

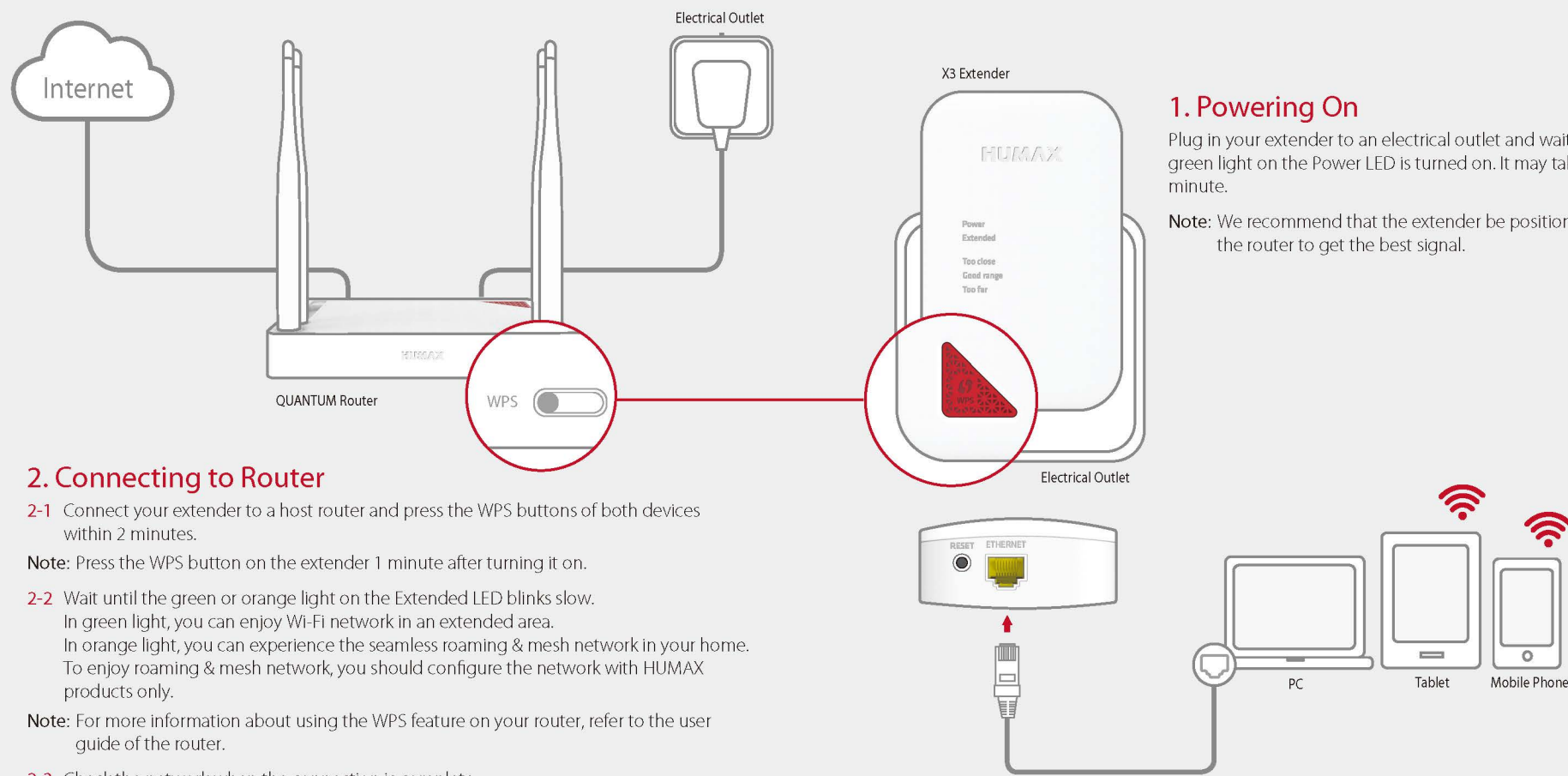
Quick Start Guide

11N Wireless Roaming Extender

QUANTUM X3

Warning

1. Connect all devices before you plug any power cords into the electrical outlet.
2. Always turn off the product and network devices before you connect or disconnect any cables.
3. Hazardous electrical voltages can exist on the product and peripheral devices and can be present on any connected cables.



2. Connecting to Router

2-1 Connect your extender to a host router and press the WPS buttons of both devices within 2 minutes.

Note: Press the WPS button on the extender 1 minute after turning it on.

2-2 Wait until the green or orange light on the Extended LED blinks slow. In green light, you can enjoy Wi-Fi network in an extended area. In orange light, you can experience the seamless roaming & mesh network in your home. To enjoy roaming & mesh network, you should configure the network with HUMAX products only.

Note: For more information about using the WPS feature on your router, refer to the user guide of the router.

2-3 Check the network when the connection is complete. If you connect the extender to a HUMAX router, both network names are the same as if they configure a single network. But, if you use a router other than HUMAX products, the network name of your extender will copy the routers name following Ext2G or Ext5G. (ex. Router_Ext5G)

1. Powering On

Plug in your extender to an electrical outlet and wait until a green light on the Power LED is turned on. It may take one minute.

Note: We recommend that the extender be positioned near the router to get the best signal.

- **WPS:** Press the WPS button to activate the wireless protected setup.
- **RESET:** Keep pressing the reset button for 5 seconds and release it if all LEDs are blink.
- **ETHERNET:** Connect your smart TV, gaming console or PC.

3. Relocating Extender

Place your extender about halfway between your router and Wi-Fi dead zone. Plug the extender into an electrical outlet and wait until the Good Range LED lights green.

Note: If a green light on the Too Close or Too Far LEDs is turned on, move the extender far from or closer to the router until the Good Range LED lights green.

LEDs on the Front Panel

After the product is successfully registered on the network, the LEDs illuminate continuously to indicate that the product is active and fully operational.

LED			Operation
Power	Green On		Power is on.
	Off		Power is off.
Extended	Extender	Green On	WPS Connction between router and extender is in progress.
		Green Fast Blinking	WPS Connction between router and extender is failed. It blinks for 2 minutes.
		Green Slow Blinking	WPS connection between router and extender is successful. It blinks for 5 seconds.
	Roaming & Mesh	Orange On	Synchronization over smart roaming & mesh network is successful.
		Orange Fast Blinking	WPS connection between router and extender is failed.
		Orange Slow Blinking	WPS connection between router and extender is successful.
Too Close	Green On	Wireless network signal is strong. Move a client device far from the product.	
Good Range	Green On	Wireless network signal is good.	
Too Far	Green On	Wireless network signal is weak. Move a client device closer to the product.	
Extended, Too Close, Good Range, Too Far Blinking			Resetting the system is in progress.

Note:

- Orange light is turned on when your product operates over the roaming & mesh network.
- You can turn the LEDs off if the notification is not needed. Go to **Management > Energy Saving > LED Controls** to turn the LEDs on or off.

FCC warning:

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

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. **Note:** 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.



Scan the QR code
to access @@ on your mobile device.

Setting up on Web Page

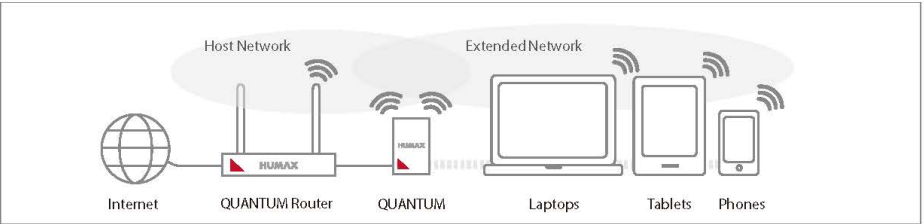
If you want to set the extender in more detail, you can set it up on your PC or mobile device.

1 Connecting Network Devices

Wirelessly connect your network devices to the extender.

Note: You need a network name and password of the extender.

Or, you can connect your PC to the LAN port of your extender through an Ethernet cable.



2 Login to the Web

1. Open the web browser.
2. Enter <http://dearmyrouter.net> to the address bar, and then press the Enter key.
3. Enter the ID and password. The default ID and password are admin and nnnn. nnnn is the last 4 digits of serial number. Refer to the serial number at the bottom of your product.

Note: We recommend you to change the ID and password to secure your network.
Go to **Management > Change Password** to change your password.

Welcome to QUANTUM X3!
<http://dearmyrouter.net>

ID

admin

Password

Login

For the default ID and password, see the bottom of the product.

FC

VCCI

11N Wireless Roaming Extender
QUANTUM X3

OMAN-TRA

FCC ID: 06233

Humax Co., Ltd. 5 GHz band(W52) indoor use only

XJXXXXXX

HUMAX BLDG., 2, Yeongmun-ro, Cheoin-gu, Yongin-si,

XXXXXX

Gyeonggi-do, 449-934, South Korea

TRA

REGISTERED No. XXXXXXXXX

211-170616

Full Postal Address: XXXXXX

TRA DEALER No. XXXXXXXXX

0170028211

CE

RoHS

3 Welcome

If you configure the network with **HUMAX products only**, click HUMAX Products and go to **4-1. Roaming & Mesh**.

If you use a third party product other than HUMAX, click **Other Products** and go to **4-2 Repeater**.

Welcome to Quantum X3!

You can expand the Wi-Fi coverage with Quantum X3 by wirelessly connecting it to a host router.

HUMAX Products

QUANTUM T & X Series
Connect HUMAX products. Mesh technology enables configuring network over HUMAX Quantum series. You will experience seamless Wi-Fi roaming.

Other Products

Do you have a networking device already? Connect it to a HUMAX product. You will experience stronger and wider Wi-Fi signal.

Next

4-1 Roaming & Mesh

Just press the WPS buttons on HUMAX products within 1 second. Then, they are connected each other automatically, and configure the mesh network. You will experience seamless Wi-Fi roaming over the mesh network.

Roaming & Mesh Setting

HUMAX products work together. You can extend Wi-Fi coverage simply using the WPS button. Place Quantum X3 near the product to connect, and press the WPS button on both products within 2 minutes.

Tip!
Place the two products without walls or obstacles there between, and keep no distance between them too far. They work best at up to 12m (40feet) inside and outside.
If the mesh network has been configured already, press the WPS button on the device closest to a new product within 2 minutes.

WPS

Manual Setting

Previous

4-2. Repeater

If you have a networking device other than HUMAX products, select it from the list and then enter the password. You will experience stronger and wider Wi-Fi signal.

Click **Next** to set the connection with the host router.

If you click **WPS** to connect to the host router automatically, **5. Extender Setting** page does not appear.

Repeater Setting

Select a device from the list below and enter the password to connect to the host device.
Using the WPS button on both devices, you can easily connect them.

Refresh

WPS

Network Name (SSID)	CH	RSSI	Security	MAC Address	Band
IPTime_Zone	1	-45	WPA2-PSK	BC:76:70:7C:5C:74	2.4GHz
TIANA_89	1	-47	WPA2-PSK	F8:D1:11:5C:84:BA	2.4GHz
ASUS	1	-51	WPA2-PSK	70:7C:F8:D1:11:55	2.4GHz
Wafya	3	-26	None	11:5C:54:D8:33:98	2.4GHz
Iptime	9	-77	WPA2-PSK	5C:74:31:AB:C1:D2	5GHz

Password

Previous

Next

5 Extender Setting

Enter your network name and password. The default name is the same as your host network.

Note: We recommend the network share the same network name and password as your host network if you configure the network with HUMAX products only.

Repeater Setting

Set the Network Name (SSID) and password of your device in Repeater mode.

2.4GHz

Network Name (SSID)

Connect to Router

Password

☒ Password is the same as your host password

5GHz

Network Name (SSID)

Connect to Router

Password

☒ Password is the same as 2.4GHz wireless

Back

Done

6 WPS Connection

Click **Start WPS** to configure WPS between your router and extender. When the WPS is successfully configured, the green or orange light on the Extended LED blinks slowly.

Note: You can see whether the WPS connection is successful or not on the Extender Setting page.

Repeater Setting

You can more easily connect the device to be connected via the WPS function. The device you want to connect, you need to check whether it supports the WPS function.

On/Off

☒

WPS

WPS

Press the WPS button

Press the WPS button on both devices to connect within 120 seconds. Operating status can be checked through the LED Status of products or Message below.

Start WPS

Setting up on Mobile

Login to the Mobile web

1. Open the web browser on your mobile device. If the web page does not appear, enter <http://dearmyrouter.net> to the address bar.
2. Enter the ID and password. The default ID and password are admin and nnnn. nnnn is the last 4 digits of serial number. Refer to the serial number at the bottom of your product.

Note: We recommend you to change the ID and password to secure your network.
Go to **Management > Change Password** to change your password.

LOGIN

<http://dearmyrouter.net>

User Name

admin

Password

Login

For the default ID and password, see the bottom of the product.

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QUANTUM X3

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211-170616

Full Postal Address: XXXXXX

TRA DEALER No. XXXXXXXXX

0170028211

CE

RoHS

Connection to Host

3. Tap **SCAN**.
4. Select a host network from the list and enter the password.

Extender Setting

You can set the Extender Network through the Host Network connection.

SCAN

You can select a Network that you want to connect.

WPS

If the device you want to connect have the WPS button, check the product.

Extender Setting

Select the network you want to connect.

Network Name (SSID)	Signal
Router_01	
Router_02	
Router_03	
Router_04	
Router_05	
Router_06	
Router_07	
Router_08	
Router_09	
Router_10	

Back

Refresh

Extender Setting

5. Enter your network name and password. The default name is the same as your host network.

Note: We recommend the network share the same network name and password as your host network if you configure the network with HUMAX products only.

Extender Setting

Enter the settings for Host Network and Extender Network.

Host Network

Network Name (SSID)

Connect to Router

Password

Extender Network

Network Name (SSID)

Connect to Router

Password

☒ Extender password is the same as your host password.

Back

Refresh

WPS Configuration

6. Click **WPS** to configure WPS between your router and extender. When the WPS is successfully configured, the green or orange light on the Extended LED blinks slowly.

Extender Setting By WPS

If the host device you want to connect have the WPS button, press the WPS button. And within 120 seconds, click the WPS button below or press the WPS button on extender device.

WPS