

DPN-BE7212GR User Manual

REV 1.12

BE7200 WIFI7 Router

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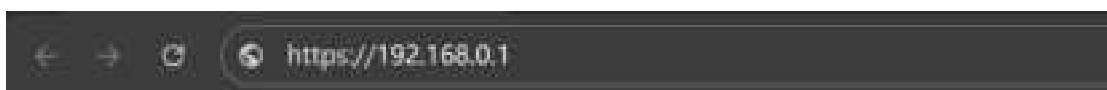
1.1 Login Preparation

When logging in for the first time, it is necessary to confirm the following points:

1. The router has been powered on and started normally, and the LAN port or WIFI is connected to the terminal device.
2. The terminal device has installed at least one mainstream browser, such as Microsoft Edge, Firefox, Chrome, and Safari.
3. The default management IP of the router is `https://192.168.0.1`, and the IP address automatically obtained by the terminal device is `192.168.0.X` (X is any integer between 2 and 254), with a subnet mask of `255.255.255.0`.

1.2 Login Steps

1. Open the browser and enter the default management address of the switch in the address bar `https://192.168.0.1` Log in to the web management interface of the switch.



2. The router login page is shown in the following figure. On this page, enter the user password for the router management account. The default password information can be obtained from the label on the bottom of the device.



3. If you forget your login password, press and hold the reset button on the back of the router for 5-8 seconds to reset it, and then proceed with the configuration in the previous step.

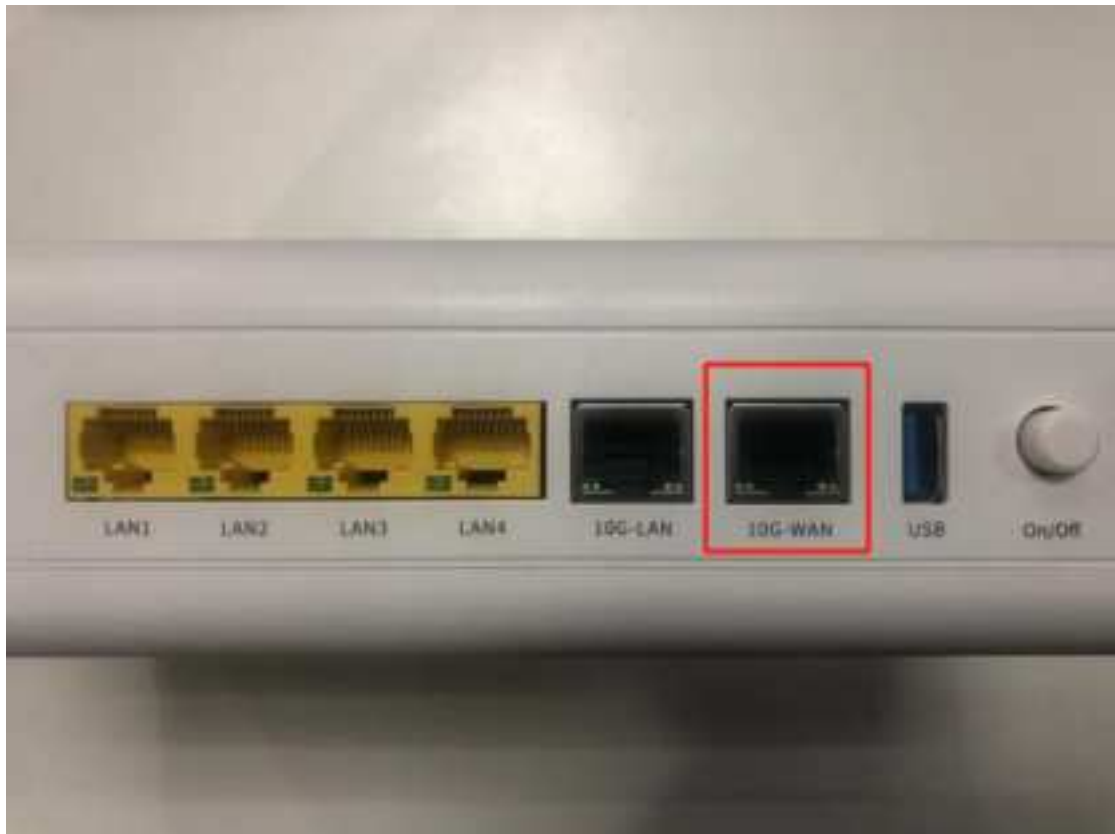


Internet Access Configuration

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2.1 Preparation before configuration

Connect the external network cable to the WAN port of the router.



2.2 Routing Mode-DHCP

The current method is the default internet access method and configuration method of the router, as shown in the following figure. Click “save/apply” to save and take effect.



If you need to configure custom DNS, select “Static” to configure it.



2.3 Routing Mode-PPPOE

Select “PPPoE” for Internet Type, and fill in your username and password information. Click “save/apply” to save and activate.



2.4 Routing Mode-Static IP

Before configuring static IP in routing mode, confirm the IP and subnet mask information of the upstream gateway device. Then, based on the information obtained, fill in the following webpage and click “save/apply” to save and make it effective.



Note: In static IP mode, DNS needs to be configured. You can customize DNS information or use recommended DNS.

2.5 Bridge Mode

In bridge mode, the router is equivalent to a bridge, and the terminal device under it obtains the IP address of the upper level gateway through the current router and accepts the management of the upper level gateway, please follow the steps below to operate.

1. Select “Bridge” mode.



2. Select “Other” service mode.



3. Check the LAN port or SSID that needs to be activated, and click “save/apply” to save and make it effective.

WAN

WAN connection configuration

WAN mode:

ETHERNET

Connection name:

INTERNET_R

mode:

Bridge

Connection mode:

IPV4

MTU:

1500

MTU size:

1

MTU size:

1

Range: 1-4095, 1 indicates Router-ON

MTU size:

0

Service mode:

OTHER

Start status:

☒

Push settings:

☐ Disabled ☒ Enabled

☒ LAN 1

☒ LAN 2

☒ LAN 3

☒ LAN 4

☐ LAN 5

☒ WAN 1

☒ WAN 2

☐ WAN 3

☐ WAN 4

☒ WAN 5

☒ WAN 6

☐ WAN 7

☐ WAN 8

Save/Apply

Default

Wireless Configuration

3

3.1 Wireless basic configuration

Users can configure Basic information of WIFI 2.4G on this page, including Bandwidth, WiFi Mode and other information.



Users can configure SSID information of WIFI 2.4G on this page, including SSID name, Authentication mode, WiFi password, WPS settings and other information.



Users can configure Basic information of WIFI 5G on this page, including Bandwidth, WiFi Mode and other information.



Users can configure SSID information of WIFI 5G on this page, including SSID name, Authentication mode, WiFi password, WPS settings and other information.



3.2 Wireless Guest Network Configuration

Users can configure basic information of WIFI visitors on this page, including SSID, key, Security and other information.



Guest WiFi is not enabled by default. If you need to use it, check the enable box then click the “Apply” button.



LAN Configuration

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4.1 Basic configuration of IPv4 LAN

Each device in the network has a unique IP address, which can be used to log in to the management interface and operate the router. The current page can modify this IPv4 address and also modify the IPv4 address range and other information obtained by the hanging terminal device.



4.2 IPv4 LAN DNS configuration

By configuring the local area network DNS, the downstream terminal can obtain the specified DNS, improving the user's internet experience.



System Configuration

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5.1 Reboot operation

Click “System” → “System” → “Reboot” to enter the reboot configuration page.



Click “Reboot” to pop up a reboot confirmation box. Click “OK” to perform the router reboot operation.



5.2 Reset operation

Click “System” → “Restore Default” to enter the reset configuration page.



Click “Reset” to pop up a restore confirmation box. Click “OK” to perform the router reset operation.

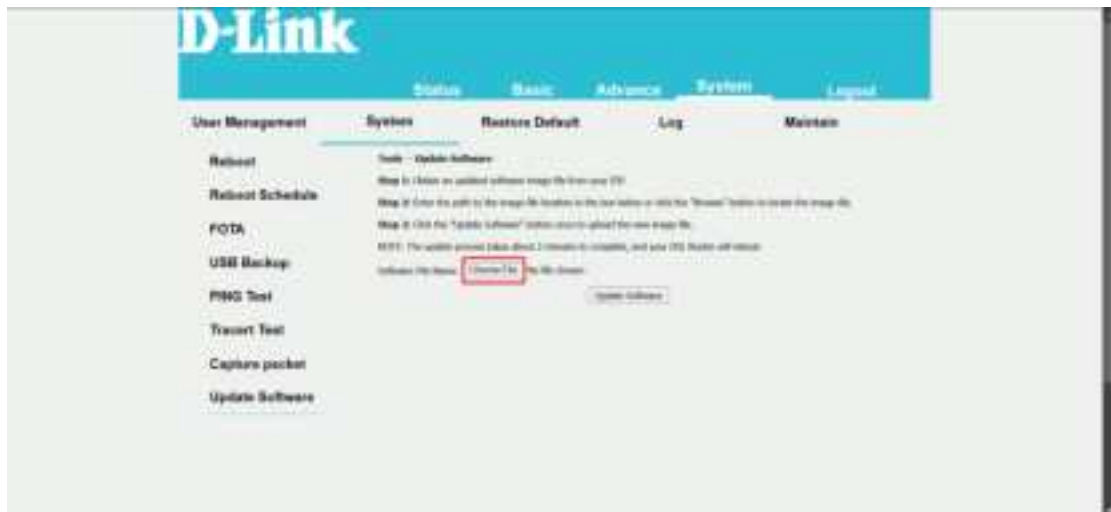


5.3 Local update operation

Click “System” → “System” → “Update Software” to enter the update page.



Click “Choose File” button to choose software.



After selecting, the name of the software to be upgraded will be displayed here.



Click “Update Software” button to start upgrade.



The router will be upgraded and restarted, please wait for two minutes.



5.4 Online update operation

Click “System” → “System” → “FOTA” to enter the online update page.



Confirm that the FOTA function is enabled and set the time period for detecting upgrade, click the “save/apply” button to save the configuration.



The router will check for new version during each set time period, if a new version is found it will automatically upgrade.

Easymesh Configuration

6

Preparations before networking: Two DPN-BE7212GR routers.

6.1 Mesh network by webpage

Click “Basic” → “WLAN” → “Easymesh” to enter the Easymesh configuration page.



If one of the routers is connected to the upstream, it will be automatically recognized as a controller.



Use another router as the agent role. If it is also connected to the upstream, you need to manually select the role as the agent and then click “save/apply” button.

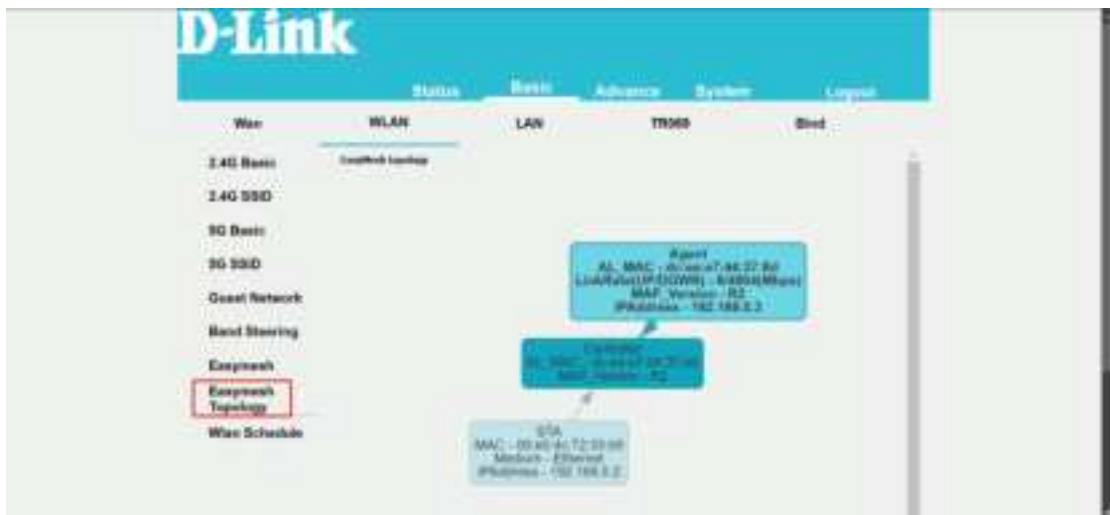


Click the “Trigger WiFi on boarding” button on the Easymesh page of the agent and controller at the same time or click the two buttons at the same time as possible.

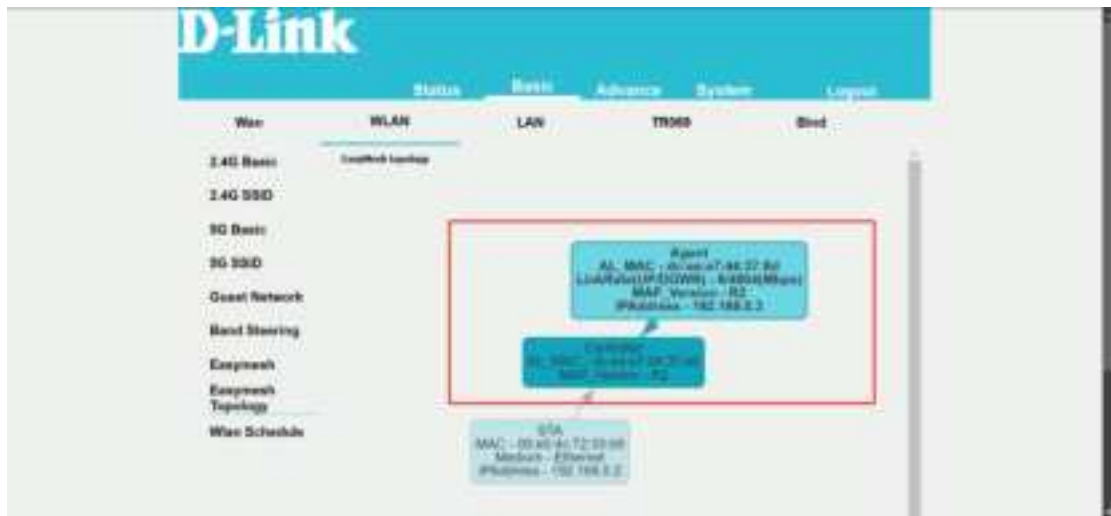




After waiting for about 30 seconds, check the networking status on the EasyMesh Topology page.

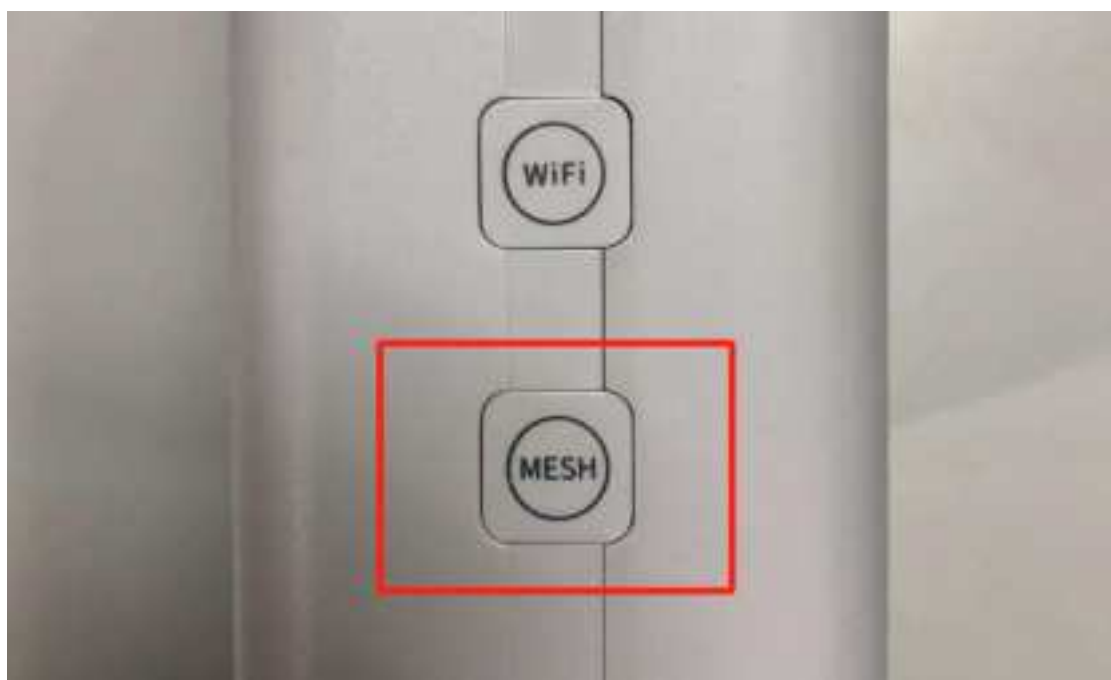


If the mesh networking is successful, relevant role information can be viewed on the topology map.

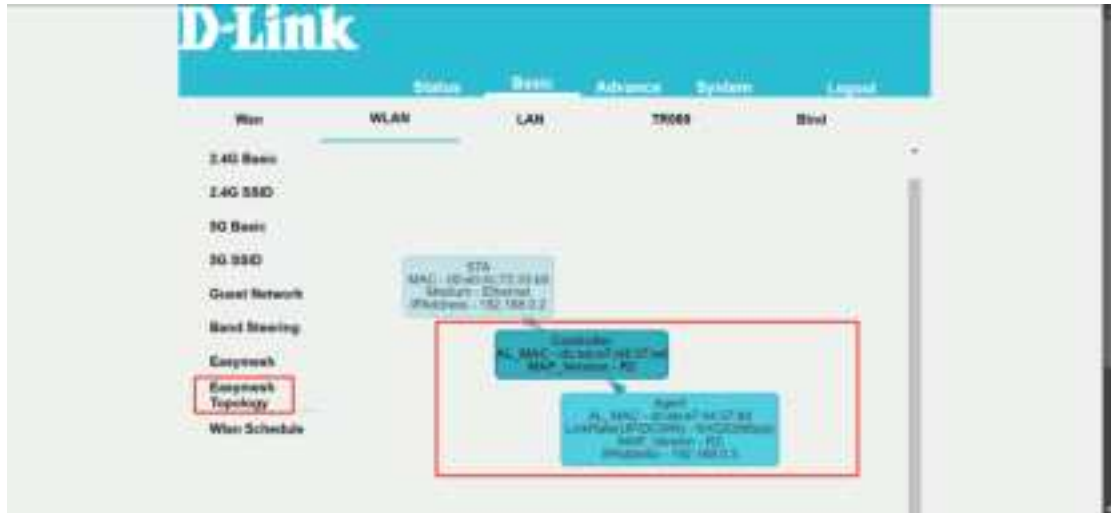


6.2 Mesh network by MESH button

Use one router which connected to the upstream as the Controller role, and another router which not connected to the upstream as the Agent role (or both connected to the upstream but manually set one of them as the Agent role on the webpage). Press the MESH button on both routers simultaneously for about 10 seconds.

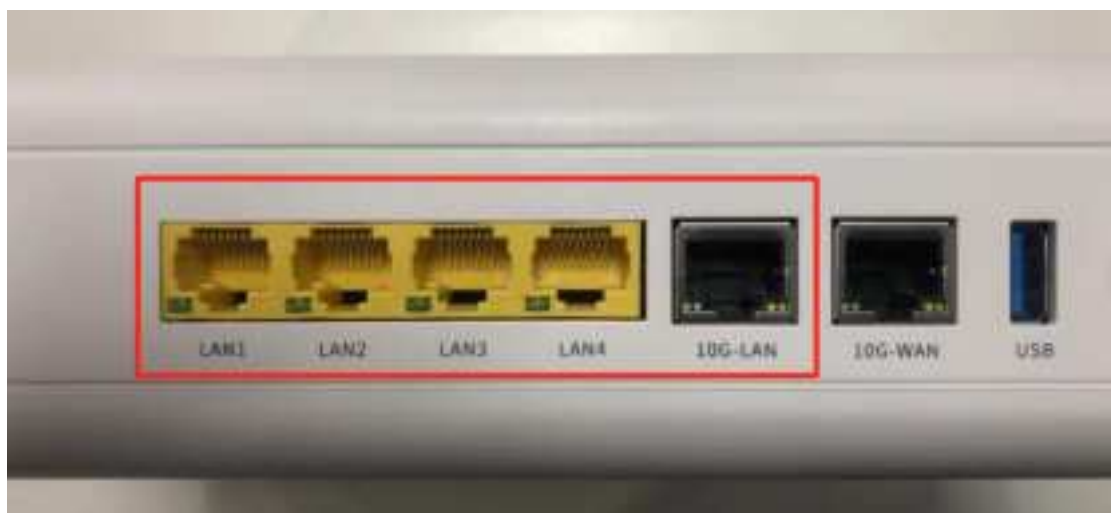


After waiting for about 30 seconds, login to the web account of the Controller role and check if the networking is successful on the Easymesh Topology page.

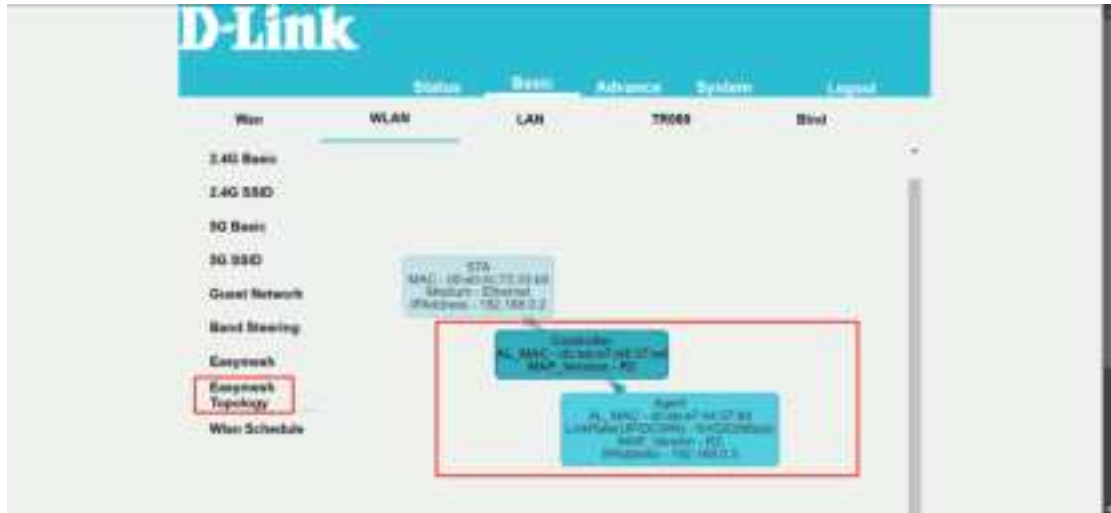


6.3 Mesh network by wired

Use one router which connected to the upstream as the Controller role, and another router which not connected to the upstream as the Agent role (or both connected to the upstream but manually set one of them as the Agent role on the webpage). Connect any LAN port of two routers by ethernet cable.



After waiting for about 30 seconds, login to the web account of the Controller role and check if the networking is successful on the Easymesh Topology page.



VPN Configuration

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7.1 VPN settings

Click “Advance” → “NAT” → “VPN manager” to enter the VPN configuration page.



Check the “Enable” option box, choose the “VPN protocol”, fill in “Service Address”, “User name” and “Password”, click “Save/Apply” button.



After submitting the configuration, you can view the VPN status information on the current page.

