

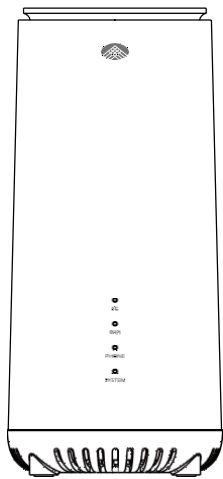
Quick Start Guide

Setting up your 5G Home Router

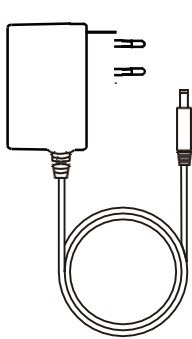


NCM2000B2-D299

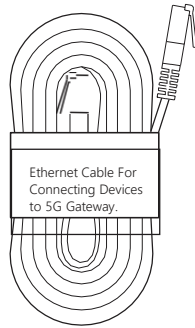
Package Contents



NCM2000B2-D299

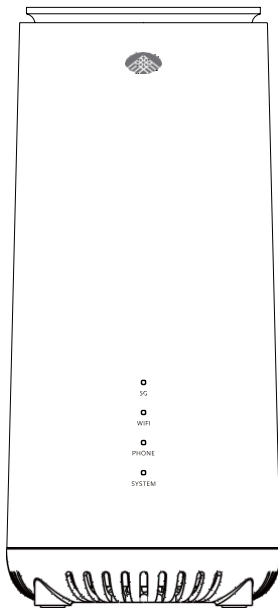


Power adapter



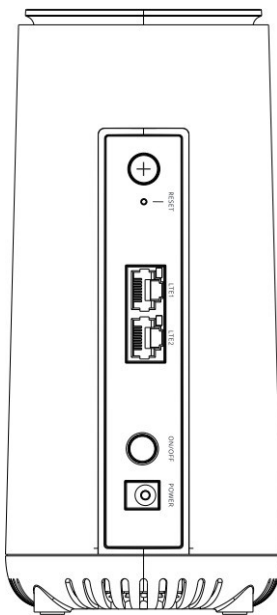
Ethernet cable

Indicators and Connectors



Front Panel

- 5G
- WiFi
- Phone
- System



Rear Panel

- WPS Button
- Reset Button
- 2 LAN Ports
- Phone Port
- ON/OFF Switch
- Power Connector

Interface	Description
WPS Button	This button allows your device to join the WiFi network without typing password.
Reset Button	Press the button with a paper clip for at least 5 seconds to reset to factory default.
LAN Ports	Connectors for local networked devices.
Phone	Standard RJ11 connector for the telephone.
ON/OFF Switch	Press the switch to provide power to the 5G Gateway.
Power Connector	Connect the power adapter to the power connector.

LED Behavior

Indicator	Description	System (Grp4)	LED (Grp3)	WiFi (Grp2)	LTE/5G (Grp1)
System	System shutdown	Off	Off	Off	Off
	System Booting	Red, Solid	Off	Off	Off
	System Error	Red, Solid	Off	Off	Off
	System Ready	Green, Solid			
	Firmware Update	R/G, alt. Blinking	Off	Off	Off
RAT	LTE Register				Orange, Slow Blinking
	LTE Ready				Orange, Solid
	5G Ready				Green, Solid
	Connection Error				Red, Solid
WiFi	WiFi Turned On			Green, Solid	
	WiFi Turned Off			Off	
	WiFi Error			Red, Solid	
	WPS Query			Green, Blink	
	WPS Finish			Green, Solid	
LAN	Ethernet Unavailable		Off		
	Ethernet Available		Green, Solid		

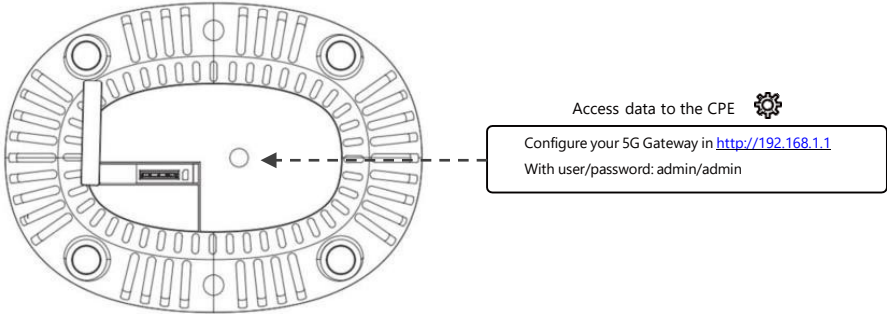
Note: Press the WPS Button less than 5 secs to enter query mode. It will show signal level in 5 secs.

Indicator	Level	System (Grp4)	LED (Grp3)	WiFi (Grp2)	RAT (Grp1)
RAT Signal Strength Level	Good Signal	Green, Solid	Green, Solid	Green, Solid	Green, Solid
	Fair Signal	Green, Solid	Green, Solid	Green, Solid	Off
	Bad Signal	Green, Solid	Green, Solid	Off	Off
	No Service	Green, Blink	Off	Off	Off
	No SIM Card	Red, Solid			

RAT Signal Range	No Service	RSSI <-100	RSRP <-125(LTE)	RSRP <-105(5G)
	Bad	-100 <= RSSI < -88	-125 <= RSRP < -106	-105 <= RSRP < -90
	Fair	-88 <= RSSI < -76	-106 <= RSRP < -86	-90 <= RSRP < -75
	Good	-76 <= RSSI	-86 <= RSRP	-75 <= RSRP

Hardware Setup

1. Connect the power adapter to the **Power Connector** of your 5G Gateway.
2. Plug the power adapter into the electrical outlet.
3. Use the Ethernet cable to connect your computer to the **LAN Port**.
4. Open the bottom rubber cover and insert the SIM card into the SIM card slot.
5. Push the **ON/OFF Switch** on the rear panel to power on your 5G Gateway.

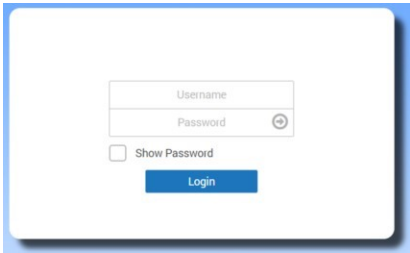


GUI Login

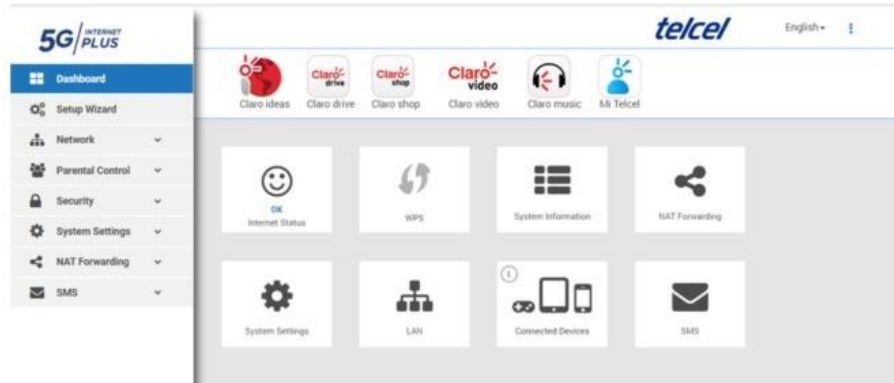
1. Start your web browser and type the private IP address <http://192.168.8.1> on the URL field.



2. Log into the Web UI, the username and the password is located on the bottom of your 5G Gateway.

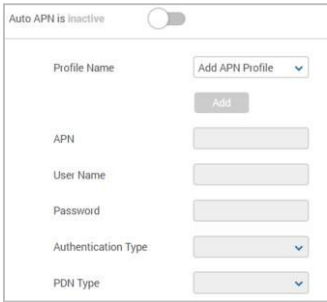
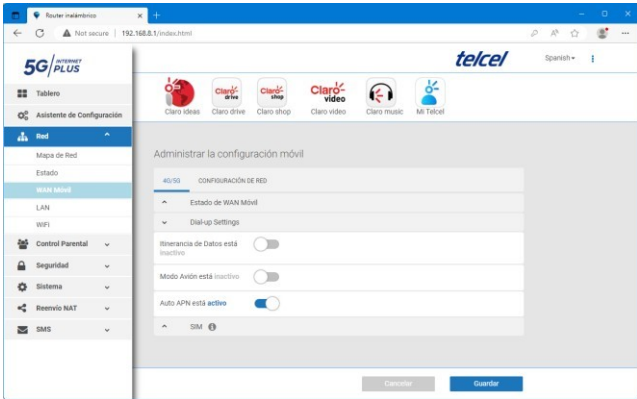


3. Your 5G Gateway comes with an intuitive Web User Interface (Web UI) that allows you to easily setup its features.



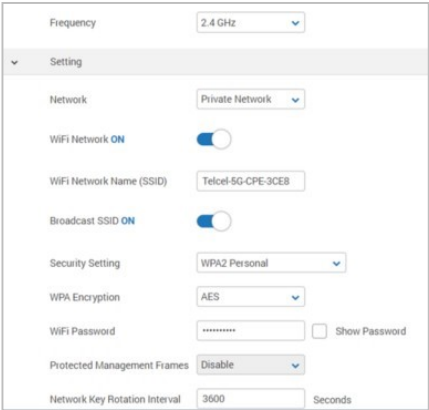
5G connection settings

- 1. etwork → Mobile-WAN → 4G/5G.
- 2. The SIM status, APN, and PIN related settings are here
- 3. To Change APN (Access Point Name) Profile. Disable auto APN.
- 4. Add new APN manually, edit & save

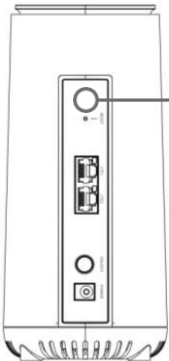


WiFi connection settings

- 1. Network → WiFi → Basic.
- 2. Select Frequency → 2.4GHz / 5GHz
- 3. Select Network, Security Setting.
- 4. Edit WiFi Network Name (SSID), Password and Network Key Rotation Interval.



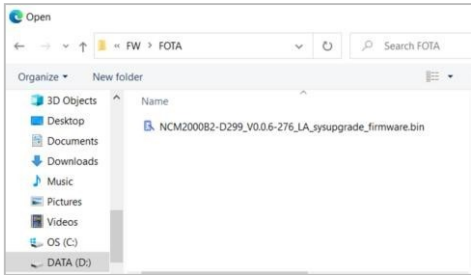
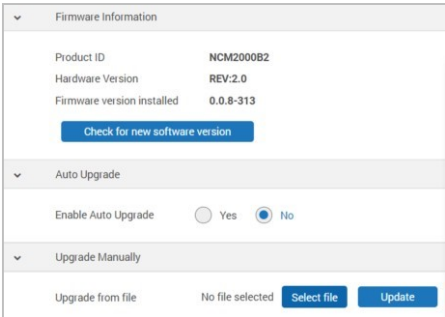
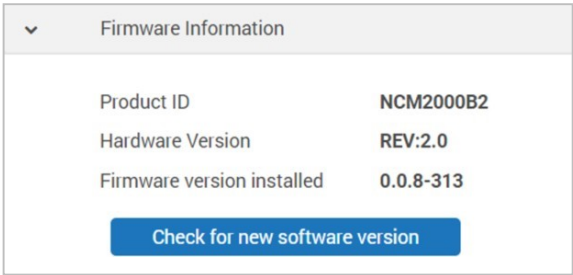
5. WPS Button



This button allows your device to join the WiFi network without typing password.

Firmware update

- 1. System Settings / Firmware Update.
- 2. Disable **Auto Upgrade** and click **Select file**
- 3. Open file “FOTA_NCM2000B2_D299_VX.X.X.bin” to update.
- 4. Click **Start firmware update**. Then check new firmware version is correct.



Regulatory statement

Marca/Brand: ASKEY
Producto/Product: 5G Home Router
Modelo/Model: NCM2000B2–D299

Declaración Regulatoria de México:

La operación de este equipo está sujeta a las siguientes dos condiciones:

(1) es posible que este equipo o dispositivo no cause interferencia perjudicial y

(2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

FCC Regulatory Statement:

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

For product available in the USA market, only channel 1~11 can be operated. Selection of other channels is not possible.

Operations in the 5.15–5.25GHz band are restricted to indoor usage only.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

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.