



WAVECOM GATEWAY

STARTUP GUIDE



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1 Setup

1.1 Insert Nano SIM card(s)

The Wavecom Gateway has up to two* slots available for SIM cards: SIM 0 and SIM1.

To release a SIM tray, press to release. You will hear a click and the tray will come out.

Insert a Nano SIM card into the tray and press it back into the holder until you hear a click.

* Can vary depending on the model:

Single Modem - Only SIM0 available

Dual Modem - SIM0 and SIM1 available



1.2 Connect the antennas

The Wavecom Gateway has a set of antenna connectors that are standard SMA or RP-SMA*. Antennas are not supplied with the router by default.

Connect the desired antennas to the respective connectors:

- WLAN (Wi-Fi): RP-SMA
- WWAN (4G/5G): SMA
- GPS: SMA

* Can vary depending on the model



1.3 Power Connection

To power up the Wavecom IoT Gateway, a stabilized DC power supply should be used. The unit will come with a quick lock plug with locking latch that has to be attached to the chosen power supply.

Input DC voltage may range between 9 to 36V (minimum power of 25W).

As an option, you can purchase a power supply for the gateway with the following specifications:

- input voltage: 100-240 VAC
- output voltage: 12 VDC



1.4 Ethernet Ports

The Wavecom IoT Gateway has ethernet ports that can be used for connecting to physical devices. Four ports are available.

ETH0 is, by default, set as **WAN** (DHCP client enabled). The remaining ports can be used as **LAN ports** with a DHCP server offering addresses between 10.20.0.2-250.



1.5 Startup

In the process of turning on, it is expected the following behavior:

Right LED - Power - Static blue or blinking when there's storage activity.

Remaining 3 LEDs - Activity

- Yellow when the device is booting (if it remains more than 15 min, it can indicate an error).
- Green when the equipment is ready to be used.

Disclaimer:

During the upgrade process, the status LED's will change to blue while in progress and will turn green when the upgrade is finished. The device may reboot afterwards. During the upgrade process all functionalities will not be available.

1.6 Reset Button

The reset button is located at the bottom right of the front of the device, as shown in the following picture.

Press the button lightly with a thin metal pin through the hole.

Function: Clicking and releasing the button performs a hardware reset.



2 Gateway Access and Information

2.1 Access the Gateway

Ethernet Connection

Using an ethernet cable, connect a computer to the Wavecom IoT Gateway on any ethernet LAN port. The computer will obtain an address on the network 10.20.0.0/24.

WiFi Connection

By connecting to the WiFi SSID “wavecomconfig” the computer will obtain an address on the network 10.20.0.0/24

You can now establish a HTTPS session to the Gateway using the following information: The Wavecom IoT Gateway can be accessed from a web browser through its local web interface.

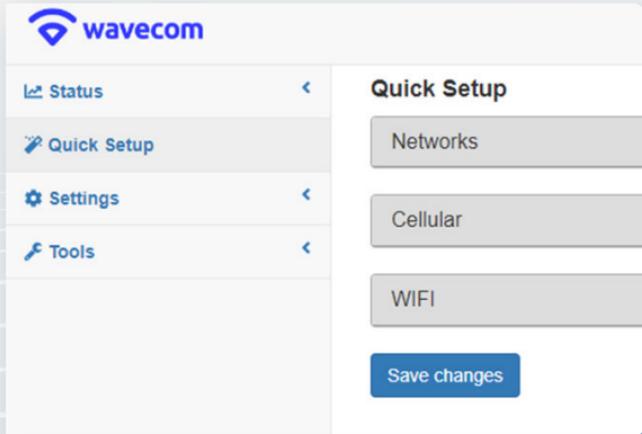
- URL: <https://10.20.0.1>
- User: admin
- Password: wavesys

NOTE: Wavecom strongly recommends changing the default password after the first login.

3 Configuration Setup

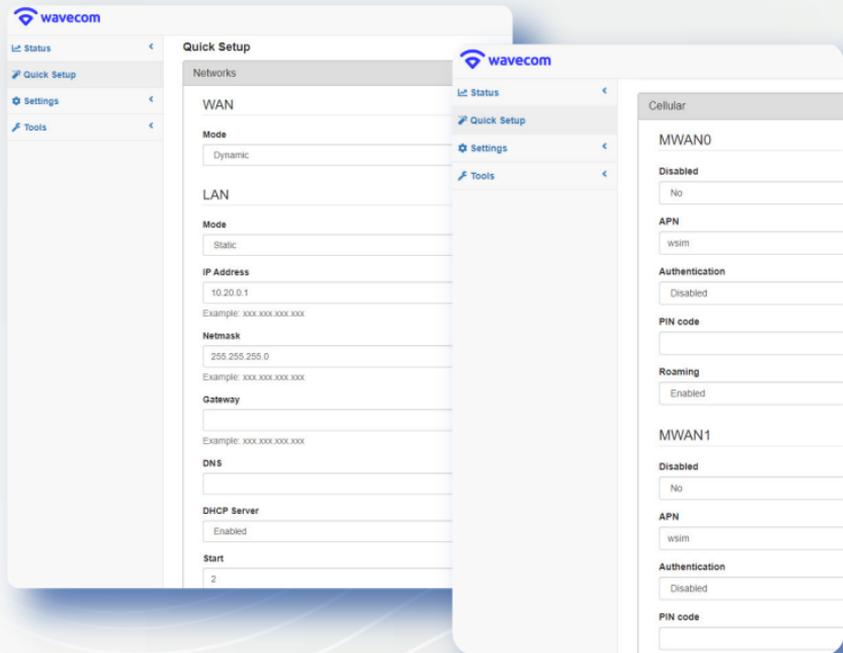
Accessing Gateway from its local page allows you to quickly configure the most common settings:

- Networks
- Cellular
- Wi-Fi



3 Configuration Setup

Networks and Cellular:

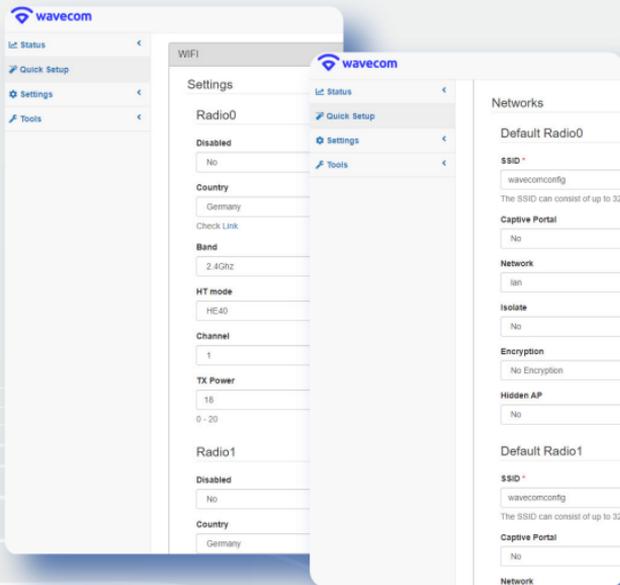


*Note: The figure above shows the network and mobile phone configuration.

For every SIM card in use the right APN should be set. You can obtain this APN information from your provider or contact your Wavecom dealer.

3 Configuration Setup

Wi-Fi Settings:



*Note: Image above represents Radio 0 configuration

* Note: Settings menu allows for advanced configurations not present in this quick guide.

4 Complementary Information

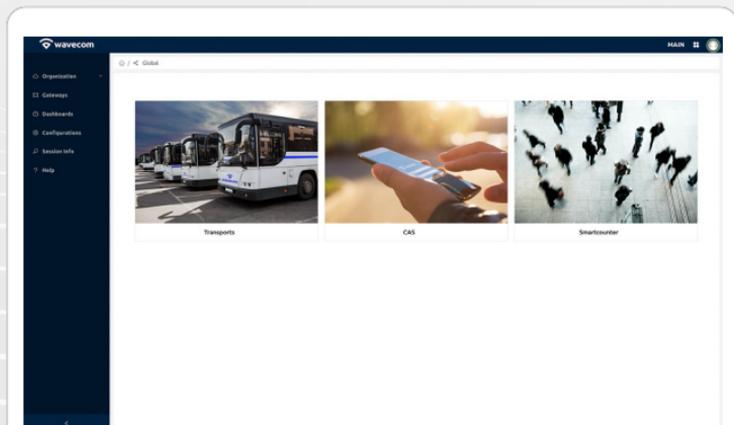
Wavecom Gateway is typically shipped with a Basic configuration that is tailor made to match a specific project requirement.

Any need for change or extra information not presented on this guide should be addressed to the Wavecom (support@wavecom.com) support for evaluation and response.

5 Connection to IoT Manager

The Wavecom IoT Gateway is linked to a centralized platform, the IoT Manager, that allows several features like device monitoring and tracking.

To have access to your domain/group please get in touch with your reseller or with support@wavecom.com



6 Copyright and confidentiality

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About us:

Wavecom has been active in the field of wireless and IP-based systems for 20 years and has solid know-how and expertise.

We understand the challenges integrators face and our goal is to provide you with the essential technologies, insights, advice and tools to help you achieve your most important goals.

With our ability to innovate and our knowledge of what integrators do, we can improve people's quality of life through the products we manufacture.

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