fi name after the extension is successful.

Q5. After the wireless extension is successful (the indicator is solid on), the network speed through the extender is slower than when directly connected to the router. What should I do?

A5. The network speed may decrease during wireless extension due to upstream signal attenuation, but this is a normal phenomenon that does not affect normal use. To maximize the extension effect, ensure that the extender indicator is solid green, and reduce the obstacles between the extender and the router.

Q6. How to reset the extender?

A6. When the extender completes startup, hold down the **RESET** button using a needle-like item (such as a pin) for about 3 seconds. When the indicator blinks yellow fast, the extender is restored to factory settings.

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.

– 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 its 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 this device out of reach of children to prevent children from using it as a toy and causing personal injury.

– Keep the device away from water, fire, high electric field, high magnetic field, and inflammable and explosive items.

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

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
Italiano: Frequenza operativa/Potenza di uscita massima
Français: Fréquence de fonctionnement/Puissance de sortie maximale
Español: Frecuencia operativa/Potencia de salida máxima
Deutsch: Betriebsfrequenz/Max. Ausgangsleistung
Polski: Częstotliwość pracy/Maksymalna moc wyjściowa
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

Slovenčina: Prevádzková frekvencia/maximálny výstupný výkon
Ελληνικά: Συχνότητα λειτουργίας/Μέγιστη ισχύς Εξόδου
Magyar: Működési frekvencia/Maximális kimeneti teljesítmény
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
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-Mitgliedsstaaten, 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 operativa 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 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 és 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 ЕАСТ, Северна Ирландия и Великобритания, работата в честотния диапазон 5150 MHz - 5250 MHz е разрешена само на закрито.
Eesti-Tähelepanu: EL-o 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, rad u frekvencijskom rasponu od 5150 MHz - 5250 MHz dopušten je samo u zatvorenom prostoru.
Latviešu-Uzmanību: ES valstīs, EBTA valstīs, Ziemeļīrijā un Lielbritānijā, operēšana iekštelpās 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.
Íslensku-Athugið: Í aðildarríkjum ESB, EFTA-löndum, Norður-Írlandi og Bretlandi er rekstur á tíðnisviðinu 5150 MHz - 5250 MHz aðeins leyfður innandyra.

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.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
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.
Operating frequency: 2412-2462MHz, 5150-5250MHz, 5725-5850MHz
The device is for indoor usage only.
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.

NOM

LA OPERACIÓN DE ESTE DISPOSITIVO ESTA SUJETA A LAS SIGUIENTES CONDICIONES:
a) Es posible que este equipo o dispositivo no cause interferencia perjudicial.
b) Este equipo o dispositivo debe aceptar cualquier tipo de interferencia, incluyendo la que pueda causar su operación no deseada.
Estimado usuario: Antes de utilizar este producto lo invitamos a leer el siguiente manual para que conozca todas sus funciones y características.

Producto	NOMBRE DEL PRODUCTO: Extensor de Alcance Wi-Fi 6 MODELO: A23
Alimentador de Energía: Alimentación: 100V ~ 240V ca 50Hz/60Hz, 0.4A Salida: 12V cc 1A	NOM
PAIS DE ORIGEN: CHINA	

IC

CAN ICES-3 (B) / NMB-3 (B)
Canadian Compliance Statement
This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard (s).
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
Le onjunc areil est conforme aux CNR d' l'innovation, la science et le développement économique Canada licables aux areils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'areil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, onj si le brouillage est susceptible d'en compromettre le fonctionnement.
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Tous les changements ou modifications non expressément approuvée par le responsible de la conformité pourrait vider l'utilisateur est habilité à exploiter l'équipemen.
ISEDC Radiation Exposure Statement:
The equipment complies with ISEDC RF radiation exposure limits set forth for an uncontrolled environment.
Cet appareil est conforme aux limites d'exposition de rayonnement RF ISEDC établiespour un environnement non contrôlé.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.
Cet émetteur ne doit pas être co-implanté oufonctionner en onjunction avec toute autreantenne ou transmetteur. La distance entre le radiateur et le corps doit être d'au moins 20 cm lors de l'installation et du fonctionnement de l'appareil.
The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.
le dispositif utilisé dans la bande 5150–5250 MHz est réservé à une utilisation en intérieur afin de réduire le risque de brouillage préjudiciable aux systèmes mobiles par satellite dans le même.

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.

Technical Support
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V1.0 Keep for future reference