DIGITUS®

1200 Mbps Wireless Dual-Band Mesh System Set 2.4 / 5.8 GHz

User manual
DN-7071

Content

Safety Precautions

- Only use the repeater devices within the specified temperature range for: 0 ~ 40°C
- When not in use, store the product in a clean and dry place in temperatures between 0°C and 40°C
- Do not let the indoor devices come into contact with liquids.
- Ensure that the indoor devices are only used inside. These devices are not intended for outdoor use and would be damaged.
    - During thunderstorms, there is a danger of lightning strike and due to overvoltage damage to connected electrical appliances
    - Do not install the repeater during a thunderstorm
    - Disconnect the repeater from power source during a thunderstorm
- Keep the devices outside the reach of children, since these components can be dangerous
- Never try to repair the repeater devices by yourself. Repair and maintenance work must be carried out by specialists.
- In case of problems contact our customer service.
    - Dust, humidity and vapours as well as sharp cleaning agents or solvents can damage the repeater
    - Disconnect the repeater from the power source before cleaning
    - Clean the repeater with a slightly damp, lint-free cloth

1 Product Introduction

1.1. Feature

- Free installation, automatic networking, seamless roaming, easily fill the whole house with WiFi coverage.
- Powerful dual-band Mesh WiFi System distributes 100% Internet speed to the edge of your WiFi network at home, without signal degradation when the end device is moving around.
- Mesh WiFi solution is built to connect with each other in a single network configuration. If one node loses connection, the remaining units will reestablish Internet connection, automatically and seamlessly.
- Mesh WiFi System chooses the fastest path for device connections and keeps your network running as fast as possible.
- Complies with IEEE 802.11ac/a/n/g/b standards.
- Simultaneous 5GHz 867Mbps and 2.4GHz 300Mbps connections, total available bandwidth of 1200Mbps.

1.2. Package content:

- 1pc of dual band 1200Mbps MASTER Router
- 2pcs of dual band 1200Mbps SATELLITE repeater
- 1pc of User manual
- 1pc of Lan Cable

1.3. Indicator and button Description

1.3.1. Know about the indicator and button of Master Router:
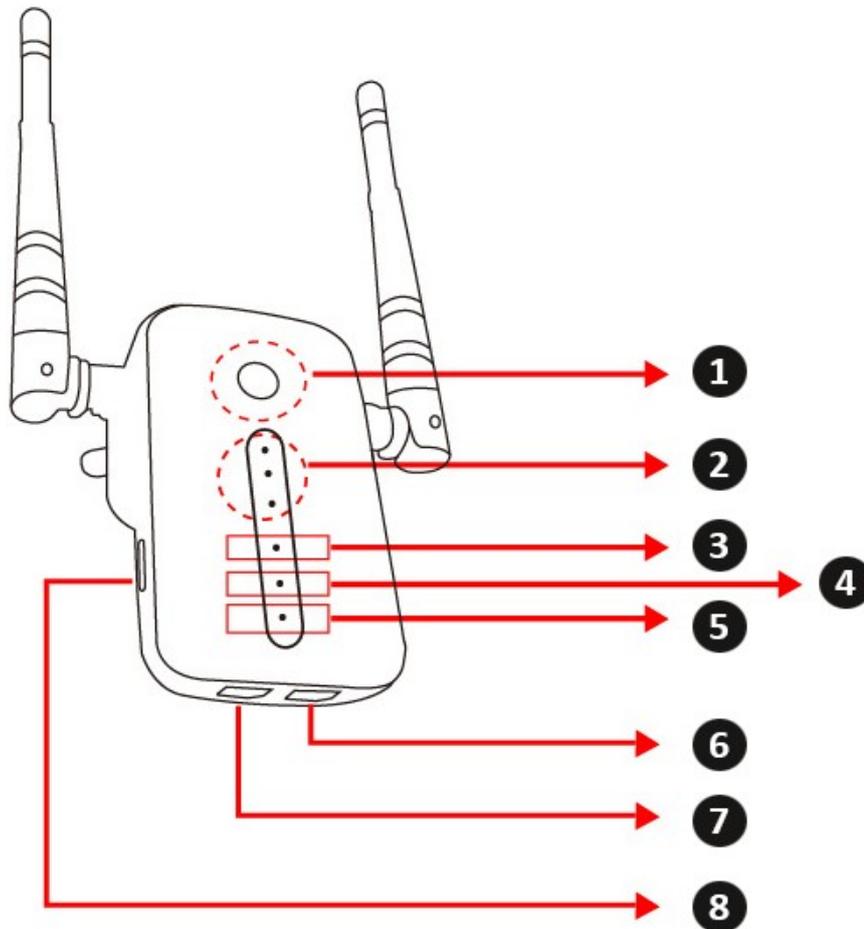
1	WPS button	Press the button to allow the user device to connect to this device via WPS within 2 minutes
2	Signal LED	**One LED is on:** The signal is weak. The distance from the nearest MESH device is far. **Two LED are on:** The signal is stable. The distance from the nearest MESH device is moderate **Three LED are on:** Strong signal. Close to the nearest MESH equipment.
3	Internet LED	**On:** Device can't connect with internet. **Off:** Device connects with internet.
4	Cable LED	**On:** No cable connect with WAN port **Off:** Cable is connected with WAN port
5	System LED	**On:** Self-test or system failure **Off:** Device is working well. **Blink:** The device is in the WPS connection process.
6	WAN port	Connect the WAN port of mesh mater to the LAN port of your router by cable.
7	LAN port	Provide wired connection to your end device, such as laptop, camera.
8	Reset button	Press this button for 5 seconds to return to the factory settings

1.3.2. Know about the satellite repeater:
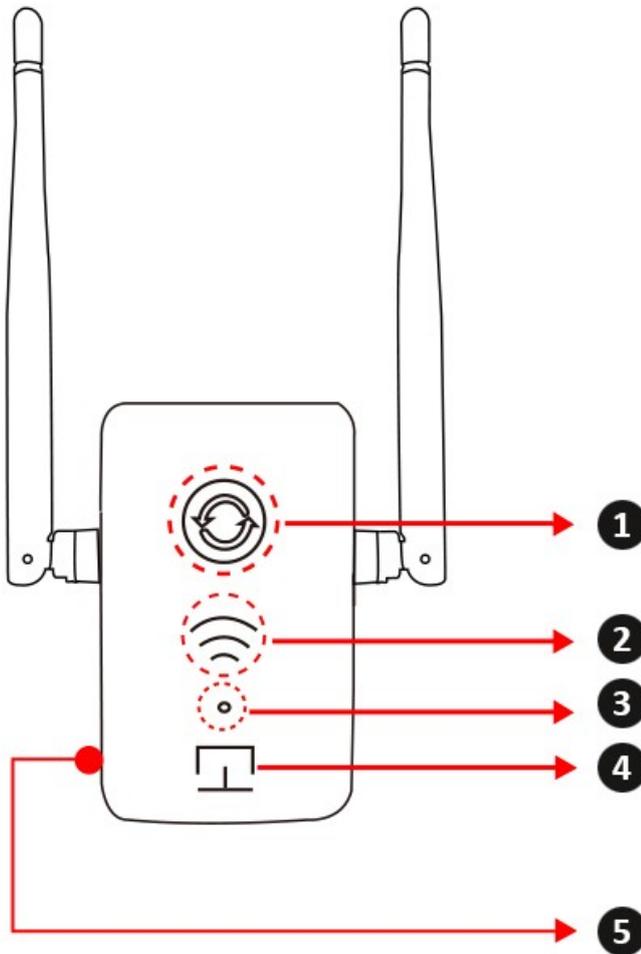
1	WPS button	Press this button to allow the user device to connect to this device via WPS within 2 minutes.
2	Signal LED	**One LED is on:** The signal is weak. The distance from the nearest MESH device is far. **Two LED are on:** The signal is stable. The distance from the nearest MESH device is moderate. **Three LED are on:** Strong signal. Close to the nearest MESH equipment.
3	Internet LED	**On:** Device can't connect with internet. **Off:** Device connects with internet.
4	Device LED	**On:** Self-test or system failure **Off:** Device is working well.
5	Reset button	Press this button for 5 seconds to return to the factory settings

2 Start to setup and use

Plug the MASTER Router in to power socket, and wait for the SYSTEM LED to be off.
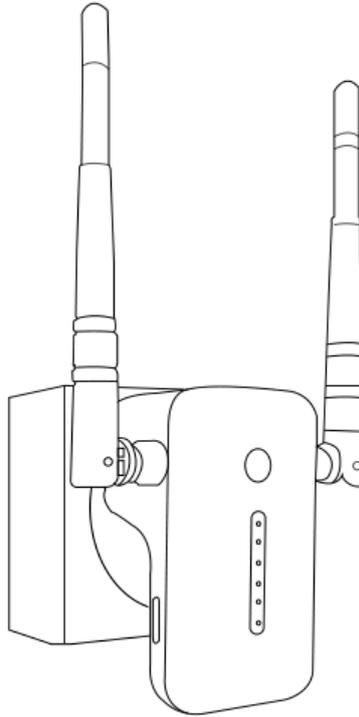
2.1 Setup via mobile phone

2.1.1 After SYSTEM light is off, use mobile phone search and connect to the MASTER router (**SSID: DIGITUS-XXXX**, and the default connection **password is 12345678**)
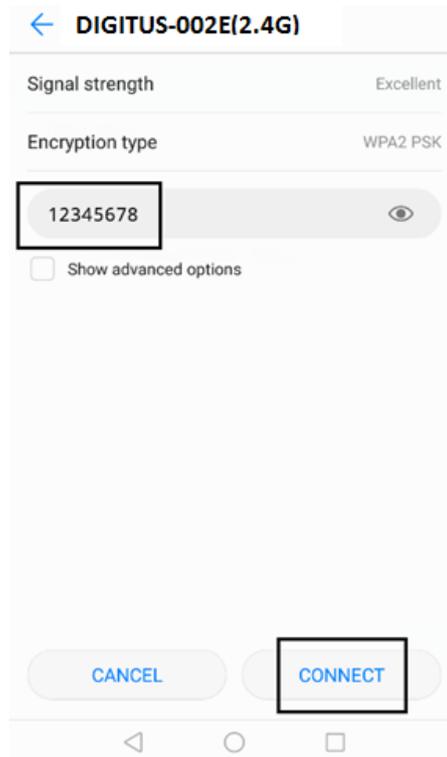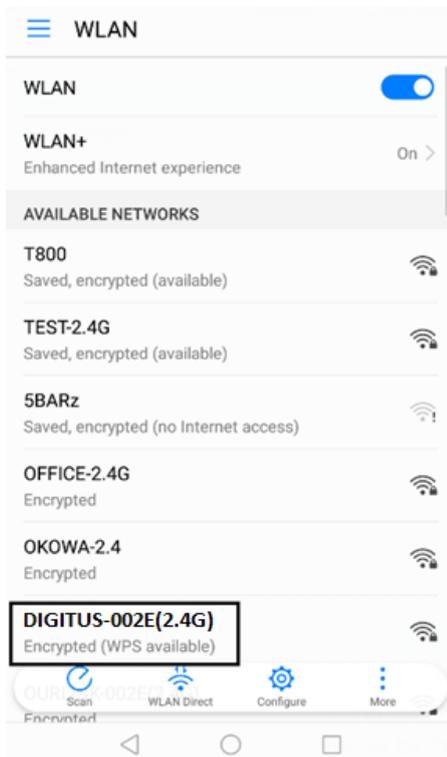
2.1.2 After the connection is successful, please open the browser and input **http://digitus.mesh** in the address bar to enter into the setup page (**username: digitus and password: 12345678**)
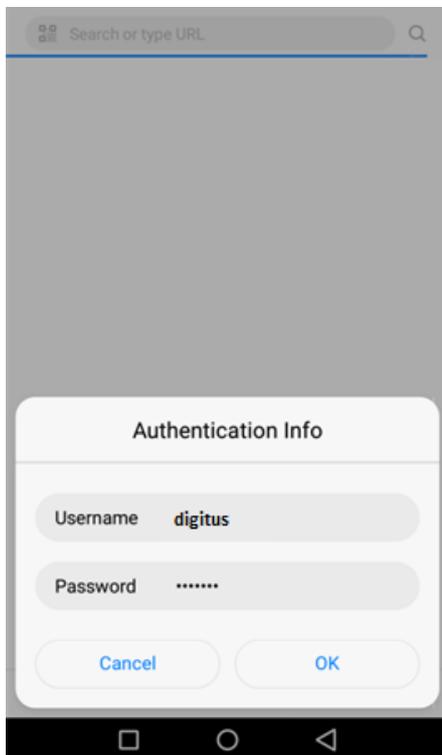
2.1.3 In the setup page, you may see two function option: the default is AP

mode and another is Router mode
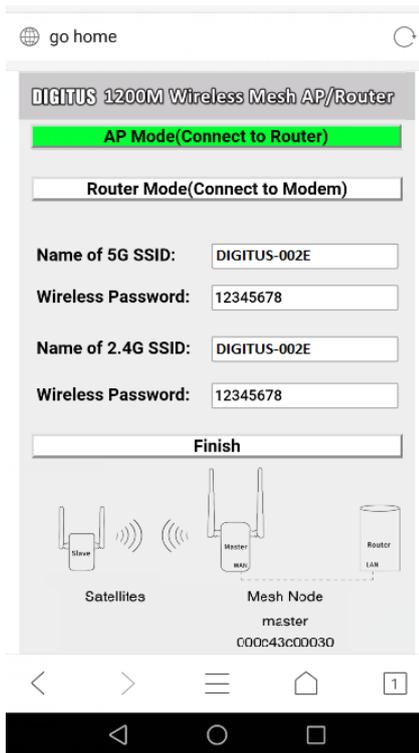
2.1.4 Please choose the working mode which your need and input the customer information. Click the FINISH button to finish the setup of MASTER router.

2.1.5 The MASTER router will restart after the setup is finished. Do not turn off the device until the SYSTEM LED is off!

DIGITUS 1200M Wireless Mesh AP/Router

Setting successfully!

Rebooting! Do not power off the Device.

Please wait 15 seconds ...
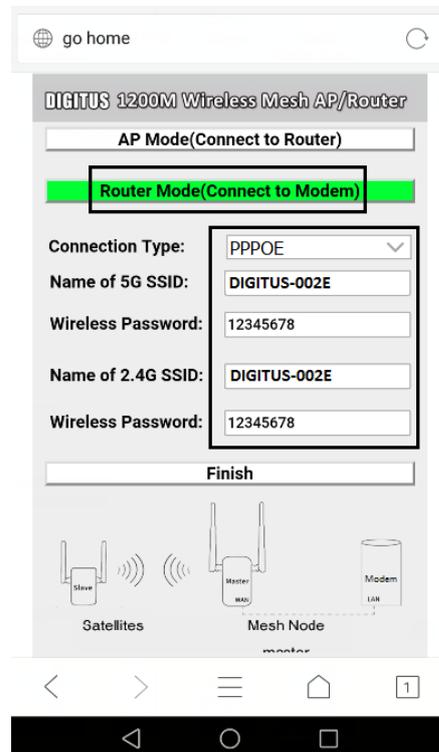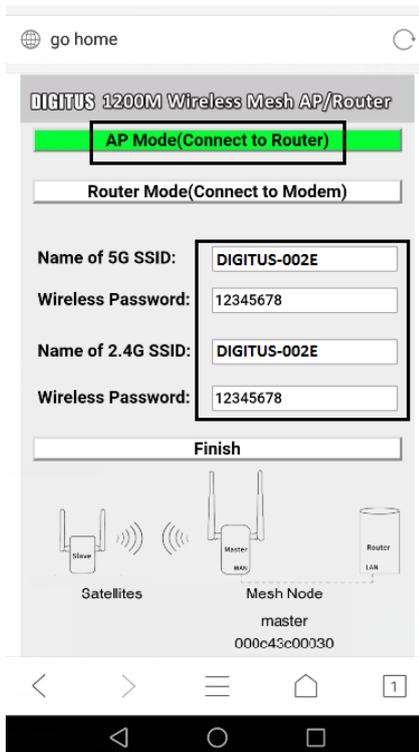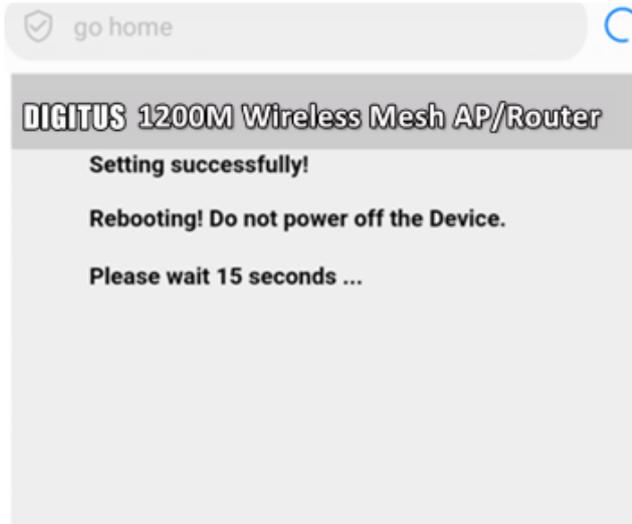
2.2 Setup via PC (windows)

2.2.1 Please click the wireless network symbol in the lower right corner of the screen and connect to the **SSID DIGITUS-XXXX (password is 12345678)**
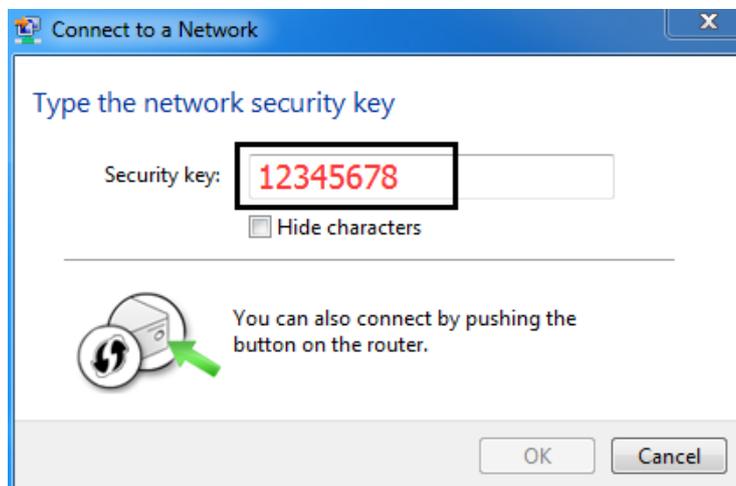
2.2.2 After the connection is successful, please open the browser and input **http://digitus.mesh** in the address bar to enter into the setup page (**username: digitus and password: 12345678**).
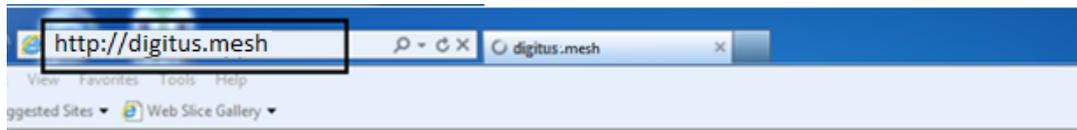
2.2.3 In the setup page, you may see two working mode option: the AP mode and the Router mode.
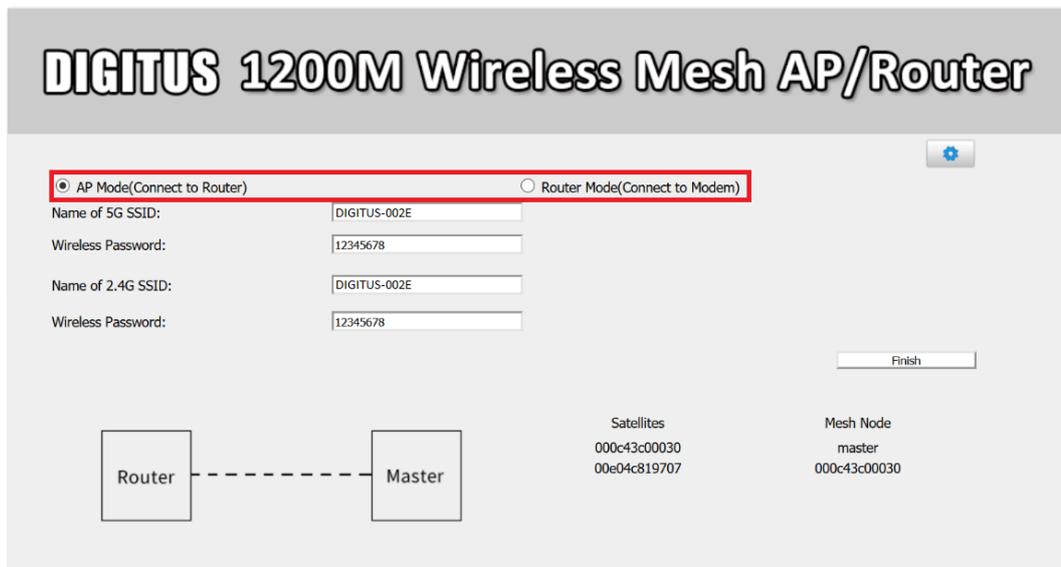
2.2.4 Please choose which working mode you need and input the customer information. Click the FINISH button to finish the setup of MASTER router.

2.2.5 The MASTER Router will restart after the setup is finished. Do not turn off the device until the SYSTEM LED is off!

DIGITUS 1200M Wireless Mesh AP/Router

Setting successfully!

Rebooting! Do not power off the Device.

Please wait 18 seconds ...

3 Use the Mesh Kit

3.1 After the MASTER Router is restart (the SYSTEM led is off), please connect the WAN port to the LAN port of the current wireless router (AP Mode) or the broadband modem (Router Mode) with LAN cable.

| (AP mode) | (Router Mode) |
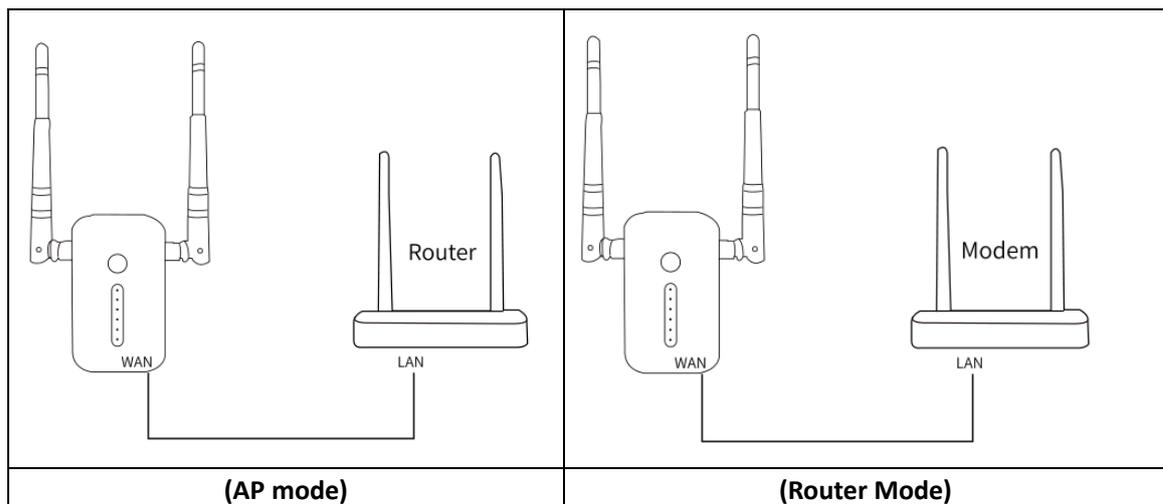
3.2 Plug the Satellite Repeater into the power socket at a right place (around 10 meters).
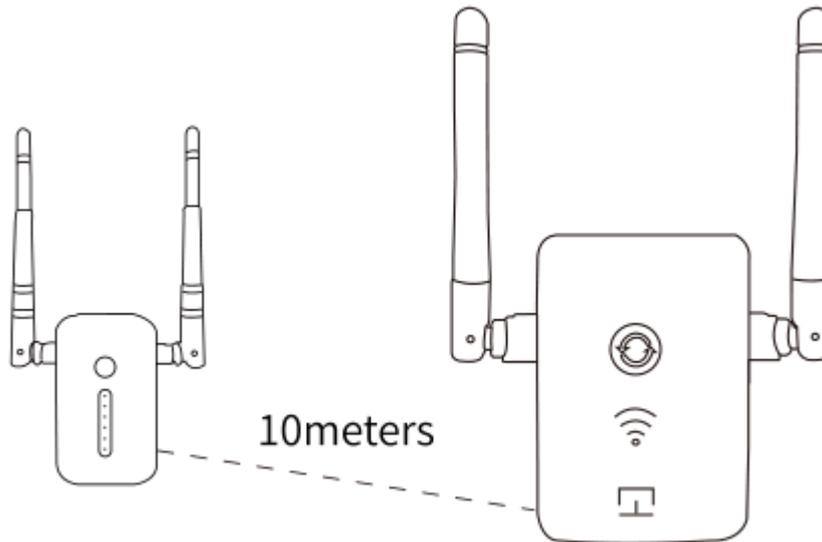
3.3 When the Signal LEDs of satellite repeater are on, you may connect you device to the mesh networking with seamless roaming.

4 Advanced Settings

Note: The advanced setting function can only support the PC user

Enter into advanced setting pages
Please click the blue icon in the right upper corner of the setup page to enter into the advanced setting pages.

4.1 Management interface

4.1.1 Status

Show the current status of the Master Router

4.1.2 Upgrade firmware

Click the UPGRADE FIRMWARE option, select the location where the firmware will be stored, and click Upload to upgrade. Note: Do not power off the device during this process.

4.1.3 Save/Reload setting

Click the SAVE/RELOAD SETTING option, and Save is to save the current settings. The import function is to select the save configuration file. Click Upload to import the configuration, and the user name and password of the previous login setting page will be prompted before importing. The Reset button is to restore the factory settings.

4.1.4 Password

Click the PASSWORD option to change in the message box. You can change the login username and password according to your requirements (you cannot use special symbols). After confirming, click Save & Apply.

4.2 FIREWALL function

4.2.1 Port filtering

Click FIREWALL to select PORT FILTERING and check Enable Port Filtering. Enter the port number in the Port Range box. The restricted port cannot be used. After confirming, click Save & Apply.

4.2.2 IP firewall

Click FIREWALL to select IP FIREWALL, and check Enable IP Filtering. Enter the IP to be filtered in the Local IP Address box, and the filtered IP address will not be able to connect to the Internet. After confirming, click Save & Apply.

4.2.3 MAC filtering

Click FIREWALL to select MAC FIREWALL, check Enable MAC Filtering. Enter the MAC address to be filtered in the MAC Address box, and the filtered MAC address cannot connect to the Internet. After confirming, click Save & Apply.

4.2.4 Port forwarding

Click FIREWALL to select PORT FORWARDING, and check Enable Port Forwarding. Enter the corresponding IP and port number in the message box below. After confirming, click Save & Apply.

4.2.5 URL filtering

Click FIREWALL to select the URL FILTERING check Enable URL Filtering in the URL Address box to enter the limit filtering page. The restricted page cannot be accessed. Click OK and Apply after setting the confirmation page. Clear the browser cache, exit the browser to take effect, and re-open browser access check to take effect.

4.2.6 DMZ

Click FIREWALL to select DMZ and check Enable DMZ. Enter the IP in the DMZ Host IP Address box. After confirming the error, click Save & Apply (remote access to the internal network server through the routed external IP address).

4.2.7 QOS

Click FIREWALL to select QOS and check Enable QoS. In the following information box, set the network assignment according to the actual situation of your network. After setting, click Save & Apply.

4.3 TCP/IP

4.3.1 LAN setting

Click TCP/IP and select LAN SETTING to change the IP address in the identification box. After confirming, click Save & Apply.

4.3.2 WAN setting

Click TCP/IP to select WAN setting in WAN access Type Select the router network mode in the column. After confirming, click Save & Apply.

5 Frequently Asked Questions

How to re-enter settings page?
Take the cable out from the Mesh Master, then unplug and plug the Mesh Master again. When it is successfully activated (SYSTEM light is off), then use your mobile phone or computer connect **SSID: DIGITUS-XXXX**, then input http://digitus.mesh and get into settings page again.

How to do I set up Satellite?
Satellite does not need any settings. After Master router is activated, it will automatically receive setting information from Master Router. Please keep the WiFi signal LED within 2-3 bars to get the better reception from the Master Router.

How do I know the Master Router and 2pcs satellite repeaters are working well?
Go into the setup page. The MAC address (number started with 3C49....) is shown in the bottom. If two MAC addresses are shown, 2pcs satellite repeaters are connected; if only one MAC address is shown, the other satellite is not connected. (It may too far away from the master). Find the MAC address label back on the satellite and check which one is not shown on the setup page. Adjust the distance from the master.

How to go back to factory setting?
Please push the Reset Button for 5 seconds to reset the device.

How to change SSID and password?
After you enter into the setup page, you may input the SSID or password.

Technical description

Frequency Range	2412MHz-2472MHz for 802.11b,g,n/HT20
	2422MHz-2462MHz for 802.11 n/HT40
	802.11a/n-20MHz: 5180-5240MHz
	802.11n-40MHz: 5190-5230MHz
	802.11ac-20MHz: 5180-5240MHz
	802.11ac-40MHz: 5190-5230MHz
	802.11ac-80MHz: 5210
Transmit Power	Master: 15.14 dBm EIRP
	Slave: 15.21 dBm EIRP
Software Version	sdk3.4.11

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