

Prescitech

GET STARTED

AC 1200 High Power Dual Band Wi-Fi Range Extender

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Overview

The **Prescitech X12** WiFi Range Extender is a network device with multifunction, which can be used for increasing the distance of a WiFi network by boosting the existing WiFi signal and enhancing the overall signal quality over long distances. An extender repeats the signals from an existing WiFi router or access point.

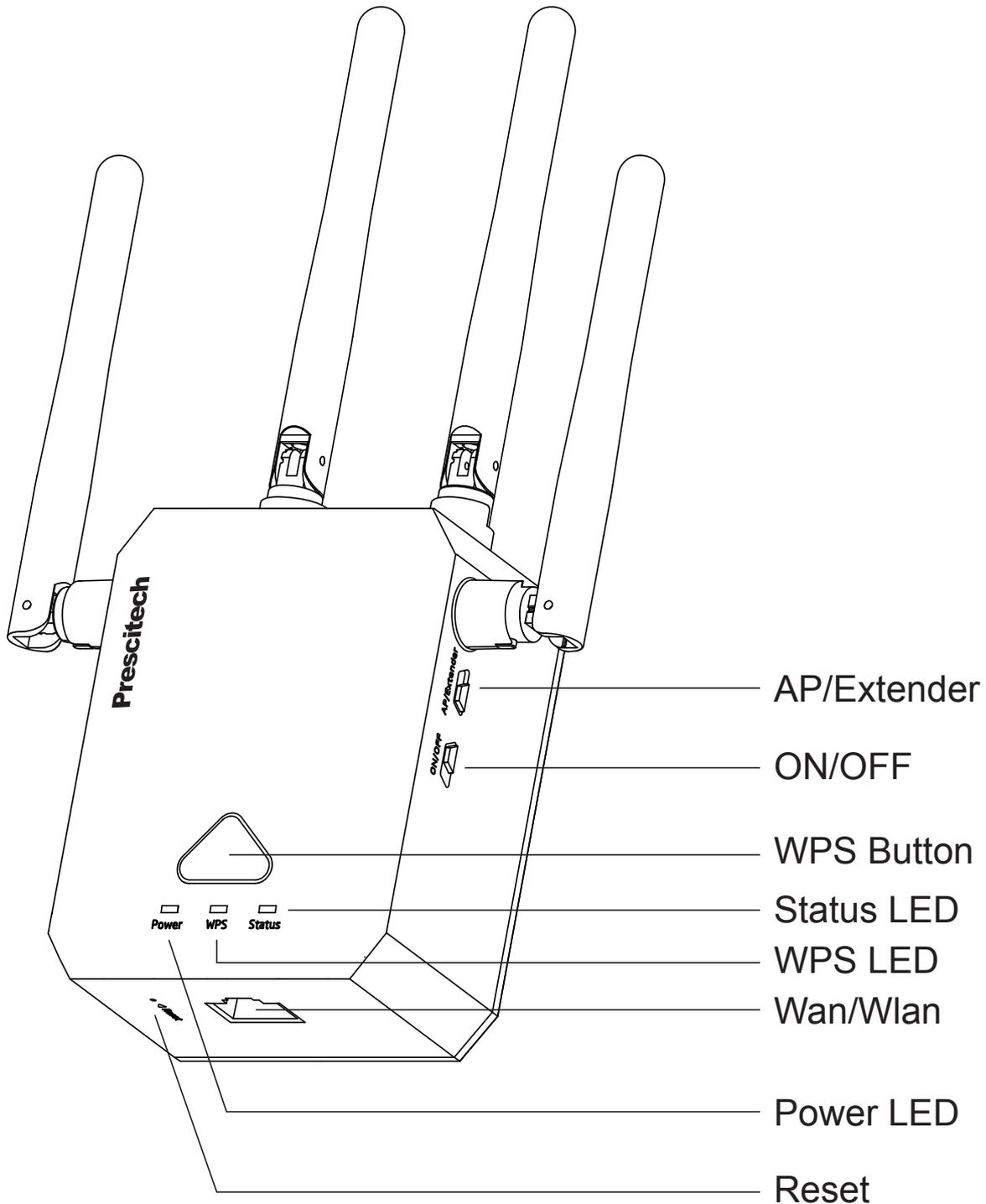
The **Prescitech X12** WiFi Range Extender also can be used as an Access Point.

Package Contents

Prescitech X12 Mini WiFi Range Extender x 1
Quick Installation Guide x 1
User Manual x 1
Reset Pin x 1

Front Panel

Before you install your extender, familiarize yourself with its LEDs, buttons, and port.



LED Descriptions

Power LED

Blinking. The Prescitech X12 is starting.

Off. Power is not supplied.

WPS LED

Blinking. A WPS connection is being established

Status LED

Lit Blue. Best Connection.

Lit Amber. Poor Connection.

Lit Red. Disconnected.

Using as an Extender

The extender works like a bridge between a WIFI router (or an access point) and a WIFI device out of the range from WIFI router. The extender performs two main jobs:

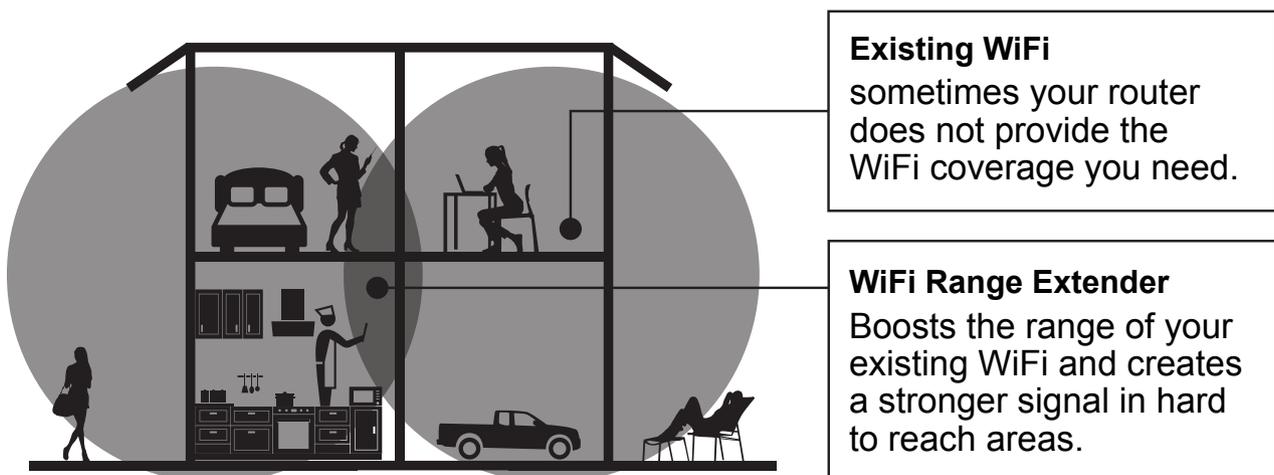
Connects to a WIFI network

When the extender connects over WIFI to an existing network, it functions as a network client, similar to one WIFI device connects to a network.

Acts as an access point for WIFI devices

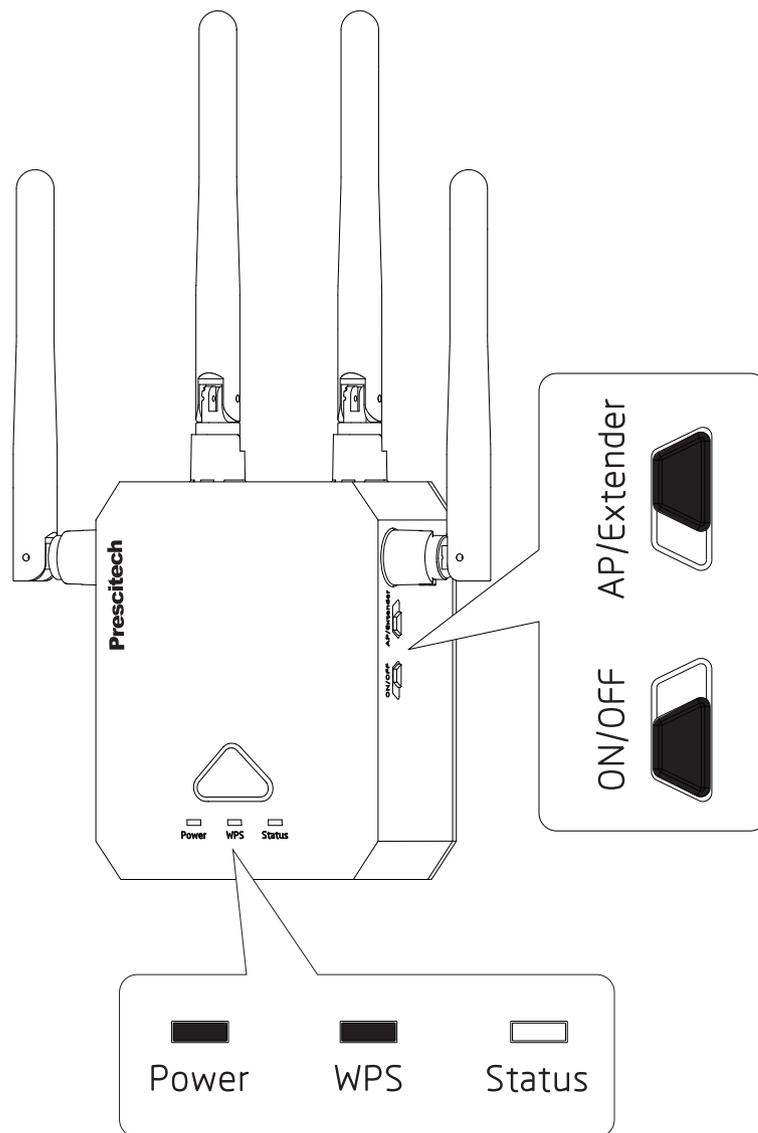
The extender broadcasts its own signal that WIFI devices can join. As an access point, the extender performs tasks that router does, such as broadcasting its network name (SSID).

The extender must do each of these jobs so that both ends of the bridge are in place.



1 Power on the Prescitech X12

Switch the power button “On” & the mode button to “Extender” on the side of the extender. Plug the extender into an electrical outlet which next to your WIFI router. The extender plugged in the proximity of the WIFI router only for the initial setup process.



2 Connect to an existing WIFI network

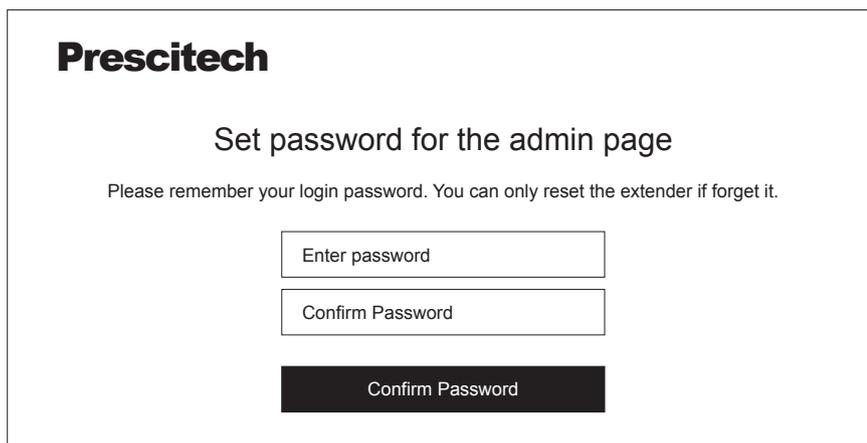
To extend the range of your WiFi network, you must connect the extender to your existing WiFi network. You can do this in one of two ways:

Method 1. **Connect with a web browser.**

Method 2. **Connect with WPS.** (more details on page 11)

Method 1: Connect with a web browser

1. Use a WIFI network manager on a computer or smartphone (recommended) to find and connect to the extender WIFI network
“Prescitech X12_2.4G or Prescitech X12_5G”
2. Once connected, the setup page will be popup. If not popup, enter <http://extenderlogin.com> or <http://192.168.19.252/> in the address field of the web browser. When prompted, set your own password for admin page for the initial setup process.



Prescitech

Set password for the admin page

Please remember your login password. You can only reset the extender if forget it.

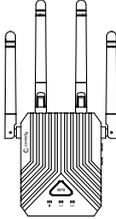
Enter password

Confirm Password

Confirm Password

Computer

Prescitech



X12 WiFi Extender

Set password for the admin page

6-32 characters

Confirm Password

The new password should consist of 6-32 characters.

Login

Please reset the device if you forget the login password, power on the device, press and hold the reset button on device about 5 seconds.

Smartphone

3. Click the “Login” button.
4. Select an existing WIFI network you would like to extend.

Note: Click the “Rescan” if the wireless Network list couldn't load completely or successfully.

Prescitech

Select an existing WiFi network you would like to extend

Your Target Network Name	
SSID1	
SSID2	
SSID3	

Rescan

Smartphone

Prescitech

Select an existing WiFi network you would like to extend

Your Target Network Name 80-3F-5D-C8-74-F9	5G
SSID1 XX-XX-XX-XX-XX-XX	2.4G
SSID2 XX-XX-XX-XX-XX-XX	5G
SSID3 XX-XX-XX-XX-XX-XX	2.4G

RESCAN **MANUALLY**

Computer

5. Fill in the WIFI network password of the router you selected (also called the passphrase or security key). Confirm or change the extender's SSID after connected successful. Then click "NEXT".
6. The Prescitech X12 needs around half one minute to reboot. You can connect back the extender by using the new SSIDs.

Note: If the extender fails to connect the router, the Status LED would turn to lit red and the extender SSIDs won't be changed. You might type the wrong password on step 5.

Prescitech

Please enter the password of Your Target Network Name

Enter the password (network key) for your existing WiFi network, the extender's WiFi password same as existing network.

The 2.4Ghz network name of extender

Hide the extender's WiFi network name(SSID)

The 5Ghz network name of extender

Hide the extender's WiFi network name(SSID)

Smartphone

Prescitech

Password and Network Name

Please enter the password of Your Target Network Name

Enter the pass word (network key) for your existing WiFi network, the extender's WiFi password same as existing network.

Enter a network name for your 2.4G WiFi network.

Hide the extender's WiFi network name (SSID)

Enter a network name for your 5G WiFi network.

Hide the extender's WiFi network name (SSID)

Computer

7. Unplug the extender and move it to a new location that is about halfway between your router and the area with a poor router WiFi signal. (How to find out the suitable location, please refer to the Troubleshooting)

Method 2: Connect with WPS

Wi-Fi Protected Setup (WPS) lets you join a secure WiFi network without typing the network name and password. Note: WPS does not support WEP network security.

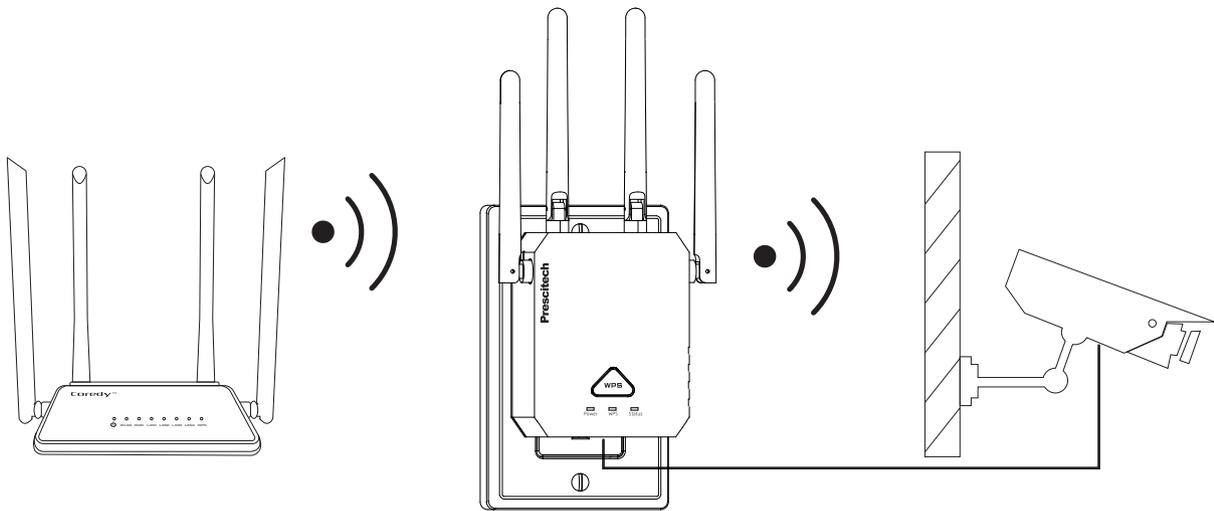
1. Press the WPS button on the front panel of the extender. Then WPS LED blinks.
2. Within two minutes, press the WPS button on your router or access point.

When the extender connects to your existing WiFi network successful, the X12 WiFi network name would be changed into "Prescitech X12_2.4G_EXT" and "Prescitech X12_5G_EXT", and the Status LED would turn to Lit Blue. If the X12 fails to connect, the Status LED would turn to Lit Amber. Try to setup once again. If it still does not work, try the Method 1: Connect with a web browser on page 06.

3. After setup successful, you can connect back the X12 with new SSID. The first time you visit the admin page (<http://extenderlogin.com> or <http://192.168.19.252/>), it would require you setup your own password for admin page.
4. Unplug the extender and move it to a new location that is about halfway between your router and the area with a poor router WiFi signal. (How to find out the suitable location, please refer to the Troubleshooting)

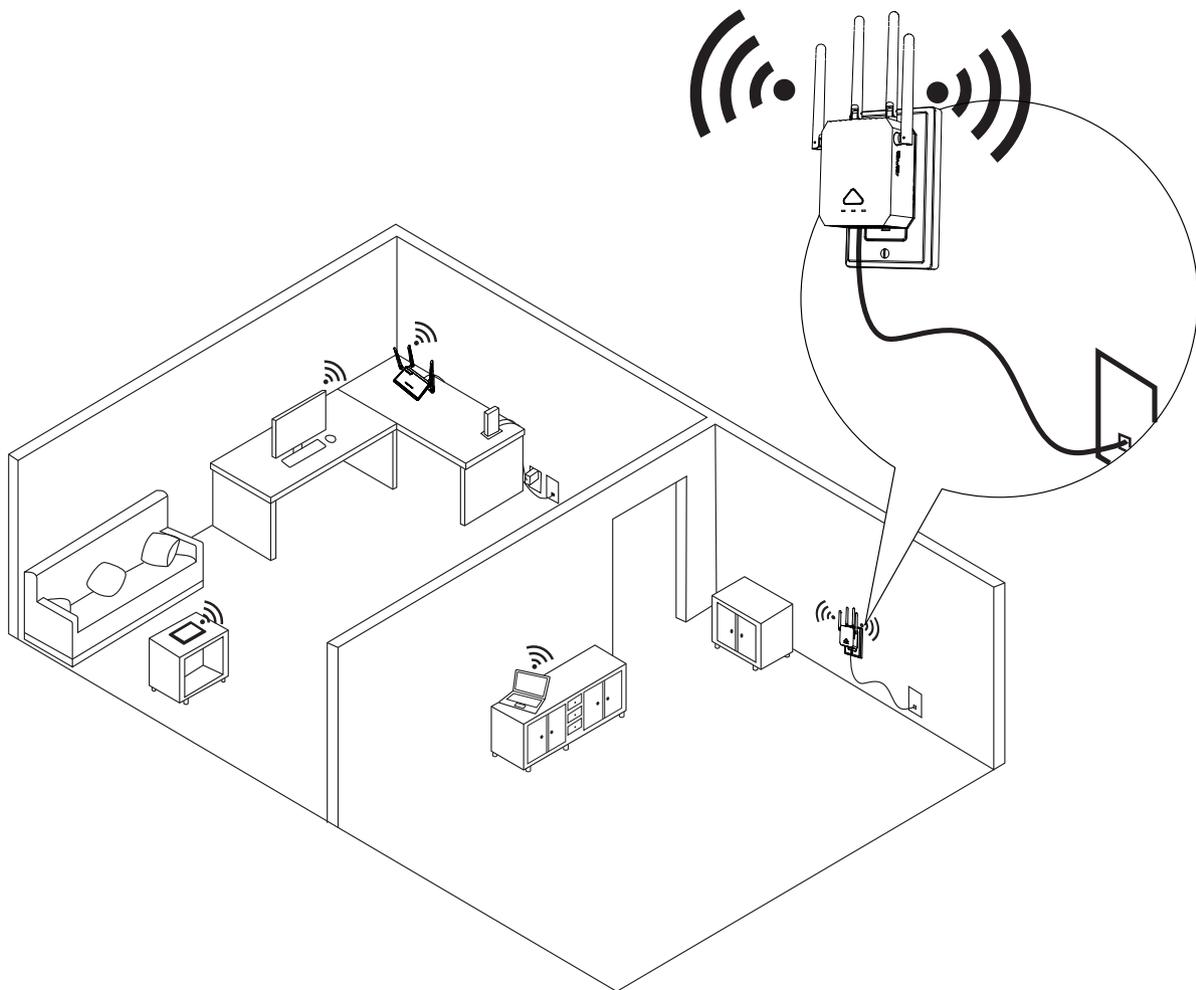
Connect an Ethernet-enabled Device

After the X12 connected to your existing WIFI network successful, you can connect a wired device to the X12 by using an Ethernet cable. Then the device can access your existing network through the WIFI connection.



Using as an Access Point

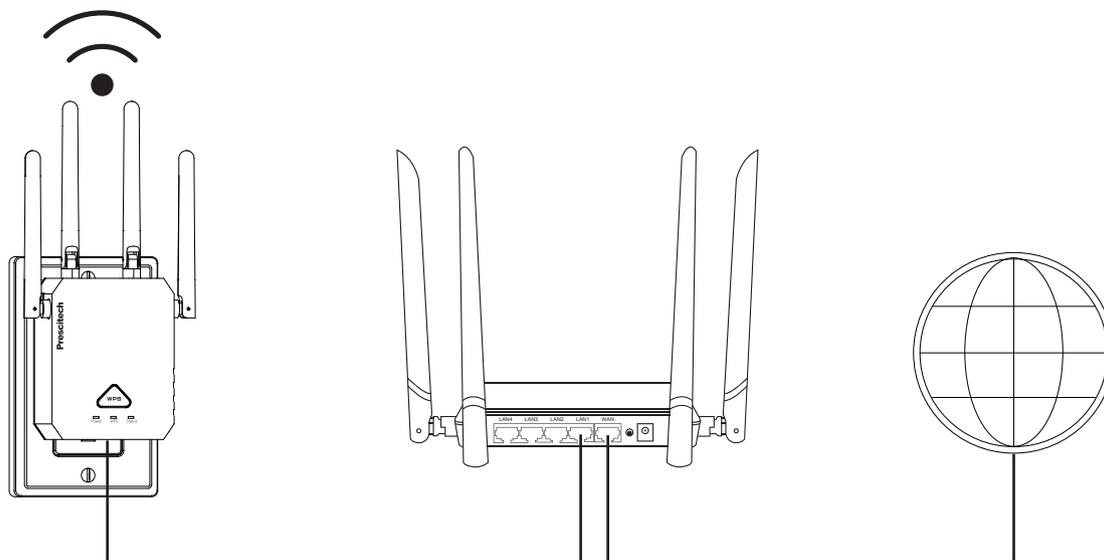
The Prescitech X12 WIFI Range Extender also can be used as an Access Point. An access point receives internet data by wired Ethernet (such as hotel's wired Ethernet), and converts into a 2.4GHz and 5GHz wireless signals. It sends and receives wireless traffic to and from nearby wireless clients.



1. Power on the Prescitech X12

Switch the power button “On” & the mode button to “AP” on the side of the extender. Plug the extender into an electrical outlet.

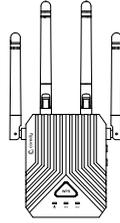
2. Connect the X12 to your wired Ethernet port with Ethernet cable came with the X12.



3. Use a WIFI network manager on a computer or smartphone (recommended) to find and connect to the extender WIFI network “Prescitech X12_2.4G or Prescitech X12_5G”

4. Once connected, the setup page will be popup. If not popup, enter <http://extenderlogin.com> or <http://192.168.19.252/> in the address field of the web browser. When prompted, set your own password for admin page for the initial setup process.

Prescitech



X12 WiFi Extender

Set password for the admin page

6-32 characters

Confirm Password

The new password should consist of 6-32 characters.

Login

Please reset the device if you forget the login password, power on the device, press and hold the reset button on device about 5 seconds.

Smartphone

Prescitech

Set Admin Password

Please remember your login password. You can only reset the extender if forget it.

Enter password

Confirm Password

Confirm Password

Computer

5. Setup the X12 SSID & password and click “APPLY”. it needs around one minute to restart. And you can connect back the new SSID of X12 to visit the internet.

Prescitech

2.4GHz Network
Extender SSID

Password

5GHz Network
Extender SSID

Password

 Hide the extender's WiFi network name(SSID)
APPLY

Smartphone

Prescitech

Wireless

Enter a network name for your 2.4G WiFi network.

Enter the password for your 2.4G WiFi network.

Enter a network name for your 5G WiFi network.

Enter the password for your 5G WiFi network.

 Consistent with 2.4G password
APPLY

Computer

Other Settings

Change the password of Prescitech X12

1. Connect the X12 and visit the admin page by entering <http://extenderlogin.com> or <http://192.168.19.252/>
2. Fill in the password of admin page
3. Click “Setting”>> “System Tools” (set by PC) >>“Admin Account”. Input your current password & the new password you want to set twice.
4. Click “Save” button, your change would be saved.

Prescitech

Current Password

New Password

Comfirm Password

Cancel Save

Smartphone

- Wireless 2.4G
- Wireless 5G
- Network
- DHCP Server
- System Tools** 
- Firmware Update
- Factory Restore
- Backup & Restore
- Reboot
- Admin Account**
- System Log

Admin Account

Old Password:

New Password:

Confirm Password:

Save

Computer

Save/Reload your Extender setting

You can use this feature to save your extender setting and reload it easy when you reset the router to factory setting or update the router firmware.

1. Connect the X12 and visit the admin page by entering <http://extenderlogin.com> or <http://192.168.19.252/>
2. Fill in the password of admin page.
3. Click “Setting”>> “System Tools” (set by PC) >> “Backup & Restore”. Click the Backup button to save the current setting and click browse and upload to reload the saved setting.

The screenshot shows the Prescitech web interface. At the top left is the logo "Prescitech". At the top right are links for "Status", "Settings", and "Logout". On the left side, there is a navigation menu with the following items: "Wireless 2.4G", "Wireless 5G", "Network", "DHCP Server", "System Tools" (highlighted in black with a checkmark), "Firmware Update", "Factory Restore", "Backup & Restore" (highlighted in black), "Reboot", "Admin Account", and "System Log". The main content area is titled "Backup" and contains the following sections:

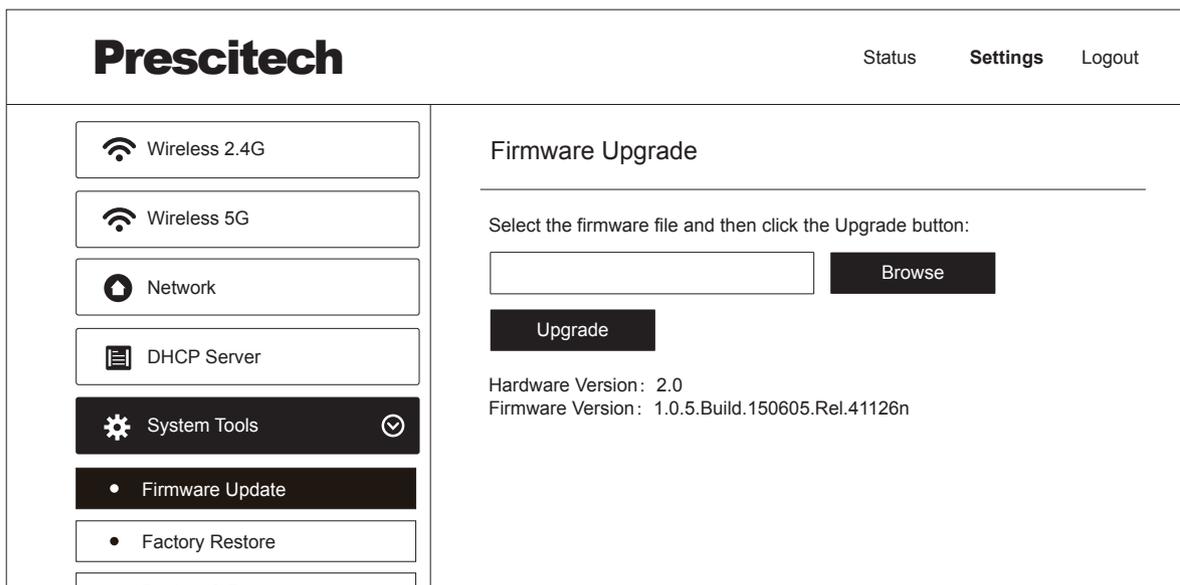
- Backup**: "Save a copy of your current settings." with a "Backup" button.
- Factory Restore**: "Restore saved settings from a file." with a text input field and a "Browse" button, followed by an "UPDATE" button.
- Note:**
 - The current configuration will be replaced by the uploading configuration file, please make sure the restore file is correct. Use a pin to press the Reset button to reset the extender if it cannot be managed caused by uploading file failed.
 - DO NOT power off the extender during the restore process, as the extender may be damaged.
 - The restore process may take a few minutes to complete and the extender will automatically reboot itself when finished.

Computer

Update the Extender Firmware

The extender firmware is stored in flash memory. You might check if any latest firmware is available at www.prescitech.com.

1. Connect the X12 and visit the admin page by entering <http://extenderlogin.com> or <http://192.168.19.252/>
2. Fill in the password of admin page
3. Click “Setting”>> “System Tools” (set by PC)
>>“Firmware Update”.
4. Browse a firmware file and click Upgrade.



The screenshot shows the Prescitech admin interface. The top navigation bar includes the Prescitech logo, and links for Status, Settings, and Logout. A left sidebar contains menu items: Wireless 2.4G, Wireless 5G, Network, DHCP Server, System Tools (highlighted), Firmware Update (sub-item), and Factory Restore. The main content area is titled 'Firmware Upgrade' and contains the instruction 'Select the firmware file and then click the Upgrade button:'. Below this is a file selection input field with a 'Browse' button, and an 'Upgrade' button. At the bottom, the current hardware and firmware versions are displayed: Hardware Version: 2.0 and Firmware Version: 1.0.5.Build.150605.Rel.41126n.

Computer

WARNING:

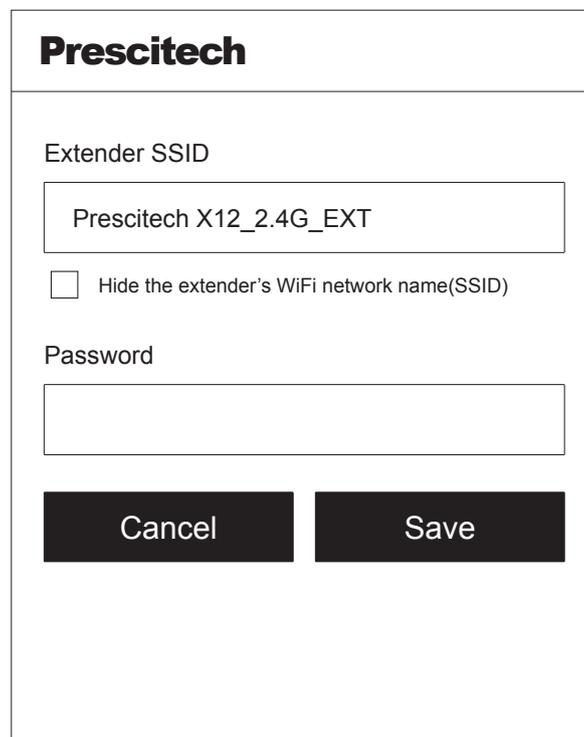
To avoid the risk of corrupting the firmware, do not interrupt during updating process. For example, do not close the browser, click a link, load a new page, or turn off the repeater.

The extender would be reset into its factory setting after updated finish.

Hide extender's wireless network

You can hide the extender wireless network that which would not display in your client WIFI scanning list. Other people could not join the wireless network if they do not have your wireless network SSID even they get the password of the wireless network.

1. Connect the X12 and visit the admin page by entering <http://extenderlogin.com> or <http://192.168.19.252/>
2. Fill in the password of admin page.
3. Click “Setting”>> “wireless 2.4G”or “Wireless 5G”.
4. Uncheck the selection “Broadcast SSID”, then click “Save”. (Tick "Hide the extender's WiFi network name (SSID)" by smartphone)
5. After it restart. The SSIDs would not show up for the publish network list.



The screenshot shows a mobile interface for the Prescitech extender. At the top, the brand name "Prescitech" is displayed in bold. Below it, the "Extender SSID" field contains the text "Prescitech X12_2.4G_EXT". A checkbox labeled "Hide the extender's WiFi network name(SSID)" is currently unchecked. Below this is a "Password" field, which is empty. At the bottom of the form are two buttons: "Cancel" and "Save".

Smartphone

 Wireless 2.4G

 Wireless 5G

 Network

 DHCP Server

 System Tools 

Wireless 2.4G

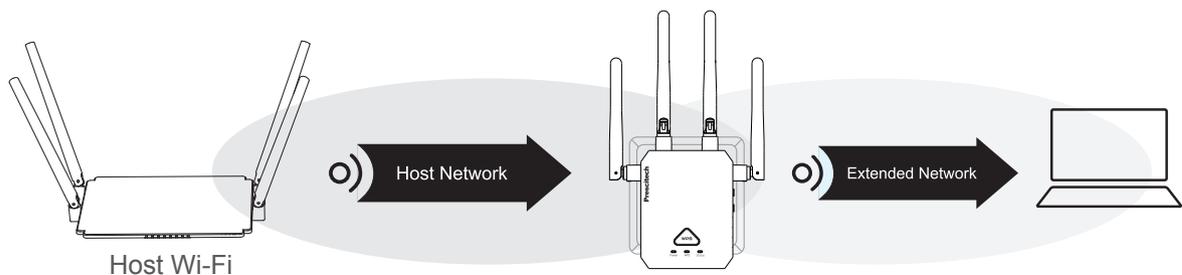
Extender SSID: Broadcast SSID

Password:

Troubleshoots

1. How to find out the suitable location for my X12?

The location that you choose must be within the range of your existing WIFI router network. Use the Status LED to help you choose a spot where the extender-to-router connection is optimal. If the Status LED Lit amber, plug the extender into an outlet closer to the router and try again. Keep moving the extender to outlets closer to the router until the Status LED Lit blue.



Note: Place the extender in an elevated location and minimizing the number walls and ceilings between the router and your other devices.

2. How to reset the Prescitech X12 into its default factory setting?

Power on the X12 AT LEAST one minute. Push the reset button at bottom of the device by using the metal pin attached. Hold the button around 3 ~5 seconds till the POWER light blinks. The reset process is success. If the POWER light not blinks, release the reset button & press once again.

3. My internet speed drops after setup successful, how to fix it?

Try to place the X12 into new location which away from some obstacles. Like: Cabin, Glass & Walls. And wireless devices also effect the signal transmitting. Like cordless phone, fax, microwave oven, doorbell.

If there are too many WIFI signal nearby. Try to change the channel of X12. Please google “how to choose the right channel”.

4. My problem not solved above?

Please call our support team 800-213-2134

Model: X12

AC 1200 High Power Dual Band Wi-Fi Range Extender

US COST FREE Tech Support:

800-213-1134

(PST Mon-Sun 06:00-24:00)

UK COST FREE Tech Support:

800-970-3063

(GMT Mon-Sun 14:00-08:00)

Website: www.prescitech.com

E-Mail: support@wifiextendersupport.com