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ALFA AX5GRM 5GNR Global Band Wi-Fi 6 Router Installation Guide

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AX5GRM Quick Installation Guide

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Package Contents



4. Power adapter 12 V/2 A x1



2. 4G/5G Antenna x4





3. WiFi6/7 Antenna x4



Interface and outline



WiFi Antenna and RSMA connector



5GNR/4G LTE Antenna and SMA connector



CPE LED Indicate



Item	LED Indicator / Interface	Descriptions			
1	Power Indicator (Blue)	On – Power on Off – No power			
2	Internet (Blue)	On – Internet Online Off – No Internet Access			
3	WIFI (Blue/Green)	On – WiFi On (Green) Blinking – WPS processing (Blue)			
4	SIM card(Green)	On – With SIM card Off – Without SIM card			

How to Login to Setup

Open web browser and key in https://192.168.63.1

ALFA NETWORK	
Account	
Login	
Copyright @ 2023 ALFA Network Inc. AX5GRM PC UI:v0.0.141.60	

Account: admin Password: ALFASG

If log in successful, will into Dashboard to check device status

Dishboard		Traffic	in.	CPU Usage 48°C	System Information
	-	Internet			Time Zone
	-	0.008		3%	System Time
	1.	0.007	1		Uptime
		1.006			3 days 1 for 14 min 4 sec.
		1.00		Harrison and the	Model Name
	15	280 280 280 280 280 280 280 280 280 280	and and		Host Name
	~	() Tx (Mb/k) 🔵 Rx (Mb/k)			SW / UI Version
Aministration	199			45%	1.0.2/0.0.341.60

If you want to check AXSGRM connect to 5GNR or not, please go to Dashboard->Find 5G_NR icon 5G_NR and

	<u>^</u>					t) (d)	admintedmin
20 Deshboard	Singal Informatio	•					*
A. However and	Type	LTE PCC	LTE SCC 1	LTE SCC 2	NR PCC		
	Band	83	87	Bő	N78		
🗢 Wreisss LAN	BandwidthDL	20MHz	20MHz	10MHz	90MHz		
	BandwidthUL	20MHz	NA	NA	90MHz		
O Internet	EARFCN	1750	3050	3750	630912		
	Himo DL	1	2	0	4		
O Firmedi	Mimo UL	1	NA	NA	1		
A	Hodem Access	LTE + NR	LTE + NR	LTE + NR	LTE + NR		
	ModulationDL	QP5K	64QAM	BPSK	256QAM		
< ma	ModulationUL	64QAM	NA	NA	16QAM		
	PCI	33	33	33	33		
O System Settings	RSRP	-79 dBm	-89 dBm	-70 dBm	-93 dBm		
and some second s	RSRQ	-7.5 dB	-6.5 dB	-6.0 dB	-11.0 dB		
😁 Administration	RSSI	12-20223	-	-	-		
	SINR	13.5 dB	13.5 dB	13.5 dB	13.5 dB		

When Dashboard Signal Information showed NR PCC Band info means AX5GRM connect to 5G NR successful.

How to setup Internet



When you insert valid and unlock SIM card from Telcom, the device will auto connect to Internet without setting. If special Telcom SIM card need to set APN, you need to go to Internet item to setup it

Please go to Internet->IPv4->5G_NR press setting icon >>APN Setting ->press edit icon to edit the parameter when ready, please press "Save" button and Return to front page, press "Apply" button to effect the setting.

Deshboard					
& Wred LAN		Connect	SIM Lock	Network Type	APN Settings
Wroless LAN	14	-		illen in Greek	
a internet		Edit Profile			
	-	DefaultAFN			
6 vm		APB internet		0	
5 IDV6		Auth Type None			
Sistem Settings	-	Username			
Alministration		Passwari			
		PDP(IP) 'ype			

PS. If you want to use Wired WAN(Fixed line ex FTTH, xDSL), please go to WAN item to set up it. The device default WAN it 5GNR/4G LTE (Mobile)WAN.

How to Setup wifi

							ø	. 0	admin(admin) -
n Inshboard	Wireles: The Greners	s LAN	- Ge lows ye	neral Settings	ttirgs.				
ViniessLAN + Deseni Settinus	Interface U	ist.							
Guest Network	Radio	СН	855	SSID		Encryp Type	Mode		
WPS		Auto		@ AXSGRM-2.4G-445c	* 1	A WPA2/WPA3	.		• 🖸
U hewall -		Auto		@ AX5GRM-5G-445c	++	& WPA2/WPA3			0 ×
96 VN -									

Device with system default WiFi SSID (AX5GRM-2.4G-XXX and AX5SGRM-5G-XXX) and default password (12345678) both on WiFi 11AX 2.4 GHz and 5 GHz. If you want to change your own SSID (WIFI Name) and

password, please go to Wireless LAN->General Settings->press editicon 🥙 to set up.

ALFA					ų	3	admin(admin) -
🗃 Damboard		SSID AXSGRM-2,4G-445c	0				
Mind LAN	14	You can disable SSID Broadcast to Hide Your Wi-	Filletwork.				
Winiess LAN	-	16212: Eynur micher intention on a shad hangt, dir this for hulf streffgarahtera	the little and 2 atoms				
enternet:	-	Broadcast 55/D					
	-	Bandwidth (Auta) Auto					
		Auto Channel					
6 ma	-	Encryp Type (WPA2/WPA3 Personal) WPA2/WPA3 Personal					
System Settings	-	Pre-share Key	5.0				
Administration	-						
			Apply	Return			

When set up your own SSID(WIFI Name), please press Apply to save and effect the setting.

Dishboard Mired LAN		Wireless The Guest H	s LAN - Guest Network etwork provides internet connection for guests but	restricts access to your local network.		
		Interface U	at			
General Settings		Radio	S510	Incryp Type	Mode	e
			AXSGR04-2.4G-Guest:-445c	& WPA2/WPA3	0	
		-	AX508M-2 4G-Guest2-445c	& WPA2/WPA3	-	
Internet	1.5					
U Frewall	1.4		AXSGRM-2.4G-Guest3-445c	& WPA2/WPA3	-	
	- ()		AXSERM-SE-Euror1-445e	& WPA2/WPA3	0	
4 PK			AXSGRM-SG-Guest2-445c	& WPA2/WPA3		
• Sesten Settings			AXSORM-5G-Guest3-445c	& WPA2/WPA3		
Administration						

If you want to setup guest WiFi, please g0 to Guest Network items to enable the "Radio" and edit with the guest SSID and password. AXSGRM provides 3 SSIDs for 2.4 GHz WiFi and 3 SSIDs for 5 GHz WiFi for guest WiFi networks.

How To Setup LAN

	-			
🔹 Dashboard		Wired LAN - IPv4 IP Setting	şs	
Hired LAN		NOTE: Any changes to the LAN IP addre	te LAN IP settings of your wireless router.	5
DHCP Server	_	AP Router Mode		
Port Settings	~	Modify the IP address and Subnet Hask.		
InternetFirewall	÷	192,168,63.1 Subnet Mask 255,255,255.0	0	
96 VPN	~	Apply		
< IPv6	¥ .			

The device default LAN IP address setting is 192.168.63.X, default gateway is 192.168.63.1. If you want to chage LAN IP setting, Please go to Wired LAN->AP Router Mode and change the IP Address, when you set up ready, please press Apply button.

How to Setup Admin/User password

ALFA				
C 1946 D System Settings	Administration - Account You can change the passeord and login	Settings name for the wineless router	by entering a new name and password.	
Account Settings	admin		user	
SAMP	Account admin	0	Account user	0
	New Password		New Password	
	Ro-type password		Ra-type passward	
	Assiy		Aupty	

If you want to change login user name and password, please go to Administration-> Account Settings item to set admin(Super user) and user S (Guest) Account user name and new password. When set up ready, please press Apply button.

How to reset device to default setting

If you want to reset the AXSG RM to factory default setting, please remember to back up the current setting before

reset to default, press Backup Current Setting button to save to setting file and you can upload the setting file when needs.

	-	
🛡 Fermali	- 44	System Settings - Backup/Restore/Reset
		This function allows you to save current settings of router to a Rie, or load settings from a file.
< 94	-	
 System Settings 	-	Restore setting
Date/Time		Drag'ndrop files or Select file
		Upload Backup Current Setting Reset to Default

If you want to reset the AX5GRM to factory default setting, please go to System Setting -> Backup/Restore/Reset item. Press Reset Default button. System will process 2 minutes to reset the whole device to default setting.

FCC Statement

Any Changes or modificationsnot expressly approved by the party responsible for compliance could avoid the user's authority to operate the 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.

Note: 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 canradiate 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 Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .

This transmitter must not be co – located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with minimum distance 20cm between the radiator& your body. This device complies with Innovation, Science and Economic Development Canada Compliance licence-exempt RSS standard (s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.



Documents / Resources



References

User Manual

Manuals+, Privacy Policy

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