# G200 USER MANUAL



### EasyLinkin

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EasyLinkin <sup>慧 联 无 限</sup>

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# 1. PRODUCT OVERVIEW INTERFACE AND LEDs

### 1.1 Brief Introduction

G200 Series gateway is a portable indoor gateway and complies with LoRaWAN<sup>™</sup> protocol to provide low power, stable and secure wireless connectivity for devices and sensors.

G200 adopts star topology deployment and provide WiFi or Ethernet connection to network server. The solution is used in a wide area of applications such as smart energy, smart cities and agricultural IoT.

G200 meets the network requirements of long-range communications, strong anti-interference ability, high sensitivity and low power for many dispersed nodes to provide a low cost and high reliability indoor IoT solution.



# 1.2 Features

Low Cost

Compact and portable, easy to install, cost effective for LoRa network deployment.

# Stable Network

The legal nodes can move freely within gateway coverage.

When one gateway is abnormal in the multi-gateway network, the node can be accessed through adjacent gateway.

- Versatile Backhaul Options
  Support Ethernet/WiFi, support switch dynamically.
- Easy Maintenance

Support remote troubleshooting and firmware upgrade, support local connection for debugging.

# 2. INTERFACE AND LEDs

# 2.1 Interface



Port 1: LoRa Antenna (SMA-female) Port 3: SIM Card Slot Port 5: Ethernet (RJ45) Port 7: WiFi Antenna (SMA-female) Port 2: RESET Port 4: Micro USB Port 6: DC12V DC\_IN

NOTE: 1、Port 2 : RESET hole, head into RESET hole with one end of paper clip for 6 seconds, then out. G200 restore factory defaults.

# 2.2 LED Status Indications

LEDs	Function definition
Flash blue and green every 1 second	<ul><li>Normal NS connection</li><li>Normal data forward</li></ul>
Flash red and blue every 1 second	Abnormal NS connection  Normal data forward
Flash red and green every 1 second	<ul><li>Abnormal NS connection</li><li>Abnormal data forward</li></ul>
White lights up for 1 minute	Gateway power on, system initialization
Off	Gateway is not powered on

# 3. SPECIFICATION

Hz WAN, Star Network WAN, Star Network auplex duplex duplex dubm @SF12/BW 125KHz Bm (Typical) Hz/250KHz/500MHz Config metWiFi mr*142mm*35mm riban 5Km, urban 3Km riban 5Km riban 5Km riba
---

# 4. CONFIGURATION

G200 provides a friendly and easy way to configure network parameters and LoRa parameters. After the configuration/modification is completed, you need to click the Save & Apply button at the bottom right of the page to save. After all the configuration/modifications are completed, you need to restart the gateway to take effect.

4.1 Getting Started Please follow the steps below to log in:

Step 1: Search AP ELI-G200-XXXXXX(XXXXXX is the last six hex number of G200 MAC) for

G200, click connect, password:easylinkin.

Step 2: If connect is successful, open browser (recommend IE browser) and input IP address:192.168.3.1

uthorization Required lesse enter your usemame and password. Usemame	, united and the second s	
Password		

Step 3. After entering login page, input username and password. Then enter the overview page,

Username: admin (default) as shown below.

Password: admin (default)

Type: chco Address: 175:16:10:230 Address: 255:255:255:0 Catewory: 17:21:61:02:4 cpt: 27:85:05:35:0 ptio: 27:85:05:35:0 ptio: 27:85:05:35:0	stwork >v4 WAN Status
6800 kB / 126148 kB (5%)	uffered
45152 kB / 126148 kB (35%)	ached
38308 KB / 126148 KB (30%)	ree
90260 kB / 126148 kB (71%)	otal Available
	emory
0.59, 0.24, 0.17	oad Average
.3h 35m 0s	Iptime
Sat Sep 8 01:45:17 2018	ocal Time
3.3.8	ernel Version
QSDK Premium Beeliner Router QCA9558.LN / LuCI 0.11.1 Release (0.11.1)	irmware Version
Qualcomm Atheros AP147 reference board	outer Model
EasyUnkin	outer Name
	/stem
	tus

4

Status, System, Service, Network, LoRa and Logout tabs are displayed at the top of the page. If you want to change administrator password, please click **System-Administration** then input the new password and click **Save & Apply**.

Chature	Curtan Internet					_	Chang
System	Administration	Software	Startup	Scheduled Tasks	LED Configuration	Backup / Flash Firmware	Reboot
outer	Password	sword for ac	cessing the	device			
Passwo	ard			2		<i>a</i>	
				1		1.2	

# 4.2 Modifying Network Parameters

Please follow the below steps to modify network parameters:

Step1: Click **Network-Interface**, then the Ethernet and WiFi configuration can be found in this page.



Step 2: Click **WAN-Edit**, the General Setup (Ethernet static IP configuration or DHCP configuration) can be modified. The default configuration is DHCP mode.

Interfaces Wifi Switch DHCP and DNS	Hostnames	Static Routes	Firewall	Diagnostics	
WAN WWAN LAN					
nterfaces - WAN					
n this page you can configure the network interface	es. You can b	ridge several inte	rfaces by ti	cking the "bridge interfaces" field and enter	er th
Common Configuration	Acces. TOU Ca	in also use XPUA :	IOGRUUTI INI	anraca. FLARAN USING- etho. 17-	
General Setup Advanced Setungs Physical	Settings	Freevall Settings			
Status	eth0	Uptime: 8h 42m MAC-Address: 8 RX: 77.59 MB (7 TX: 5.92 MB (48 IPv4: 172.16.10	50s 30:41:1D:5 30049 Pkts 984 Pkts.) .230/24	4:19:49 }	
Protocol	DHCF	<sup>o</sup> client		*	
Hostname to send when requesting DHCP	EasyL	inkin			
Accept router advertisements					



			n	Unsaved Changes
Status System Services Networ	k Lora Logout			
Interfaces Wifi Switch DHCP ar	d DNS Hostnames	Static Routes	Firewall Diagnostics	
WAN WWAN WWANO LAN				
nterfaces - WAN				
On this page you can configure the networ names of several network interfaces separ Common Configuration	k interfaces. You can bri ated by spaces. You can	dge several inter also use <u>VLAN</u> n	faces by ticking the "bridg otation INTERFACE. VLANNE (@	e interfaces" field and enter the ${}_{\alpha}g_{\alpha}$ ; eth0.1).
General Setup Advanced Settings	Physical Settings   Fir	ewall Settings		
Bring up on boot	2			
Override MAC address	B0.41.1D	6F 99 0F		
Override MTU	1500			
Use gateway metric	5			
			22	
DHCP Server				
General Setup				
Ignore interface	🗷 🧐 Disa	able <u>DHCP</u> for th	is interface.	
			() R	teset @Save @Save & Apply

Step 4: Set up static IP address.

nterfaces Wifi Switch DHCP a	and DNS Hostname	s Static Routes	Firewall	Diagnostics	
AN WWAN WWAND LAN					
WAN					
terraces - WAN					
this page you can configure the netwo nes of several network interfaces sepa	ork interfaces. You can rated by spaces. You	n bridge several int can also use VLAN	notation INT	cking the "bridge int ERFACE. VLANNE (e.g.:	erfaces" field and enter eth0.1).
Common Configuration					
General Setup Advanced Settings	Physical Settings	Firewall Settings	1		
Status		Uptime: Oh Om (	)s		
	ath	MAC-Address: E RX: 0.00 B (0 Pk	80:41:1D:6F	:99:0F	
	- Control - Cont	TX: 0.00 B (0 Pk	ts.)		
Protocol	Stati	c address		*	
IPv4 address	172.1	6.10.123			
IPv4 netmask	255	255.255.0		•]	
IPv4 gateway	172.1	6.10.1			
IPv4 broadcast					
Use custom DNS servers	172.1	6.10.1		2	
Accept router advertisements					
Send router solicitations					
IPv6 address					
IPv6 gateway					
UNCP Server					
General Setup					
Ignore interface	2 0	Disable <u>DHCP</u> for t	this interface	6. <sup>3</sup>	

Note: If gateway connect to LinkWAN platform (that is NS from Ali cloud platform) .Set up the following DNS address: 223.5.5.5 or 223.6.6.6

Step 5:Click Save and Apply. The configuration is active.

Step 6:Step 4: Click Network-WiFi to enter the WiFi configuration page.

nterfac	wifi Switch	DHCP and DNS Hostn	ames Static Routes	Firewall	Diagnostics		
vifio: M	aster "EASYLINKIN-2	wifio: Client "EASYLIN	KIN-1*		100000 100000		
ireles	is Overview						
(0790)	Ceneric Athero	< 802 11ban (wifi0)					
Yes	Channel: 11 (2.46	2 GHz)   Bitrate: 0.144 Mb	iit/s			Scan	Add
	0% SSID: EASYLI	INKIN-1   Mode: Client sabled or not associated			🖉 Enable	dit Edit	Remov
	SSID: EASYLI 0% BSSID: B0:4	INKIN-2   Mode: Master 1:1D:54:19:15   Encryptio	n: WPA2 NONE (CCMP)	1	Disable	Edit	Remov
isocia	ited Stations						
	SSID	MAC-Address	IPv4-Address	Signa	l Noise	RX Rate	TX Rate
1	EASYLINKIN-1	00:00:00:00:00:00	?	-95 dBr	n -95 dBm	0.0 Mbit/s	0.0 Mbit/
-	EASYL INKIN-2	48:8A:D2:7D:0F:AD	192,168,1,161	-66 dBr	m -95 dBm	55.6 Mbit/r	s 39.1 Mbit

#### Step 7: Click Edit in the Client mode. The ESSID of the AP will be connected can be set.

Status System	Services Network	Logout		
Incertaces will	TWEET OF CHERT	FACH THICTH 1"	ewan Uraynusuus	
WINUT Master BASYL	INKIN-2. WITU: Client	EASTLINKIN-1		
Vireless Networ	k: Client "EASYLINKI	N-1" (ath0)		
he Device Configurat	ion section covers physical s	ettings of the radio hardware such a	s channel, transmit power or antenna selection which	
s shared among all de node are grouped in t	fined wireless networks (if t he Interface Configuration.	he radio hardware is multi-SSID cap	able). Per network settings like encryption or operati	
Device Configura	ation			
General Setup	dvanced Settings			
Status		SSID: EASYLINKIN-1	Mode: Client	
		0% Wireless is disabled or	not associated	
Wireless network is	s enabled	Oisable		
Channel		11 (2.462 GHz)	•	
Transmit Power		15 dBm (31 mW)	•	
		dBm		
Interface Config	uration			
General Setup	Antelene Secruty Variation	HI SHOOLS		
ESSIN		lienda_bins		
Mode		Client (WDS)		
Network		💷 lan: 🖉 🧑		
		wan:		

Step 8: Click Wireless Security, modify key, then click Save & Apply waiting for connecting.

Carlor Carlo			A		0.0 2000	
e Device Configu shared among all ode are grouped	ration section defined wirelen in the Interfac	covers physical setti ess networks (if the e Configuration.	ngs of the radio hardware such radio hardware is multi-SSID ci	as channel, transmit power or ant apable). Per network settings like e	enna selection which neryption or operatio	
Device Config	uration					
General Setup						
Status			Mode: Client   SSI BSSID: B0:DF:Cl: Channel: 3 (2:422 Signal: -73 dBm   ) Bitrate: 0.1 Mbit/s	0: Tenda_Bins 16:C4:60   Encryption: - GHz)   Tx-Power: 15 dBm Noise: -95 dBm   Country: 00		
Wireless networ	k is enabled		Disable			
Channel		[11 (2.462 GHz)	•			
Transmit Power	Transmit Power		15 dBm (31 mW) •			
Interface Con	figuration					
	Wireless Se	curity Advanced 1				
Encryption		1.0	WPA2-PSK	×		
Cipher	2	÷.	auto	۲		
Key			<b>2</b>	8		

Step 9: If WiFi parameters modification is done, the AP connected and IPV4 address acquired can be displayed in Associated Stations in WiFi page.

Status	System	Services	Network	Logout								
Interfac	es Wifi	Switch	DHCP and DNS	Hostnames	Static Routes	Firewall	Di	agnostics	_	_	_	_
wifiQ: M	laster "EASYI	INKIN-2"	wifi0: Client "T	enda_Bins"					-		-	
/irele:	ss Overvie	w										
2	Generic Channel:	Atheros 3 (2.422 (	802.11bgn (wi 3Hz)   Bitrate: 0.1	fi0) 144 Mbit/s					٦	Scan		Add
	4 SSI 62% BSS	D: Tenda_ ID: 80:D	Bins   Mode: Clier F:C1:06:C4:60   E	nt ncryption: -			0	Disable		Edit		Remove
		D: EASYLI ID: B0:41	NKIN-2   Mode: N 1:1D:54:19:15   E	laster ncryption: W	PA2 NONE (CCMP	9	0	Disable		Edit		Remove
ssocia	ted Stati	ons		com - 2411 - 300 -								
	SSID		MAC-Addres	55	IPv4-Address	Signa	al	Noise	ş	XX Rate		TX Rate
1	Tenda_B	ins	B0:DF:C1:06:C	4:60	192.168.0.1	-73 dB	m	-95 dBm	1	.0 Mbit/s	1	0.7 Mbit/s
-	EASYLINK	IN-2	48:8A:D2:7D:0	F;AD	192.168.1.161	-65 dB	m	-95 dBm	63	3.0 Mbit/s	5	0.6 Mbit/s

NOTE: The Master mode is only used by technicians, so please do not do any modification under this mode.

#### 4.3 Modifying LoRa Parameters

Please follow the steps below to modify LoRa parameters:

Step 1: Click **LoRa** in overview page and enter LoRa configuration page, which is composed of three parts:Version Configuration, Base Configuration, Radio and NS Server Configuration.

Ra Configuration				
Version				
Ota Version	2.0.0			
Lots Version	v2.0.0.2001201313			
Bystern Version	Unixe version 3.3.8 (consport@ubuntu) (gob version 4.6.3.29120201 (prerelense) (Linaro GOC 4.6 2012.02) ) #1 Fix Kov 29.01.01.45.PST 2019			
Base Configuration				
Gateway EUR	b0413dfffre0461a			
Nel_Status	disconnected			
NS_Statua:	disconnected			
Radio And NS Configuration				
NS_Communication_Protocol	UDP	*		
Select Confide.	CN470	•		
NS Server AdditideTault gwtr earrylink in na corr).	172.16.11.94	1		
NS Server Port Up.	1700			
NS Server Port Down	p 700	1		
NM Server Addr:	api easylinkin.com			
NM Server Port	80	1		

Step 2:Gateway EUI can be shown in Base Configuration.

Step 3: Different LoRa frequency band can be chosen in Radio Configuration.

Step 4: In the radio and NS configuration column, UDP and mqtt communication modes are supported.

In UDP mode, you can select the actual Lora band from the drop-down menu, and configure the NS Server addr (default: 0 gwbr.easylinkin - ns.com ), NS Server Port up( default:1700 ), NS Server Port down( default:170 , NM Server Addr(default: api.easylink.com ) , and NM Server Port ( default:80 )

Ra Configuration				
Version				
Ota Version:	2.0.0			
Lora Version:	v2.0.0.2001201313			
System Version:	Linux version 3.3.8 (cecport@ubuntu) (gcc version 4.6.3.20120201 (prerelease) (Linaro GCC 2012.02) ) #1 Fi Nov 29 01:01 45 PST 2019			
Base Configuration				
Gateway EUI	b0411dfffee0461a			
Net_Status:	disconnected			
NS, Status:	disconnected			
Radio And NS Configuration				
NS_Communication_Protocol	UDP	*		
Select Confile:	CN470	•		
NS Server Addr[default gwbc easylinkin-ns.com]	172.16.11.94			
NS Server Port Up:	1700			
NS Server Port Down:	1700			
NM Server Addr:	api.easylinkin.com			
	60			

In MQTT mode, you can configure the information of the MQTT proxy server.MQTT protbuf\_coding\_method is true for protobuf encoding and false for JSON encoding. After configuration, click the save & Apply button the bottom right corner of the page.



- Carfornation	
Ra Configuration	
Ota Merrian	200
Lora Version	×2.0.0.2001201313
System Version	Linux version 3.3.8 (cecport@ubuntu) (gcc version 4.6.3 20120201 (prerelease) (Linaro GC 2012.02) ) #1 Fri Nov 29 01:01:45 PST 2019
Base Configuration	
Gateway EUI:	b0411dfffee0461a
Net_Status:	disconnected
NS_Status:	disconnected
Radio And NS Configuration	
NS_Communication_Protocol:	MQTT
matt port	1883
mqtt user name	lorun
rogtt password	Lorun@123
mqtt host	mgtt.lora.miota.id
mgtt clean_session	Ö
mgtt request_timeout_ms	2000
rogtt keepalive_interval_ms	60000
matt protobuf_coding_method	true 🔹
Select Confile	[084470 *]

Remarks:

Only UDP mode can configure ns server addr, and mqtt does not have this configuration item;

4.4 Customized Configuration

Step 1: Click **Select File**, select **CUSTOMIZE**, following information pop up . UDP mode:

nfa	Logour
Ra Configuration	
/ersion	
Ota Version:	2.0.0
Lora Version:	v2.0.0.2001201313
System Version:	Linux version 3.3.8 (cecoport@ubuntu) (gcc version 4.6.3 20120201 (prerelease) (Linaro GCC 4.6 2012.02) ) #1 Fri Nov 29 01:01:45 PST 2019
ace Configuration	and a state style with a state of the state with a state state. State with
Gateway EUI:	dieronnerter
NS Status	disconnected
adio And NS Configuration	
NS_Communication_Protocol:	UDP *
Select Confile:	CUSTOMIZE
VS Server Addr[default gwbr.easylinkin-ns.com]:	172.16.11.94
NS Server Port Up:	1700
NS Server Port Down:	1700
NM Server Addr.	api.easylinkin.com
NM Server Port:	80
Radio0 Center Frequency(HZ):	472600000
Channel 0 Offset(HZ):	300000
Channel 1 Offset(HZ):	100000
Channel 2 Offset(HZ):	100000
Channel 3 Offset(HZ):	300000
Radio1 Center Frequency(HZ):	473400000
Channel 4 Offset(HZ):	300000
Channel 5 Offset(HZ):	100000
Channel 6 Offset(HZ):	100000
Channel 7 Offset(HZ):	300000
Channel 8 Lora Std Enable:	true
Channel 8 Lora Std Offset(HZ):	-200000
Channel 8 Lora Std Bandwidth(HZ):	250000
Channel 8 Lora Std Spread_factor:	7
Channel 9 Fsk Enable:	true
Channel 9 Fsk Offset(HZ):	300000
Keepalive Interval(S):	15
Stat Interval/S):	200

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## MQTT mode:

Ra Configuration	
/ersion	
Ota Version:	2.0.0
Lora Version:	v2.0.0.2001201313
System Version:	Linux version 3.3.8 (cecport@ubuntu) (gcc version 4.6.3 20120201 (prerelease) (Linaro GCC 4 2012.02) ) #1 Fri Nov 29 01:01:45 PST 2019
Base Configuration	and an inclusion of a star of a The start of a star of
Gateway EUI:	b0411dfffee0461a
Net_Status:	disconnected
NS_Status:	disconnected
tadio And NS Configuration	
NS_Communication_Protocol:	MQTT
mqtt port	1883
mqtt user name	lorun
mqtt password	Lorun@123
mqtt host	mgtt.lora.miota.id
mqtt clean_session	0
mqtt request_timeout_ms	2000
mqtt keepalive_interval_ms	60000
mqtt protobuf_coding_method	true
Select Confile:	CUSTOMIZE
Radio0 Center Frequency(HZ):	472600000
Channel 0 Offset(HZ):	-300000
Channel 1 Offset(HZ):	100000
Channel 2 Offset(HZ):	100000
Channel 3 Offset(HZ):	300000
Radio1 Center Frequency(HZ):	473400000
Channel 4 Offset(HZ):	-300000
Channel 5 Offset(HZ):	100000
Channel 6 Offset(HZ):	100000
Channel 7 Offset(HZ):	300000
Channel 8 Lora Std Enable:	true
Channel 8 Lora Std Offset(HZ):	200000
Channel 8 Lora Std Bandwidth(HZ):	250000
Channel 8 Lora Std Spread_factor:	7
Channel 9 Fsk Enable:	true
Channel 9 Fsk Offset(HZ):	300000
Keepalive Interval(S):	15
Stat Interval(S):	300

Step 2. Set up parameters as needed. For example, keep alive intervals, frequency can be configured.

Step 3.After any modification, do not forget to click Save & Apply button.

# 4.5 Timezone Configuration

Step 1. Click System in overview page and enter System configuration page.

Step 2..Select corresponding time zone as needed. If connect to Ali LinkWAN platform , please choose UTC 0 time zone.

Step 3.After configuration, click Save & apply to make the settings effective.

stem Administration	Software Startup	Scheduled Tasks	LED Configuration	Backup / Flash Firmware	Reboot
tem					
you can configure the b	asic aspects of your de	evice like its hostname	or the timezone.		
ystem Properties			111 - M- 423111 - 1144 - 2244		
Seneral settings Logg	ng Language and S	tyla			
.ocal Time		Sun Apr 7 16:38	3:04 2019 🔟 Sync wit	h browser	
lostname		EasyLinkin			
limezone		Asia/Shanghai		•	
ime Synchronization					
inable NTP client		8			
Provide NTP server		8			
TP server candidates		asia pool.ntp.org	1	×	
		north-america.pr	ool ntp.org	X	
		0 debian pool nt	010.01	×	
		1 debian pool nt	p or g	200	

# 4.6 Restart Gateway

After all configurations/modifications are completed, select System->Reboot, and click the Perform reboot button to restart the gateway. All configurations/modifications will take effect after the starts.

g	a	te	w	ay	re	St	a	t

And a second						
shrinur wounnensoon source	kare Startup 3	Scheduled Tasks	LED Configuration	Backogi / Flash Firmware	Reboot	
System						
Reboot						
Reboots the operating system of your	r device					
Perform reboot						

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# 5. INSTALLATION

G200 Series gateway has three installation methods:

• Desktop: Put the gateway on a flat surface such as the top of a table. Then adjust antenna direction accordingly, which is suitable for temporary demonstration and debugging.

• Wall mounting: Attach gateway on the wall with the installation kit to mount it using the expansion tube and the adjustable screws.

• Ceiling mounting: Attach gateway on ceiling with installation kit to mount it using expansion tube and adjustable screws.

# 5.1 Wall Mounting

Install the gateway bracket:

Step 1:Select installation position on wall and mark the locations where the screw holes for the screws will be drilled.

Step 2: Drill holes ( $\Phi$ 5) in the wall and plug in plastic extension pipes (PA4.0\*30mm), then place the gateway bracket onto the marked location with holes aligned.

Step 3: Tighten the screw.





Place gateway into bracket:

Step 1: Connect WiFi/LoRa antennas.

Step 2: Connect power adapter, connect the Ethernet cable. When the gateway is power on, check the LED status. Make sure the gateway is working normally.

Step 3: Attach gateway to bracket, make the hook in the gateway align to the bracket grooves, push the gateway upward ( in a direction shown with a blue arrow ) and lock it to the bracket.





# 5.2 Ceiling Mounting

Ceiling mounting is almost the same as wall mounting except that the bracket needs to be installed under the ceiling.

## NOTES:

- The gateway should be handled gently without violent collisions and drops.
- The gateway should be mounted on a flat and dry surface with little dust and good ventilation. Do not expose the gateway to rain, water leakage and any humidity.



# Easylankon

# 6. PACKAGE LIST

No.	Photo	Name	Quantity(PCS)	Note
1		G200 Gateway	1	
2	and the	Power Adapter	1	FCC/UL/CE/CCC
3	F,	RF Antenna	1	
4	.∎-j	WiFi Antenna	1	
5	1 . 1 . 1	Bracket		
6		Product Specification	1	
7	Pose      Pose        - reards and - reards and - reards to be	Certificate & Warranty Card	1	

# 7. FCC STATEMENT

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.

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 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 important announcement .

#### RF exposure warning :

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20cm between the radiator & body.

# 8. SUPPORT

If you have any question or problem with our gateway, please contact us for support.