netis Wireless N Ceiling-Mounted Access Point

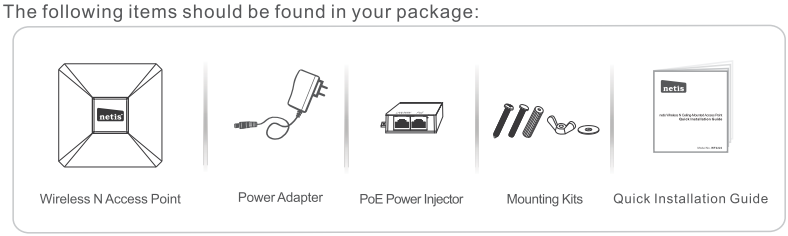
Quick Installation Guide

Model No. **WF2222**

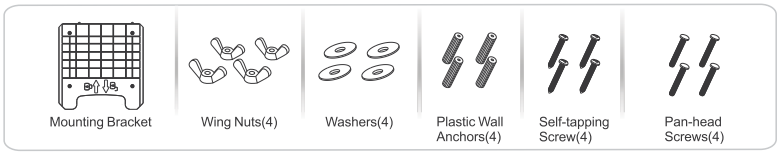
CONTENTS

1.Package Contents

The following items should be found in your package:

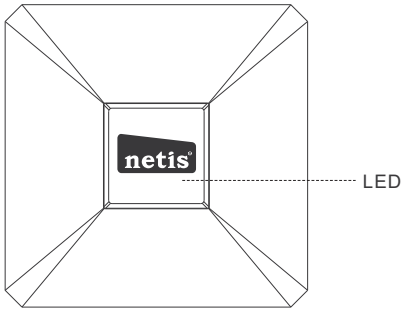


*The Mounting Kits should including a Mounting Bracket, Wing Nuts, Washers, Plastic Wall Anchors, Self-tapping Screw and Pan-head Screws.



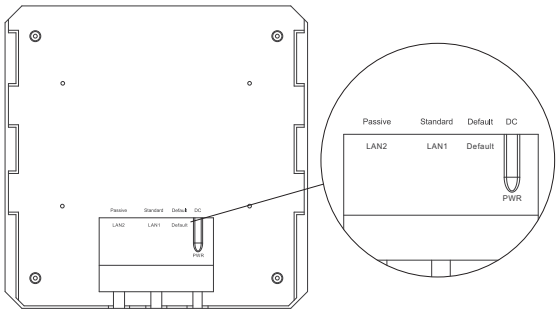
2. Hardware Information

2.1 Front Panel



LED Status	Indication
Solid Blue	Connected to a local area network.
Solid Orange	Not connected to a local area network.
Flashing	LED locator function is enabled.
Off	The device is powered off.

2.2 Rear Panel



Interface/Button	Description
LAN1	The LAN1 port is used to connect to a router to transmit data or to a PSE (Power Sourcing Equipment), such as a PoE Switch, for both data transmission and Power over Ethernet through Ethernet cable.
LAN2	The LAN2 port is used to connect to a router to transmit data or to the provided **PoE Power Injector**, for both data transmission and Power over Ethernet through Ethernet cable.
Default	The Default button is used to restore the device's factory default settings.
PWR	The PWR port is used to connect to the provided **Power Adapter**.

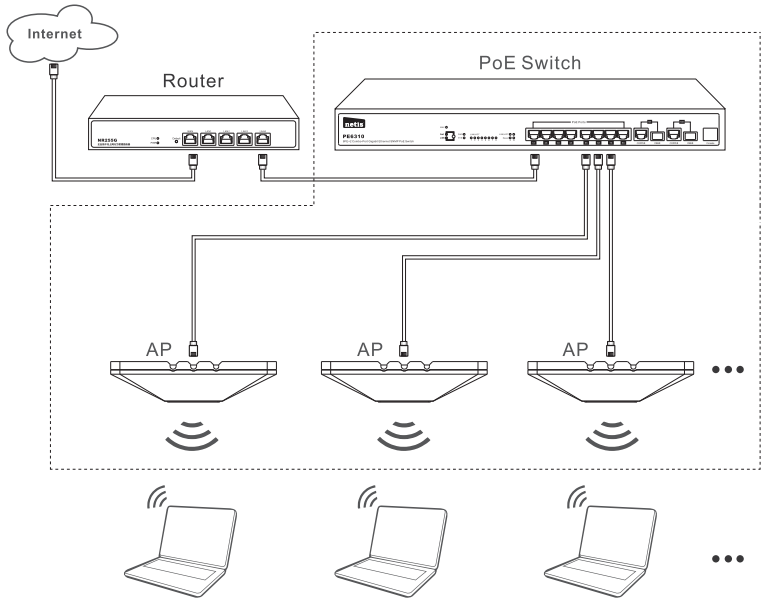
3.Hardware Connection

The netis Access Point supports three modes to be powered according different applications: via three modes: via PSE Device, via PoE Power Injector, via Power Adapter.

Please check the correct application according to your network environment, and follow the corresponding steps for the selected application.

A. Via PSE Device

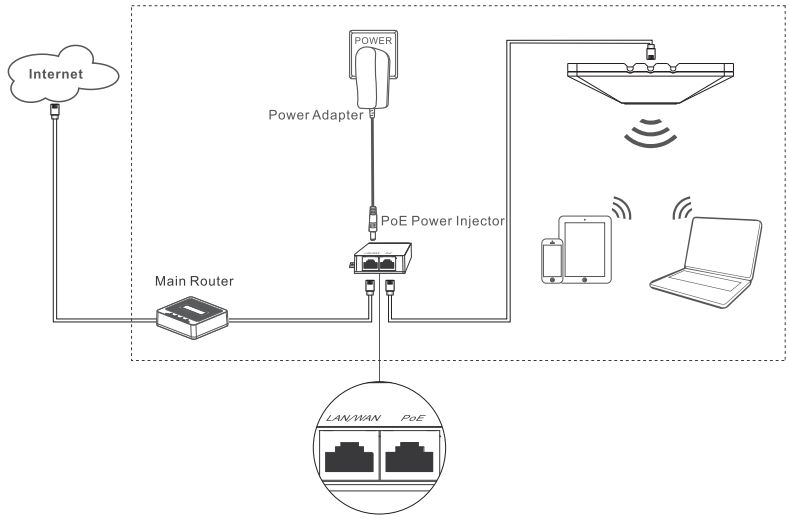
Typical Application and hardware connection as follows:



1) Connect the **LAN1** port of netis Access Point to your PSE device（PoE Switch）with an Ethernet cable.
2) Then go to "**4. Network Configuration**", to configure WF2222.

B. Via PoE Power Injector

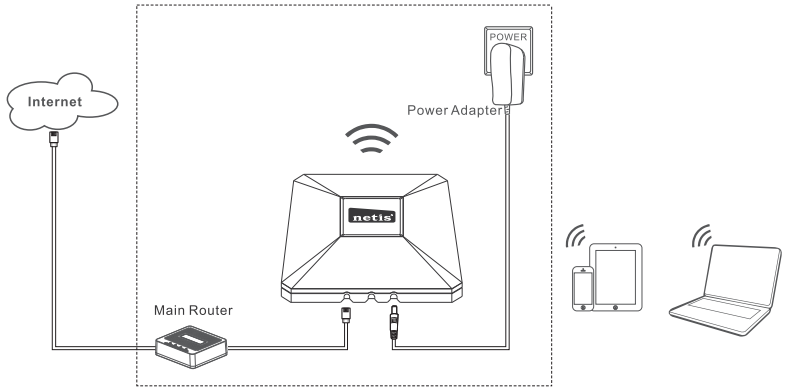
Typical Application and hardware connection as follows:



1) Connect your main router to the **LAN/WAN** port on the PoE Power Injector with an Ethernet Cable.
2) Connect the **LAN2** port of netis Access Point to the **PoE** port on the PoE Power Injector with an Ethernet Cable.
3) Plug the Provided Power Adapter into the **DC-IN** jack on the PoE Power Injector and the other end to a stand electrical wall socket.
4) Then go to "**4. Network Configuration**", to configure WF2222.

C. Via Power Adapter

Typical Application and hardware connection as follows:



1) Connect your computer or main router to the **LAN1** port or **LAN2** port of netis Access Point.
2) Plug the Provided Power Adapter into the **PWR** port of netis Access Point and the other end to a stand electrical wall socket.
3) Then go to "**4. Network Configuration**", to configure WF2222.

4. Network Configuration

The netis Access Point supports multiple modes including AP, Multi-SSID (VLAN), Repeater, WDS and Client. In default, netis Access Point works in AP mode, it can be used to create one or more wireless networks from an Ethernet connection. It is suitable for the room where there's already a wired router but you need additional wireless hotspots.

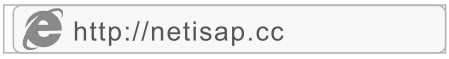
Here we provide the step-by step configuration process of AP mode.

Step 1: Power on all the devices.
Step 2: Search and connect to the netis Access Point's network "**netis_XXXXXX**" on your wireless computers or mobile devices. The **XXXXXX** is the last 6 digits of the Access Point's MAC address. The default wireless password is "**password**".

If your main router is already connected to the Internet, you'll be online through your wireless computers or mobile devices now!

If you want to change the default wireless network name and password for netis Access Point or set up more wireless networks (**Multi-SSID** mode), please go on with the steps.

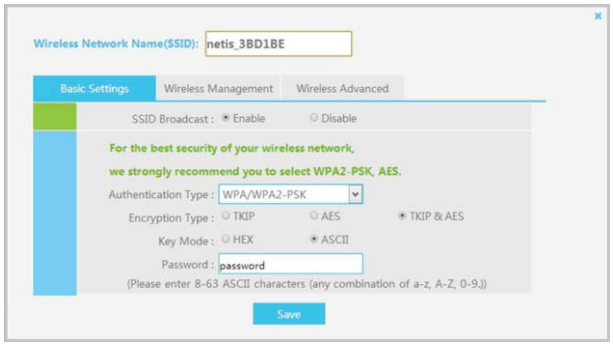
Step 3: Open your browser on your wireless computer and type "**http://netisap.cc**" in the address field to visit netis Access Point's web management page.



Step 4: In this **Quick Setup** page, you will see the blue section for the default wireless network "**netis_XXXXXX**".

Situation A

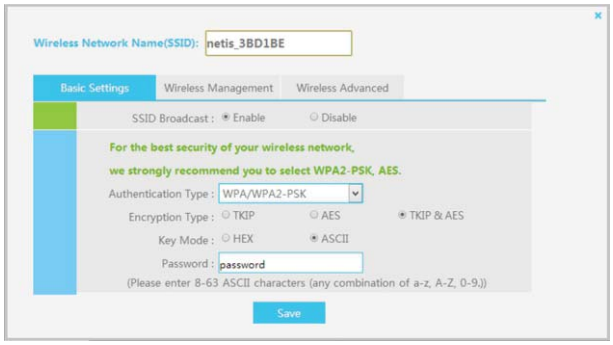
You may click the icon to change the settings for "**netis_XXXXXX**", including the wireless network name (SSID) and password. Click **Save** button to make your settings take effect.



Note: Now you're wirelessly connected to the netis Access Point's network with default wireless name and password. Once the new settings take effect, you'd better search for the new one and connect to it with the new password.

Situation B

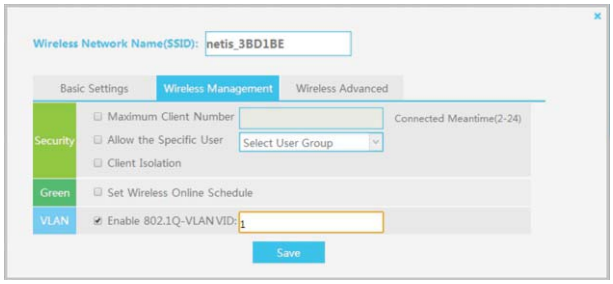
To create more wireless networks, you can click on the "**AP**" tab on the left and set the wireless network name (SSID) and password.



Click **Save** button to make your settings take effect. Then you will see the settings updated in the **Quick Setup** page. There're two blue sections for two wireless networks broadcasted by netis Access Point.

Note: The netis Access Point supports up to 3 different AP networks in one time. You may click the icon for each network to change the settings for the corresponding section.

When using Multi-SSID, you can assign different VLAN ID to different wireless network, to make netis Access Point works with switch which as VLAN assigned for different access level and authority.

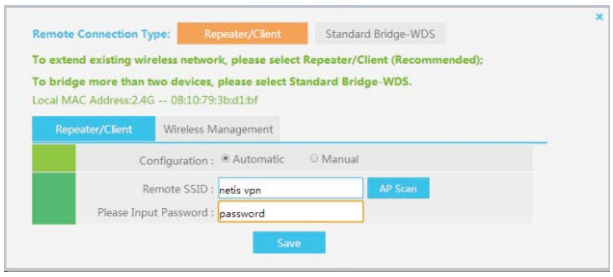


Step 5: Now you can connect your wireless devices to the modified wireless network or new AP networks for Internet Access wirelessly.

Remark:
The netis Access Point also supports Repeater, Client, WDS modes to bridge or repeat signal from the existing wireless network, providing various wireless solutions.

You can click on the "**Extender**" tab 

in quick setup page. Select the mode which you need and configure it.



(For the detail configuration, please refer to "Support" -> "FAQ" on our official website-http://www.netis-systems.com)

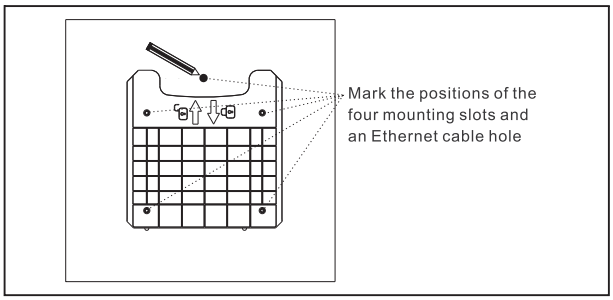
5.Hardware Installation

The netis Access Point can be ceiling mounted or wall mounted according to your setup, we particularly recommend the ceiling mounted.

A. Ceiling Mounting

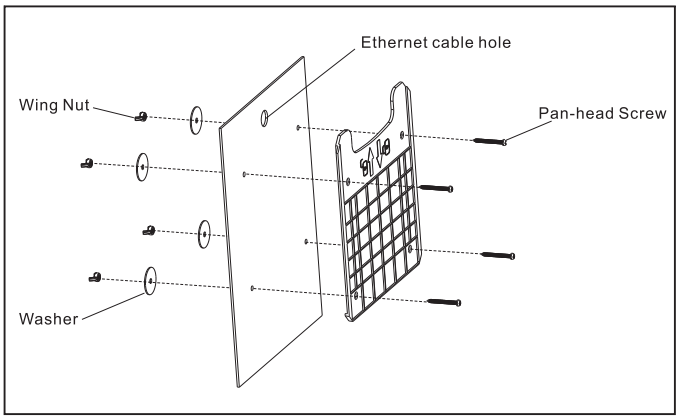
⚠ Note:
* Make sure the thickness of the ceiling must be over 17mm and the beaver gravity of ceiling must be over five kilograms.
* If your ceiling do not meet the requirement as above, please add a plate which with better strength on back of the ceiling.

Step 1: Remove the selected ceiling and place the mounting bracket on the suitable location of the ceiling, please note that the smooth-surface of mounting bracket should face to the ceiling tile, then mark the positions of the four mounting slots, and a hole which is 5cm in front of the U-shaped notch for the Ethernet cable to feed through.

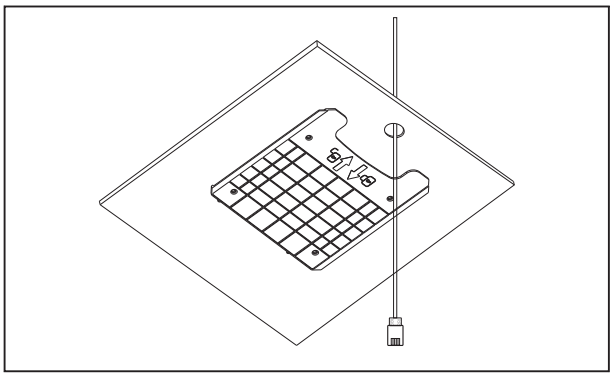


Step 2: According to the positions that marked, drill four screw holes and one for Ethernet cable.

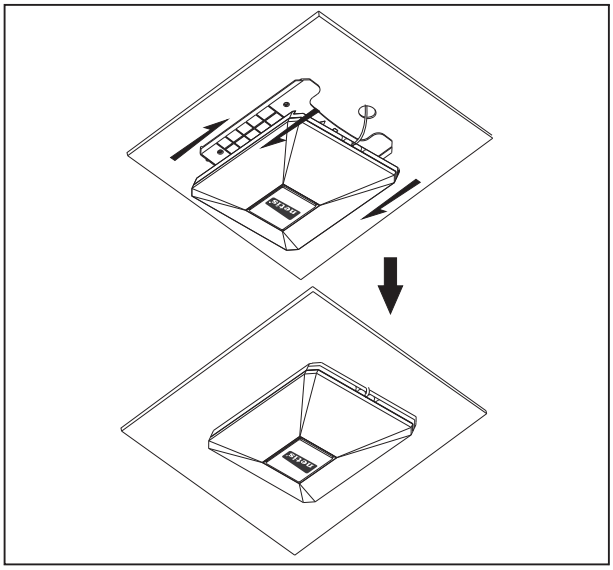
Step 3: Attach the mounting bracket to the ceiling by using the provided mounting kits.



Step 4: Feed the Ethernet cable through the hole, and connect the Ethernet cable to the Ethernet port of netis Access Point.



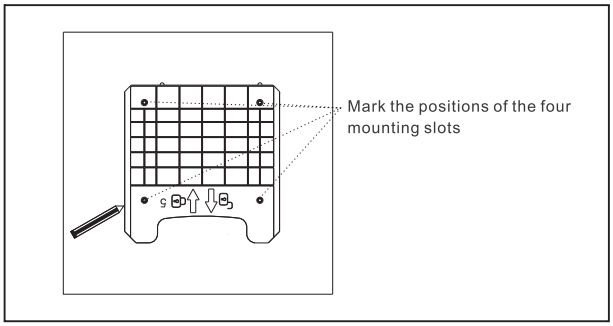
Step 5: Set the ceiling tile back into place, then fix netis Access Point to the mounting bracket by aligning arrows as shown below.



B. Wall Mounting

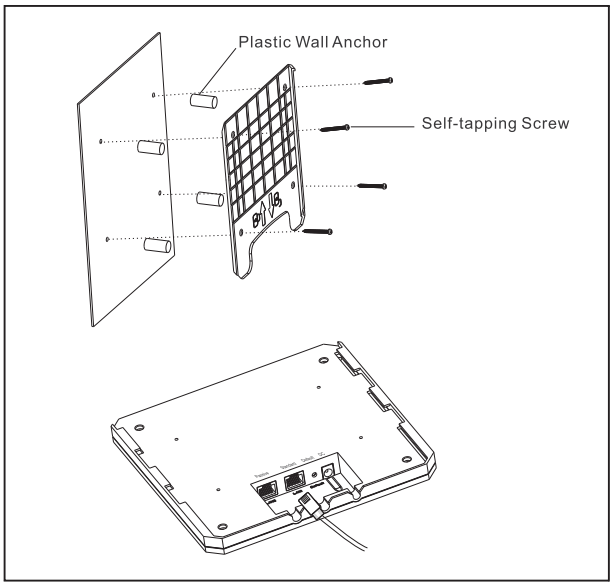
To mount netis Access Point on a wall, please follow the steps below.

Step 1: Place the mounting bracket on the wall and mark the positions of the four mounting slots, then drill four holes on the wall. Please note that the U-shaped notch must be consistent with the actual direction of the network.

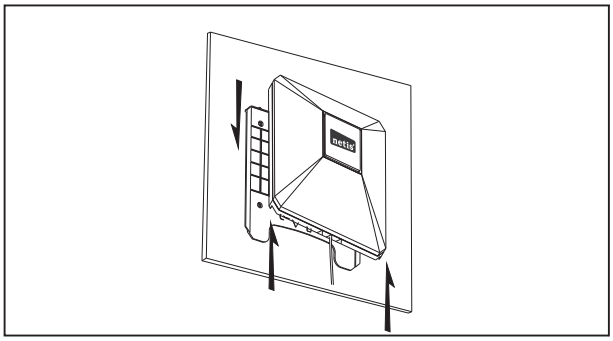


Step 2: Attach the mounting bracket to the wall by using the provide mounting kits.

Step 3: Connect the Ethernet cable to the Ethernet port of netis Access Point.



Step 4: Fix netis Access Point to the mounting bracket by aligning arrows as shown below.



Tip 1:
Default Login Address: **http://netisap.cc**
Default Wireless SSID: **netis_XXXXXX**
Default Wireless Password: **password**
(**XXXXXX**: Last 6 digits of MAC Address, you may find it from the bottom label of the device.)

Tip 2:
You can click on "**Advanced**" button 

on the left for the further settings

Troubleshooting

Q How do I restore my netis Access Point's configuration to its default settings?

A With the Access Point powered on, use a pin to press and hold the **Default** button for 8 to 10 seconds before releasing it. The Access Point will reboot and all configurations are back to factory default.

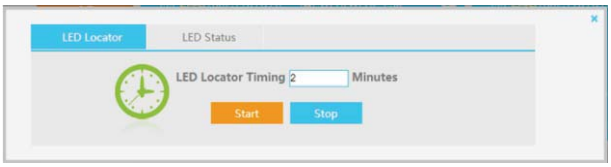
Q What can I do if I cannot access my Access Point's web management page?

A 1) Check the hardware connection according to your **Hardware Connection** and make sure that your computer is connected to netis Access Point successfully.
2) If your Access Point is already connected to the main router, please check your computer is set to obtain IP address automatically.
3) If you Access Point isn't connected to the main router, please try to set a static IP (such as 192.168.1.110) for the wired/wireless adapter of your computer. Please refer to "**Appendix B: Set Static IP for Computer**".
4) If there's no change, please reset the device by **Default** button and try all the settings from the begging.

Appendix A: LED Locator

Once more than one access point is installed in different rooms of the house, so you can find the device position through LED locator function quickly. Please configure as follows.

1) Open your browser on your wireless computer and type "**http://netisap.cc**" in the address field to visit netis Access Point's web management page.
2) In quick setup page, click on the "**LED**" tab on the left.
3) Set the LED Locator Timing, and click on the "**Start**", then the LED in the front panel of netis Access Point starts flashing.



Now you can find out the device from where it's installed in the house for a specified time.

Appendix B: Set Static IP for Computer

Please make sure that your computer is connected to netis Access Point with an Ethernet cable (or wirelessly).
Then you may manually set the IP address of the wired (or wireless) network adapter on your computer as below.

IP Address/ IPv4 Address: 192.168.1.x (1<x<254)
Subnet Mask: 255.255.255.0
Default Gateway/ Router: 192.168.1.254
Primary DNS: 192.168.1.254 or 8.8.8.8
Secondary DNS: Null

For Window 8/7/Vista
1) Go to "**Setting**" (Win 8)/"**Start**" (Win 7/Vista)>"**Control Panel**".
2) Left-click on "**Network and Internet**">"**Network and Sharing Center**">"**Change adapter settings**" (Win 8/7)/ "**Manage network connections**" (Win Vista).
3) Right-click on "**Local Area Connection**" (wired adapter)/ "**Wireless network Connection**" (wireless adapter) and left-click on "**Properties**".
4) Double-clicked on "**Internet Protocol Version 4 (TCP/IPv4)**".
5) Select "**Use the following IP address**" and enter the address manually in corresponding field, then click **OK**.

For Window XP/2000
1) Go to "**Start**">"**Control Panel**".
2) Left-click on "**Network and Internet Connections**">"**Network Connections**".
3) Right-click on "**Local Area Connection**" (wired adapter)/ "**Wireless network Connection**" (wireless adapter) and left-click on "**Properties**".
4) Double-clicked on "**Internet Protocol (TCP/IP)**".
5) Select "**Use the following IP address**" and enter the address manually in corresponding field, then click **OK**.

For MAC OS
1) Click on the "**Apple**" menu> "**System Preferences**".
2) Click on "**Network**" icon.
3) Click on "**Ethernet**" (wired adapter)/ "**Airport**" (wireless adapter) in the left side box and click on "**Advanced**" in the lower right corner.
4) In the top options, select "**TCP/IP**".
5) In the pull-down menu next to "**Configure Ipv4**", select "**Manually**" and enter the address manually in corresponding field, then click Apply.

Appendix C: 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.

FCC 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 device is restricted to indoor use only.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons.
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.

Caution!

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

Technical Support:

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