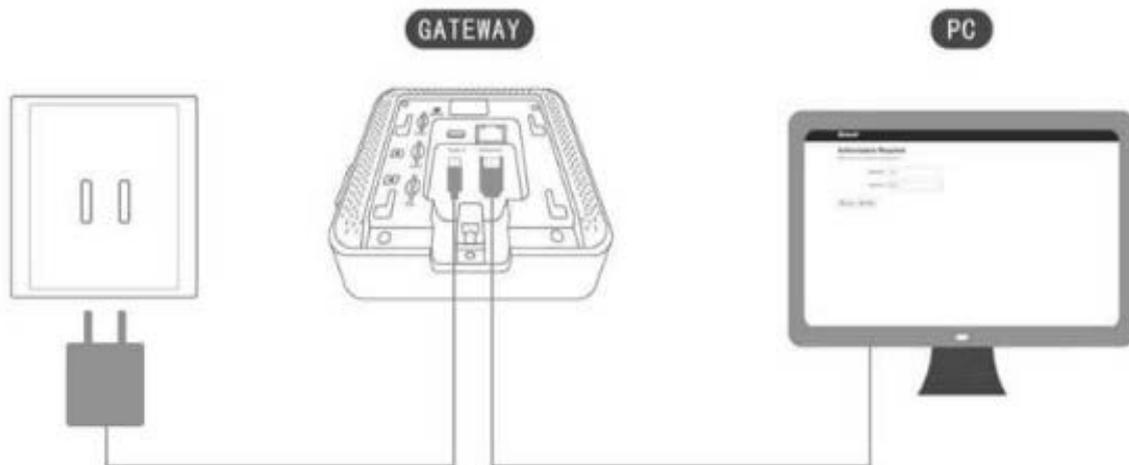


Quick Start Guide for DSGW-090B Indoor LoRaWAN Gateway

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.



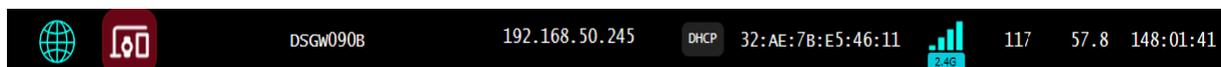
1.2 Access the Router's IP Address

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

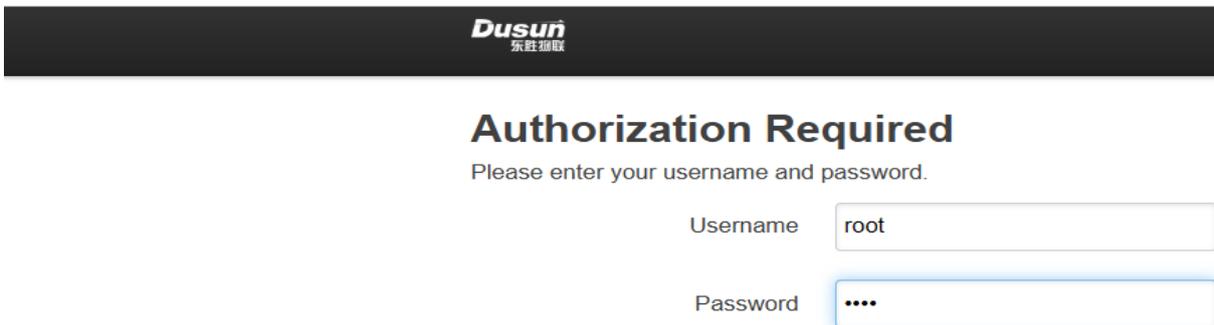
Access your router's settings to find the IP address assigned to the gateway.
Example:

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



1.4 Access the Gateway's Settings

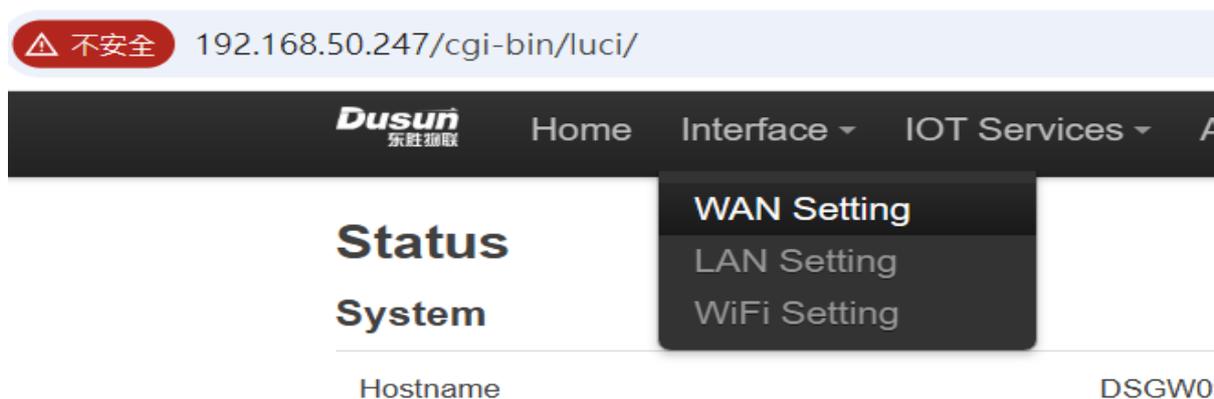
Enter the gateway's IP address (e.g., 192.168.50.245) in your browser to access the configuration page, as shown in the diagram.



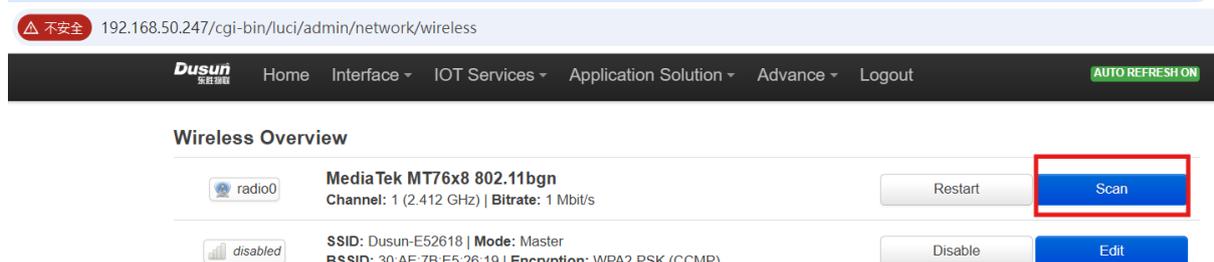
- Username: root
- Password: root

2 Wi-Fi Settings

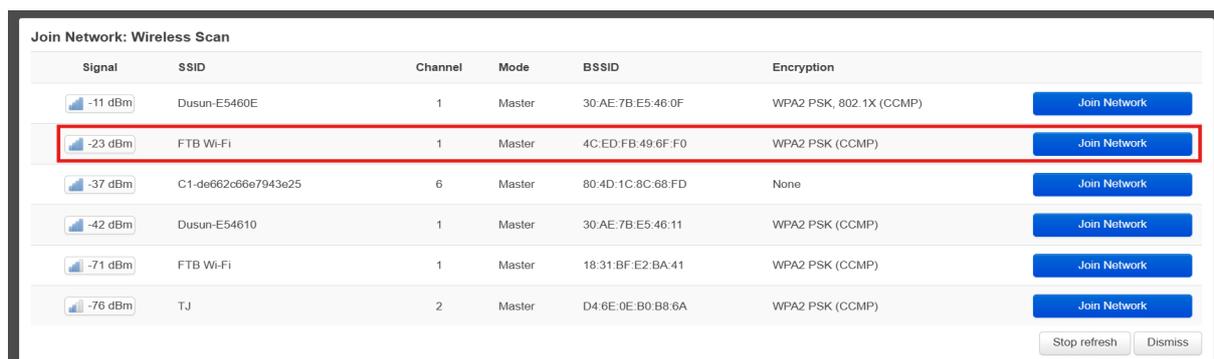
2.1 Navigate to Interface > Wi-Fi Setting in the gateway's configuration page.



2.2 Scan to search for available networks.



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



2.4 Enter the Wi-Fi password and click Submit.

Joining Network: "FTB Wi-Fi"

Replace wireless configuration

Check this option to delete the existing networks from this radio.

Name of the new network:

The allowed characters are: **A-Z**, **a-z**, **0-9** and **.**

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: ▼

Choose the firewall zone you want to assign to this interface. Select *unspecified* to remove the interface from the associated zone or fill out the *create* field to define a new zone and attach the interface to it.

2.5 Click Save & Apply to confirm the settings.

Wireless Overview

| | | | |
|----------|---|--|--|
| radio0 | MediaTek MT76x8 802.11bgn Channel: 1 (2.412 GHz) Bitrate: 48 Mbit/s | <input type="button" value="Restart"/> | <input checked="" type="button" value="Scan"/> |
| disabled | SSID: Dusun-E52618 Mode: Master BSSID: 30:AE:7B:E5:26:19 Encryption: WPA2 PSK (CCMP) | <input type="button" value="Disable"/> | <input checked="" type="button" value="Edit"/> |
| -20 dBm | SSID: FTB Wi-Fi Mode: Client BSSID: 32:AE:7B:E5:26:19 Encryption: WPA2 PSK (CCMP) | <input type="button" value="Disable"/> | <input checked="" type="button" value="Edit"/> <input type="button" value="Remove"/> |

Associated Stations

| Network | MAC-Address | Host | Signal / Noise | RX Rate / TX Rate |
|----------------------------|-------------------|-------------------------------|----------------|---|
| Client "FTB Wi-Fi" (wlan0) | 4C:ED:FB:49:6F:F0 | GT-AC5300-6FF0 (192.168.50.1) | -22 dBm | 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 东胜物联

Home Interface **IOT Services** Application Solution Advance Logout

Status

System

Hostname

- Cloud Config
- Bluetooth
- Zigbee
- Z-Wave
- LTE

- 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

Dusun Home Interface - IOT Services - Application Solution - Advance - Logout

Mqtt Config TuYa Config Azure Config AWS Config Udp Config Tcp Config Http Config Ulp Config AWS Lora Cloud **ChipStack**

Things Stack

ChirpStack

This is configure for ChirpStack connect

Chirp Stack Config

| | |
|----------------|---|
| ServerAddress | <input type="text" value="3.113.88.29"/> |
| Gateway EUI | <input type="text" value="AABBCCDDEE001122"/> |
| Serv_port_up | <input type="text" value="1700"/> |
| Serv_port_down | <input type="text" value="1700"/> |
| Channel | <input type="text" value="AS923"/> |

[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.