DIGITUS®

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



User manual DN-7071

Content

1 Product Introduction	3
1.1 Feature	3
1.2 Package content	
1.3 Indicator and button Description	4
1.3.1 Know about the indicator and button of Master Router	4
1.3.2 Know about the satellite repeater	5
2 Start to setup and use	6
2.1 Setup via mobile phone	6
2.2 Setup via PC (windows)	
3 Use the Mesh Kit	
4 Advanced Settings	14
4.1 Management interface	15
4.1.1 Status	
4.1.2 Upgrade firmware	
4.1.3 Save/Reload setting	
4.1.4 Password	
4.2 FIREWALL function	
4.2.1 Port filtering	
4.2.2 IP firewall	
4.2.3 MAC filtering	
4.2.4 Port forwarding	
4.2.5 URL filtering	
4.2.6 DMZ	
4.2.7 QOS	
4.3 TCP/IP	
4.3.1 LAN setting	
4.3.2 WAN setting	
5 Frequently asked questions	

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)

WLAN		CONTRACT
AN		Signal strength
AN+ nanced Internet experience	On >	Encryption type
LABLE NETWORKS		12345678
, encrypted (available)		Show advanced options
2.4G encrypted (available)	<u></u>	
encrypted (no Internet access)		
E-2.4G ed		
VA-2.4 oted		
ITUS-002E(2.4G) ypted (WPS available)	(î.	
Scan WLAN Direct Configure	More	CANCEL

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)

器 Search or type URL) Q
Authentication Info	
Username digitus	
Password	
Cancel OK	

2.1.3 In the setup page, you may see two function option: the default is AP

mode and another is Router mode

⊕ go home C						
DIGITUS 1200M Wir	eless Mes	sh AP/R	outer			
AP Mode(Co	nnect to R	outer)				
Router Mode(C	Router Mode(Connect to Modem)					
Name of 5G SSID:	DIGITUS-	002E				
Wireless Password:	12345678					
Name of 2.4G SSID:	DIGITUS-	002E				
Wireless Password:	12345678	1				
F	inish					
Since ((((Master since (((((((((((((((((((
Satellites	Mesh	Node				
master 000c43c00030						
< >	=	\bigcirc	1			
\triangleleft	0					

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.

🌐 go home		C	🌐 go home	C		
CITETIUS 120000 Wir AP Mode(Co Router Mode(Co	elass Mash AP/Route onnect to Router) Connect to Modem)	C .	AP Mode(C	reless Mesh AP/Router onnect to Router) Connect to Modem)		
Name of 5G SSID: Wireless Password: Name of 2.4G SSID: Wireless Password:	DIGITUS-002E 12345678 DIGITUS-002E 12345678		Connection Type:PPPOEName of 5G SSID:DIGITUS-002EWireless Password:12345678Name of 2.4G SSID:DIGITUS-002E			
((((Satellites	Finish Kuster Wesh Node master 000c43c00030	α	Wireless Password:	12345678 Finish Nodem Mesh Node		
< >		1	< >	\equiv $($ 1		
\triangleleft	0		\bigtriangledown	0		

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!



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)**

Not connected	÷,			
Connections are available		=		
Dial-up and VPN	^			
Broadband Connection				
Wireless Network Connection 7	^			
DIGITUS-002E	.ul			
OFFICE-2.4G	ա			
OFFICE-5G	ա			
netway_5G_400008	all			
TEST-2.4G	лI			
T800	.atl	-		
Open Network and Sharing Cer	nter			
Connect to a Network				x
Type the network security key				
Security key: 12345678 Hide characters				
You can also connect button on the router.	t by push	ing the		
		OK	Can	cel

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).

http://digitus.mesh	ρ - c × O digitus:mesh ×
View Favorites Tools Help	
gested Sites 👻 🧿 Web Slice Gallery 👻	
	Windows Security
	The server digitus.repeater at digitus requires a username and password.
	Warning: This server is requesting that your username and password be
	sent in an insecure manner (basic authentication without a secure
	connection).
	digitus
	12345678

2.2.3 In the setup page, you may see two working mode option: the AP mode and the Router mode.

OK Cance

	eless mesu	AP//KOUGEP
	O Router Mode(Connect to Modem)	0
DIGITUS-002E		
12345678		
DIGITUS-002E		
12345678		
		Finish
– – – Master	Satellites 000c43c00030 00e04c819707	Mesh Node master 000c43c00030
	DIGITUS-002E 12345678 DIGITUS-002E 12345678 Master	Router Mode(Connect to Modem) DIGITUS-002E I2345678 DIGITUS-002E I2345678 Satellites 000c43c00030 00e04c819707

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.



DIGITUS 1200M Wireless Mesh AP/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!



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.



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.

DIGITUS 1200M Wireless Mesh AP/Router					
 AP Mode(Connect to Router) Name of 5G SSID: Wireless Password: Name of 2.4G SSID: Wireless Password: 	DIGITUS-002E 12345678 DIGITUS-002E 12345678	Router Mode(Connect to Modem)	•		
Router	———— Master	Satellites 000c43c00030 00e04c819707	Hnish Mesh Node master 000c43c00030		

NOME TCP/IP FIREWALL MANAGEMENT STATUS Uptime 0day:0h:2m:51s Firmware Version v3.4.11d Build Time Wed Dec 12 12 13:15:14 CST 2018 SG Configuration SSID DIGITUS-002E Channel Number 44 BSSID 00:e0:4c:2a:55:8f Z4G Configuration SSID DiGITUS-002E Ghannel Number 11 BSSID 00:e0:4c:2a:55:8f Z4G Configuration SSID DiGITUS-002E Ghannel Number 11 BSSID 00:e0:4c:2a:55:8d MARAGEMENT MAC Address 00:e0:4c:2a:55:8d WARC Address WARC Address 00:e0:4c:2a:55:8d WARC Address MAC Address 00:e0:4c:2a:55:8d WARC Address MAC Address 00:e0:4c:2a:55:8d WARC Address		3 1200M	1 Wireless (Mesh AP/	Router
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Subnet Mask0.0.0.0Default Gateway0.0.0.0MAC Address00:e0:4c:2a:55:8e		IP Address	0.0.0.0		
Default Gateway 0.0.0.0 MAC Address 00:e0:4c:2a:55:8e		Subnet Mask	0.0.0.0		
MAC Address 00:e0:4c:2a:55:8e		Default Gateway	0.0.0.0		
		MAC Address	00:e0:4c:2a:55:8e		

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 <u>http://digitus.mesh</u> 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.

DIGITUS 1200M Wireless Mesh AP/Router

Name of 5G SSID:			
	DIGITUS-002E		
Wireless Password:	12345678		
Name of 2.4G SSID:	DIGITUS-002E	Change it	as your needed
Wireless Password:	12345678	i la	
		-	Finish
		Satellites	Mesh Node
		000c43c00030 00e04c819707	master 000c43c00030
Router	Master		

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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