Quick Start Guide for DSGW-090B Indoor LoRaWAN Gateway

1 Connecting the Gateway and Accessing Settings

1.1 Connect the Gateway

Connect the power adapter and Ethernet cable to the gateway and your computer as shown in the diagram.



1.2 Access the Router's IP Address

Open a web browser and enter your router's IP address (e.g., 192.168.1.1). Alternatively, run *ipconfig* in the command prompt to view the default gateway. Refer to your router's manual for detailed IP address information.

1.3 Locate the Gateway's IP Address

Access your router's settings to find the IP address assigned to the gateway. Example:

- Gateway Model: **DSGW090B**
- Assigned IP: 192.168.50.245



1.4 Access the Gateway's Settings

Enter the gateway's IP address (e.g., 192.168.50.245) in your browser to access the configuration page, as shown in the diagram.

←	\rightarrow	G	▲不	安全	192.16	8.50.247/cg	ji-bin/luci,	/		
						Dusuñ ^{东胜珈联}				
						Auth	orizat	tion Re	quired	
						Please er	nter your us	sername and	password.	
								Username	root	
								Password	••••	
• 1	Useri	name	e: root							
•]	Passv	vord	: root							

2 Wi-Fi Settings

2.1 Navigate to Interface > Wi-Fi Setting in the gateway's configuration page.

▲ 不安全 192.168.50.247/cgi-l	oin/luci/				
Dusuň _{乐胜源联}	Home	Interface -	IOT Ser	vices -	А
		WAN Settin	ıg		
Status		LAN Setting	3		
System		WiFi Setting	g		
Hostname				DSG	W05
2.2 Scan to search for available net	works.				
▲ 不安全 192.168.50.247/cgi-bin/luci/admin/network/wireless					
Dusun setate Home Interface - IOT Servic	ces - Application	Solution - Advance - Log	gout	AUTO REFRES	H ON
Wireless Overview					

👰 radio0	MediaTek MT76x8 802.11bgn Channel: 1 (2.412 GHz) Bitrate: 1 Mbit/s	Restart	Scan
disabled	SSID: Dusun-E52618 Mode: Master BSSID: 30:AE:78:E5:26:19 Encryption: WPA2 PSK (CCMP)	Disable	Edit

2.3 Select your Wi-Fi network and click Join Network.

oin Network: Wireless Scan									
Signal	SSID	Channel	Mode	BSSID	Encryption				
🚽 -11 dBm	Dusun-E5460E	1	Master	30:AE:7B:E5:46:0F	WPA2 PSK, 802.1X (CCMP)	Join Network			
🚽 -23 dBm	FTB Wi-Fi	1	Master	4C:ED:FB:49:6F:F0	WPA2 PSK (CCMP)	Join Network			
🚽 -37 dBm	C1-de662c66e7943e25	6	Master	80:4D:1C:8C:68:FD	None	Join Network			
🚽 -42 dBm	Dusun-E54610	1	Master	30:AE:7B:E5:46:11	WPA2 PSK (CCMP)	Join Network			
-71 dBm	FTB Wi-Fi	1	Master	18:31:BF:E2:BA:41	WPA2 PSK (CCMP)	Join Network			
-76 dBm	ТJ	2	Master	D4:6E:0E:B0:B8:6A	WPA2 PSK (CCMP)	Join Network			
						Stop refresh Dismiss			

2.4 Enter the Wi-Fi password and click Submit.

Joining Network: "FTB Wi-Fi"							
Replace wireless configuration							
	Obeck this option to delete the existing networks from this radio.						
Name of the new network	wwan2						
	Interpretation of the second secon						
WPA passphrase	*						
	Expecting: non-empty value key here.						
Lock to BSSID							
	Instead of joining any network with a matching SSID, only connect to the BSSID 4C:ED:FB:49:6F:F0.						
Create / Assign firewall-zone	wan wan: 🚂 wan6: 🚂 pwan: 🚂 wwan0: 🙊 韋 🔹						
	Ochoose the firewall zone you want to assign to this interface. Select unspecified to remove the interface from the assign to the select unspecified to remove the interface from the assign to the interface to it.						
	associated zone or nil out the create new to denne a new zone and attach the interface to it.						

Submit

Cancel

2.5 Click Save & Apply to confirm the settings.

Wireless Overview									
👷 radio0	MediaTek M Channel: 1 (2	1T76x8 802.11bgn .412 GHz) Bitrate: 48 Mbit/	Restart	Scan					
disabled	SSID: Dusun- BSSID: 30:AE	Disable	Edit						
🚽 -20 dBm	SSID: FTB Wi BSSID: 32:AE	WPA2 PSK (CCMP)	Disable	Edit Remove					
Associated Stations									
Associated Sta	itions								
Associated Sta	ations	MAC-Address	Host	Signal / Noise	RX Rate / TX Rate				
Associated Sta Network	Ti" (wlan0)	MAC-Address 4C:ED:FB:49:6F:F0	Host GT-AC5300-6FF0 (192.168.50.1)	Signal / Noise	RX Rate / TX Rate 54.0 Mbit/s, 20MHz 1.0 Mbit/s, 20MHz				

3 ChirpStack Server Configuration

Configure the ChirpStack server settings as shown in the diagram.

192.168.50.247/cgi-bin/luci/admin/status										
Dusun _{新胜道範} Home Interface -	IOT Services -	Application Solution -	Advance -	Logout						
Status System	Cloud Config Bluetooth Zigbee									
Hostname	Z-Wave LTE	3								

- Gateway EUI: Enter a custom 16-character alphanumeric value.
- All other fields should match the settings in the provided diagram.

192.168.50.247/cgi-bin/luci/admin/dusun/mqttconfig/chirpstack

Du	usun ™###₩	Home In	nterface	- 10	T Services -	Applicat	tion Solution ·	- Advance	e - Logou	t	
M	lqtt Config	TuYa Config	g Azur	e Config	AWS Config	Udp Confi	g Tcp Config	Http Config	Utp Config	AWS Lora Cloud	ChipStack
T	hings Stack										
C	hirpSt	ack re for ChirpS	itack con	nect							
CI	hirp Stac	ck Config	g								
		ServerAdd	ress	3.113.88.	29						
		Gateway	EUI	ABBCC	DDEE001122						
		Serv_por	t_up	1700							
		Serv_port_d	lown	1700							
		Cha	nnel	48923		~					
											Save & Apply

4 Final Steps

After completing the configuration:

- 1. Disconnect the power adapter.
- 2. Reconnect the power adapter to restart the gateway.
- 3. Upon reboot, the gateway will automatically connect to the configured Wi-Fi network and ChirpStack server.