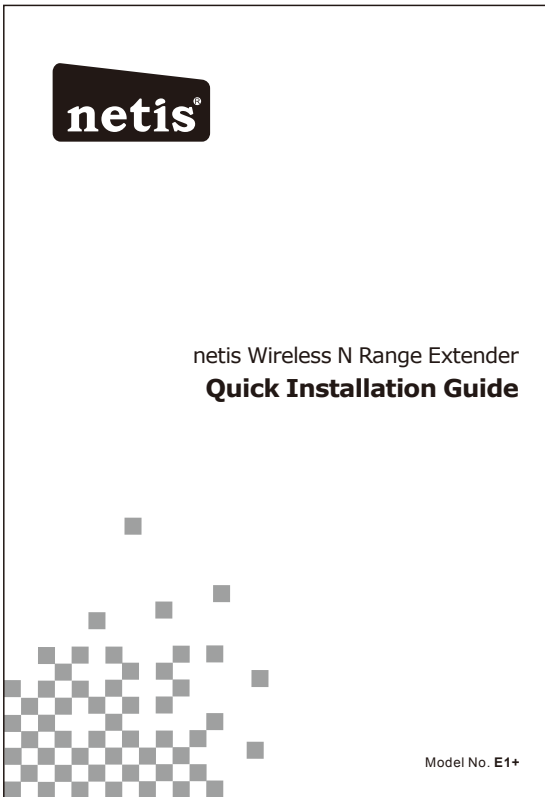




1. Package Contents



E+*



Ethernet Cable



Quick Installation Guide

2. Hardware Information



LED
Button



LAN/WAN Port

2.1 LED

LED Status	Indication	
	Range Extender mode	Travel Router mode
Solid Blue	The connection between E+* and main router is stable.	Normal signal
Solid Orange	The connection between E+* and main router is unstable. Please check the main router status and put E+* closer to it.	Enhanced signal
Flashing Blue/Orange	E+* is not connected to the front device (Main router, xDSL/Cable Fiber modem).	
Purple	The device is initializing.	

2.2 Button and Port

Item	Description	
	Range Extender mode	Travel Router mode
WPS Button	Quick extender setup: Press button for 1~2 seconds to activate the WPS function. Factory default setting: Press and hold the WPS button for about 5 seconds until the LED is flashing.	Signal strength switch: Press the button for 1~2 seconds, the signal strength can be switched between normal signal and enhanced signal.
LAN/WAN Port	Connect to a wired device like desktop, set-top box, printer, for network sharing.	Connect to an xDSL/Cable/Fiber modem or a plain Ethernet port for Internet Access.

Note: Different power plug is provided for different region. Here we just take US version for example.

1

3. Typical Applications and Installation

Application 1: Range Extender (Default mode)

The E1+ can be used to repeat signal from the existing wireless network. It is suitable to extend wireless coverage for the places where the existing wireless network signal is too weak to maintain a stable wireless connection.

The diagram illustrates the Range Extender application. An Internet source connects to a Main Router. The Main Router is connected to a Desktop and a Smartphone. A Range Extender (E1+) is connected to the Main Router via a power line and also receives a wireless signal from the Main Router. The Range Extender is then connected wirelessly to a Tablet and a Laptop.

Application 2: Travel Router

The E1+ can be used to receive Internet access from an Internet Service Provider (ISP) and share that access with local devices wirelessly.

The diagram illustrates the Travel Router application. An Internet Modem is connected to a Range Extender (E1+) via a power line. The Internet Modem is also connected to a smartphone. The Range Extender (E1+) is then connected wirelessly to two Laptops.

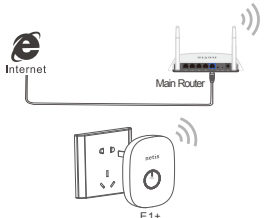
netis Wireless N Range Extender Quick Installation Guide

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

Installation for Application 1: Range Extender Mode

You can setup E1+ in two ways: pressing WPS Button or via Web Management Page.

3.1.1 Hardware Connection



1) Please make sure that your main router can connect to the Internet successfully.

2) Plug E1+ to a standard electrical socket.

Note: Please place the E1+ closely to your main router when you setup extender. Also after you are successfully connected, you can move your E1+ to other areas.

3.1.2 Configuration

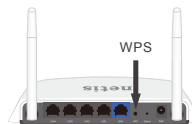
Method A: Range Extender setup via WPS Button (Particularly recommended)

Note: Please make sure the main router is with WPS Button, and the function is enabled. If you cannot find WPS function, please turn to **Method B: Extender setup via Web Management Page**.

3

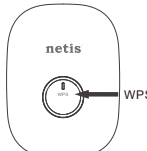
netis Wireless N Range Extender Quick Installation Guide

Step 1. Press the WPS Button on your main router.



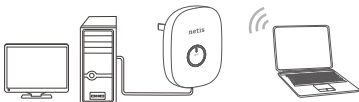
The diagram shows a top-down view of a white router with two antennas. The WPS button is located on the front panel, highlighted with a red circle and a red arrow pointing to it. The label 'WPS' is placed above the button.

Step 2. Press WPS Button on E1+ for 1~2 seconds.



The diagram shows the netis E1+ range extender, a white oval-shaped device. The WPS button is located on the front, highlighted with a red circle and a red arrow pointing to it. The label 'netis' is at the top, and 'E1+' is at the bottom. The label 'WPS' is placed to the right of the button.

Step 3. You are successfully connected!



The diagram illustrates the setup. A desktop computer (monitor and tower) is connected to the netis E1+ range extender via an Ethernet cable. The extender is also connected to a laptop via a wireless signal, indicated by three curved lines between them.

Note: Once the setting is finished, the extended Wi-Fi will use the same network name and password as your main router, then the wireless devices can be connected to the Internet.
Also, you can connect a wired device like desktop, set-top box, printer to E1+ with an Ethernet cable for network sharing.

Method B: Range Extender setup via Web Management Page

Step 1. Search and connect to the E1+ network "netis" with your computer or mobile terminal device.



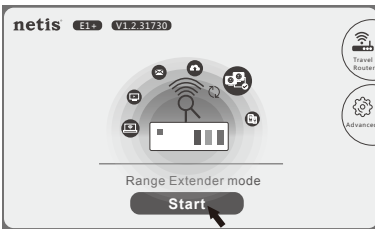
(Take Windows 8 as an example)

Step 2. Open your browser and type "<http://netisetx.cc>" in the address field to visit E1+'s web management page.



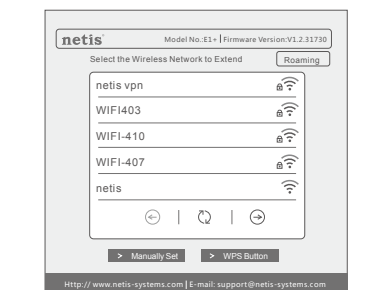
Note: If the login page cannot pop up, please check your computer is set to obtain IP address automatically.

Step 3. Click on "Start" button



5

Step 4. Select your network of the main router (For example: netis vpn).



netis Model No. E14+ | Firmware Version: V1.2.31710

Select the Wireless Network to Extend Routing

netis vpn 

WIFI403 

WIFI410 

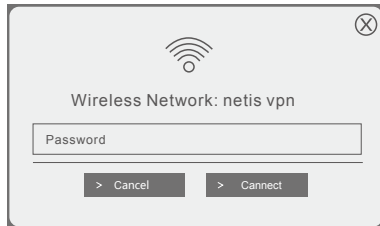
WIFI407 

netis 

> Manually Set > WPS Button

<http://www.netis-systems.com> | E-mail: support@netis-systems.com

Step 5. Type in wireless password of the main router and click "Connect" to setup your Wi-Fi Extender network.



 X

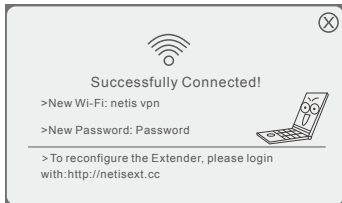
Wireless Network: netis vpn

Password

> Cancel > Connect

netis Wireless N Range Extender Quick Installation Guide

Step 6. You are successfully connected!



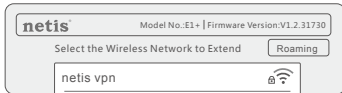
Successfully Connected!

>New Wi-Fi: netis vpn

>New Password: Password

To reconfigure the Extender, please login with: <http://netisext.cc>

Note: In default, E1+ works under **Roaming mode**, so the extended Wi-Fi will use the same network name and password as your main router. If you want to set different network name and password, please click on **"Roaming"** to turn off the **Roaming mode**. And then you can set the customized name and password for the extended Wi-Fi.



Model No. E1+ | Firmware Version: V1.2 31730

Select the Wireless Network to Extend Roaming

netis vpn Wi-Fi

Roaming: On Off

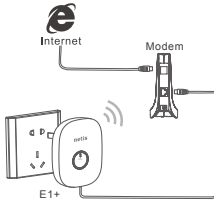
Wi-Fi:

Password:

> Cancel > OK

Installation for Application 2: Travel Router Mode

3.2.1 Hardware Connection



1) Connect the LAN/WAN port of E1+ to an xDSL/Cable/Fiber modem or uplink Ethernet port with an Ethernet cable.

2) Plug E1+ to a standard electrical socket.

3.2.2 Configuration

Step 1. Search and connect to the E1+ network "netis" with your computer or mobile terminal device.



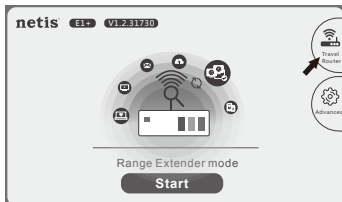
(Take Windows 8 as an example)

Step 2. Open your browser and type "<http://netisext.cc>" in the address field to visit E1+'s web management page.



Note: If the login page cannot pop up, please check your computer is set to obtain IP address automatically.

Step 3. Click on the "Travel Router" icon in the upper-right corner.

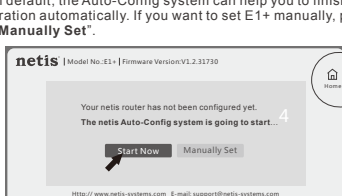


Step 4. Click on "Start" button.



Step 5. Select "Start Now".

Note: In default, the Auto-Config system can help you to finish the configuration automatically. If you want to set E1+ manually, please select "Manually Set".



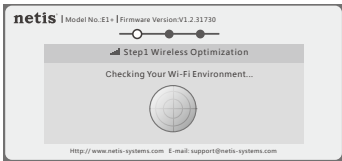
Model No. E1+ [Firmware Version/V1.2.31370]

Your netis router has not been configured yet.
The Netis Auto-Config system is going to start.

Start Now **Manually Set**

<http://www.netis-systems.com> E-mail: support@netis-systems.com

1) Wireless Optimization
Note: The system will automatically finish this step.



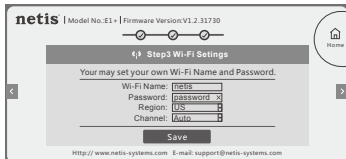
2) Network Connection
The system will automatically detect your Internet Connection Type then please manually fill in the needed network parameters from your ISP (Internet Service Provider).
If the Internet Connection Type isn't detected successfully or shows wrong, please manually select the type and fill in the needed network parameters from your ISP.



Note: The E1+ supports the following three Internet Connection Types.

- **DHCP:** The E1+ will automatically receive the IP parameters from your ISP.
- **Static IP:** Please enter the IP Address/Subnet Mask/Default Gateway/DNS Servers given by your ISP.
- **PPPoE:** Please enter the Username and Password given by your ISP.

3) Wi-Fi Settings
Please input your Wi-Fi Name and Password, then click **"Save"**.



netis | Model No. E1+ | Firmware Version V1.2.32730

Step 3 Wi-Fi Settings

You may set your own Wi-Fi Name and Password.

Wi-Fi Name: netis

Password: 12345678

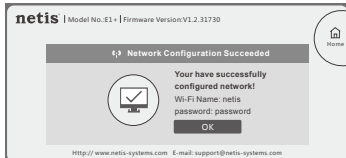
Region: Malaysia

Channel: Auto

Save

<http://www.netis-systems.com> E-mail: support@netis-systems.com

Step 6. Wait for 1 minute until the configuration is saved and takes effect.



netis | Model No. E1+ | Firmware Version V1.2.32730

Network Configuration Succeeded

You have successfully configured network!

Wi-Fi Name: netis

Password: 12345678

OK

<http://www.netis-systems.com> E-mail: support@netis-systems.com

Tip:
Default Login Address: <http://netisext.cc>
Default SSID: netis

4. Troubleshooting

Q How do I restore my Extender configuration to its default settings?

A **Method 1.** With E1+ powered on, press and hold the WPS button for 5 seconds until the LED is flashing.

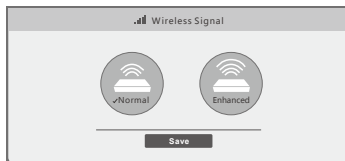
Method 2. In the main page of web management page, click "**Advanced**" "**Factory Default**" to reset E1+ to factory default.

Q What can I do if I failed to extend the wireless range by "**WPS Button**"?

A In default, the Auto-Config system will set E1+ to work under enhanced signal mode automatically. There're two methods to change it.

Method 1. With E1+ powered on, press the WPS button for 1~2 seconds, the signal strength can be switched between normal signal and enhanced signal. (Blue for normal signal, Orange for enhanced signal.)

Method 2. In the main page of web management page, set "**Manually Set**" to change the signal strength.



The screenshot shows a web interface titled "Wireless Signal". It contains two circular buttons with signal icons. The left button is labeled "Normal" and has a blue border, indicating it is selected. The right button is labeled "Enhanced" and has an orange border. Below these buttons is a horizontal line, and underneath that line is a dark grey button labeled "Save".

Appendix: 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 also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided installation and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the co-location statement.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause 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:
US/UK/Canada
Toll Free: +1 866 71 network (+1 866 716 3886)
Email: usa_support@netis-systems.com

Other Regions:
Email: support@netis-systems.com

NETIS SYSTEMS CO., LTD.
www.netis-systems.com
MADE IN CHINA

PH00M0672