

MESH Router Instruction for Senior Tech

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TECHNICAL SPECIFICATIONS


Wi-Fi	2.4G - 300 Mbps 5G - 867 Mbps
2.4G	2T x 2R (IEEE 802.11a/b/g/n)
5G	2T x 2R (IEEE 802.11a/n/ac)
ANTENNA	High-performance WHEMS antenna
CPU	1GHz
WAN	1000Base-T Ethernet x 1
RAM	128 MB DDR2
LAN	1000Base-T Ethernet x 1
FLASH	1 Gb
AP	Yes
MESH	Yes
USB 2.0	Yes
POWER	12V / 1.5A
SIZE	100x100x125.5 mm

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1. Logon the MESH M2 Router remotely.

If need Local Logon, connection shall be: MESH/LAN port-LAN port/PC.

10.1.44.30:55555



Welcome to the Wi-Fi system

Router Admin Password

.....

Login

2. if need pair the Bee/Second MESH Router, click: My Wi-Fi-manage the Router.

My Wi-Fi

Manage the Router

Devices

Internet

Settings

Advanced settings

Upgrade Firmware

Devices (1)

show how many devices at home now.

CIK-Mesh-0052

Internet

Mesh Topology / List

Add a node

Connection quality

Excellent

Fair

due to the Router color is green, seems the connection quality is excellent.


M2-0052

3. add a node (Bee).


- 1). Click “ Add a node” .
- 2). Select add a “Bee” or M2 Router.

Please choose the node type you want to add

M2 Bee Wi-Fi Mesh Node



M2 Standalone Wi-Fi router



Next

3). Follow up the instruction by system till the Bee/wifi node has been added to M2 Router.



Check the indicator light

1. Click the "Reset" button on the node after it powers on
2. Click "next" after the node's indicator light blinks red



Back

Next

Need wait till the Light on Bee is Red Blinking(in beginning, after pressed "reset" button on Bee, the Light is"Red-Blinking -> Green Blinking-> Red-Blinking -> Green Blinking..., if the light pattern like this, the Router won't find the Bee/second MESH Router, tech can let cx reboot the Bee/ second MESH Router once, but if the Light still be : Red-Green-Red Blinking, then hold the "Reset" for 40-60 seconds, then reboot the Bee/second MESH Router again, till the Light on Bell is slow Red-Blinking , then click "Next", system will find the Bee and added to Router.

Add a node



Need check the device which you found , and SN shall be matched on device side.



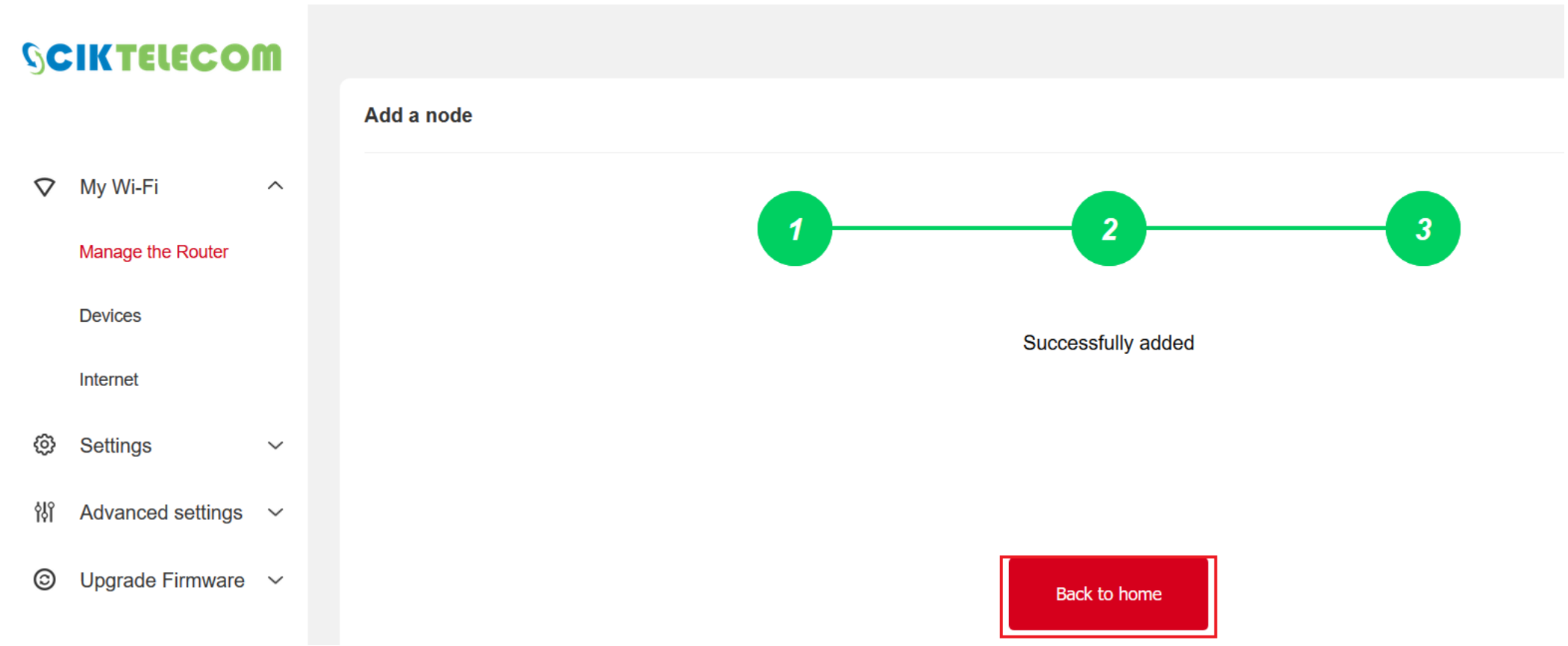
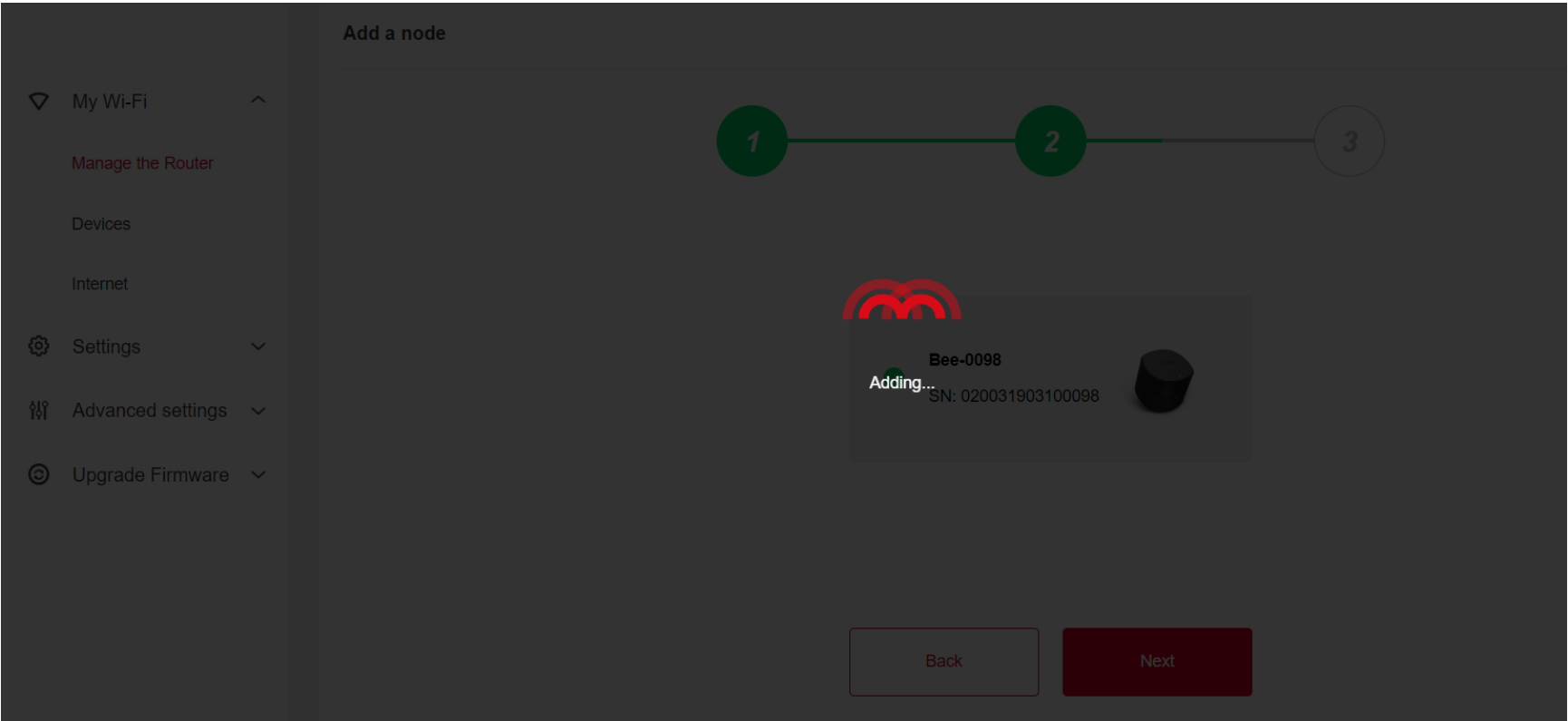
M2-0287

SN: 010031903200287



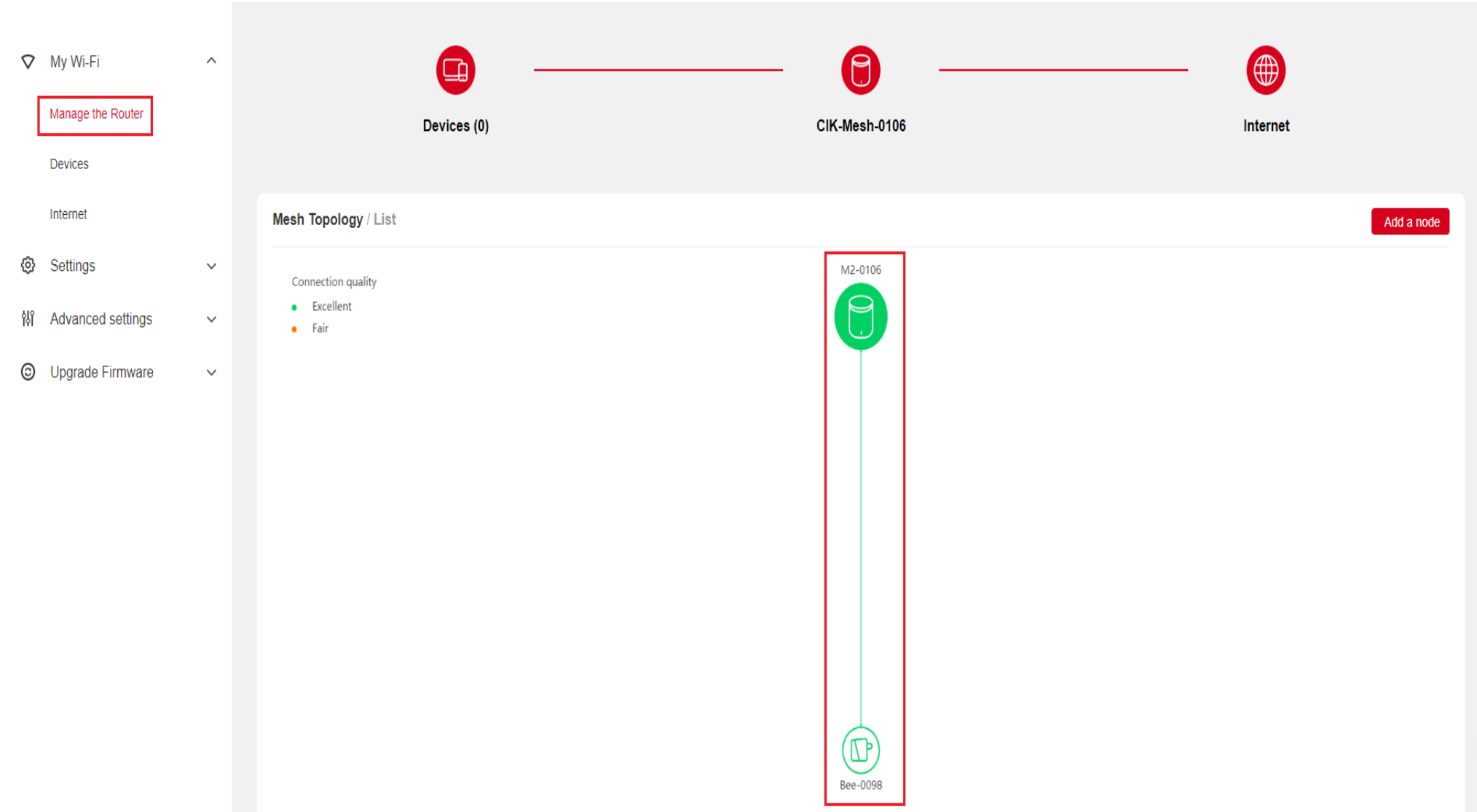
Back

Next



After the Bee has been added to Router successfully, click” Back to home”, then we can find the Bee connecting to the Router.

As long as the Bee/second MESH Router is connected to Master MESH Router with good Internet connection, the Light on the Bee/second MESH Router is Solid Green, Otherwise means the Bee/second MESH Router lost Internet connection when the Light Turned to Red.



4. Click: My Wi-Fi- Devices. review the DHCP Table for real time devices connection list. we can see all of the devices which connected to MESH by which band, realtime speed and usage/total traffic, IP/MAC, Parental Control/Limit: set connection time, speed limit and website blacklist; block device/Add to Blacklist which you doesn't want it connect to MESH.

My Wi-Fi

Manage the Router

Devices

Internet

Settings

Advanced settings

Upgrade Firmware

Devices (2)

CIK-Mesh-0052

Internet

Devices

this is the devices connecting to M2 Router, with device name, by 2.4G/5G, speed and usage with private IP/MAC ID

Device	Realtime speed	Total traffic	IP / MAC	Limit	Actions
MIMAX2-CAD 5G 1 minutes ago	↑ 0.5 KB/s ↓ 2.8 KB/s	173.8KB	192.168.12.100 e4:46:da:e7:da:cc		Add to Blacklist
Intel 5G 2 hours ago	↑ 0.0 KB/s ↓ 0.0 KB/s	4.6MB	192.168.12.101 14:ab:c5:22:2e:28		Add to Blacklist

5. Click: My Wi-Fi- -Internet, check Internet Connection status .

My Wi-Fi

Manage the Router

Devices

Internet

Settings

Advanced settings

Upgrade Firmware

Devices (1)

CIK-Mesh-0106

Internet

WAN network status

Internet Settings: DHCP IP: 192.168.106.104

Netmask: 255.255.255.0 DNS: 204.197.191.194/38.117.85.2

Gateway: 192.168.106.1

Realtime network status

Download: ↓ 0.5 KB/s

Upload: ↑ 0.5 KB/s

0.5 KB/s

Peak download

0.5 KB/s

Peak upload

Devices traffic statistics

↓ 44.1 MB Total download

↑ 4.2 MB Total upload

Speedtest

customer can test speed by MESH

Router status

Uptime: 00 : 33 : 29

6. Click: My Wi-Fi- Wifi Settings, customer can change wifi settings.

- My Wi-Fi ▼
- Settings ▲
- Wi-Fi Settings
- Internet Settings
- Admin Password
- Blacklist
- Timezone
- Advanced settings ▼
- Upgrade Firmware ▼

Please set Wi-Fi name and password

Wi-Fi name

customer can change SSID ➡

CIK-Mesh-0106

Wi-Fi password

customer can change WIFI password ➡

.....



⬅ click this button to show/hide password

Hide SSID ?



Smart Connect ?






⬅ if enable the "Smart Connec, means MESH only broadcast one SSID: CIK-Mesh-****, not separate the WIFI 2.4G Sync from WIFI 5G.

2.4G: CIK-Mesh-0106

5G: CIK-Mesh-0106-5G

Save

7. click: My Wi-Fi- Internet Settings, customer can change the Internet Connection Type and DNS Settings.

-  Settings ^
- Wi-Fi Settings
- Internet Settings
- Admin Password
- Blacklist
- Timezone
-  Advanced settings v
-  Upgrade Firmware v



Your Internet works properly

Internet Settings: DHCP

IP: 192.168.106.104

Netmask: 255.255.255.0

Gateway: 192.168.106.1

DNS: 204.197.191.194/38.117.85.2

Internet Settings

Internet Settings

DHCP ▲

DHCP

PPPoE

Static IP

customer can change the Internet connection type by 3 options: DHCP/PPPoE/Static IP.

Save

Internet Settings

Admin Password

Blacklist

Timezone

Advanced settings

Upgrade Firmware

Your Internet works properly

Internet Settings: DHCP

IP: 192.168.106.104

Netmask: 255.255.255.0

Gateway: 192.168.106.1

DNS: 204.197.191.194/38.117.85.2

Internet Settings

Internet Settings

DHCP

For users with DHCP

Automatic DNS

Manual DNS

DNS

0.0.0.0

DNS (optional)

0.0.0.0

Save

Set Primary DNS Server Address

Set Secondary DNS Server Address

8. click: My Wi-Fi- Admin Password, customer can change new ADMIN password, we suggest customer not change it.

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My Wi-Fi

Settings

Wi-Fi Settings

Internet Settings

Admin Password

Blacklist

Timezone

Advanced settings

Upgrade Firmware

Router Admin Password

Set new password

Please enter

Save

Set New Admin Password

9. click: My Wi-Fi- Blacklist, check the device list which added to Blacklist, or remove device under blacklist.

Device	MAC	Actions
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Empty



My Wi-Fi

Settings

Wi-Fi Settings

Internet Settings

Admin Password

Blacklist

Timezone

Advanced settings

Current timezone

(GMT-05:00)EasternTime(US&Canada)

Set timezone

(GMT-05:00)EasternTime(US&Canada)

Save

11. Click: Advanced Settings-port forwarding, customer can set the port forwarding by customer self.

My Wi-Fi

Settings

Advanced settings

Port forwarding

DMZ Host

DHCP

Static DHCP lease

Clone MAC address

DDNS

VPN

Network Diagnosis

Upgrade Firmware

Port forwarding

Protocol

TCP&UDP

TCP

UDP

Name

Please enter

Remote IP (optional)

Empty means any

Remote port range

Please enter

Please enter

Local IP

Please enter

Local port range

Please enter

Please enter

Save

12. Click: Advanced Settings- DMZ Host, customer can set DMZ settings .

My Wi-Fi

Settings

Advanced settings

Port forwarding

DMZ Host

DHCP

Static DHCP lease

Clone MAC address

DMZ Host

DMZ Host IP

Please enter

Enable

if customer want to set DMZ, then need check "Enable" Box.

Save

13. click: Advanced Settings-DHCP, customer can change the Local IP Address/ Range and lease time.

My Wi-Fi

Settings

Advanced settings

Port forwarding

DMZ Host

DHCP

Static DHCP lease

Clone MAC address

DDNS

VPN

DHCP

Router LAN IP

192.168.12.1

DHCP IP Pool

192.168.12.100

192.168.12.199

Lease

8 hours

Save

14. Click : Advanced Settings-Static DHCP Lease. Customer can set Static DHCP Lease for specific device.

My Wi-Fi

Settings

Advanced settings

Port forwarding

DMZ Host

DHCP

Static DHCP lease

Clone MAC address

DDNS

VPN

Static DHCP lease

Devices

Name

Please enter

Required

MAC

Please enter

Required

IP

Please enter

Required

Save

15. Click: Advanced Settings-Clone MAC address. Customer can set MAC Clone.

- My Wi-Fi
- Settings
- Advanced settings
- Port forwarding
- DMZ Host
- DHCP
- Static DHCP lease
- Clone MAC address
- DDNS
- VPN

Set WAN MAC

☐ Default MAC
f8:27:2e:03:51:b1

☒ Customized MAC

Please enter

Save

16. set DDNS by Click: Advanced Settings-DDNS. We suggest customer keep use CIK DNS except customer has to change it.

- My Wi-Fi
- Settings
- Advanced settings
- Port forwarding
- DMZ Host
- DHCP
- Static DHCP lease
- Clone MAC address
- DDNS
- VPN
- Network Diagnosis

DDNS

Service provider ☒ DynDNS ☐ Oray

Domain name

Please enter

Username

Please enter

Password

Please enter

☐ Enable

Save

17. set VPN Settings by click: Advanced settings-VPN. If customer want to set VPN under MESH Router, customer need consultant with Own VPN Tech Support.

My Wi-Fi

Settings

Advanced settings

Port forwarding

DMZ Host

DHCP

Static DHCP lease

Clone MAC address

DDNS

VPN

Network Diagnosis

Upgrade Firmware

VPN

Name

Please enter

Protocol

PPTP

Server

Please enter

Username

Please enter

Password(optional)

Please enter

Request MPPE Encryption

Request MPPC Compression

Save

18. MESH Router provide 3 of NETWORK Command to conduct network diagnostics.

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My Wi-Fi

Settings

Advanced settings

Port forwarding

DMZ Host

DHCP

Static DHCP lease

Clone MAC address

DDNS

VPN

Network Diagnosis

Upgrade Firmware

Network Diagnosis

Tool

ping

ping

traceroute

nslookup

Start

19. for now, CIK only support online firmware upgrade instead of Local firmware Upgrade.

- My Wi-Fi
- Settings
- Advanced settings
- Upgrade Firmware
 - Online Upgrade
 - Offline Upgrade

Online Upgrade



You're using the latest version