

Rack Extended Edition
(RX2 2nd Gen)
Quick Start Guide

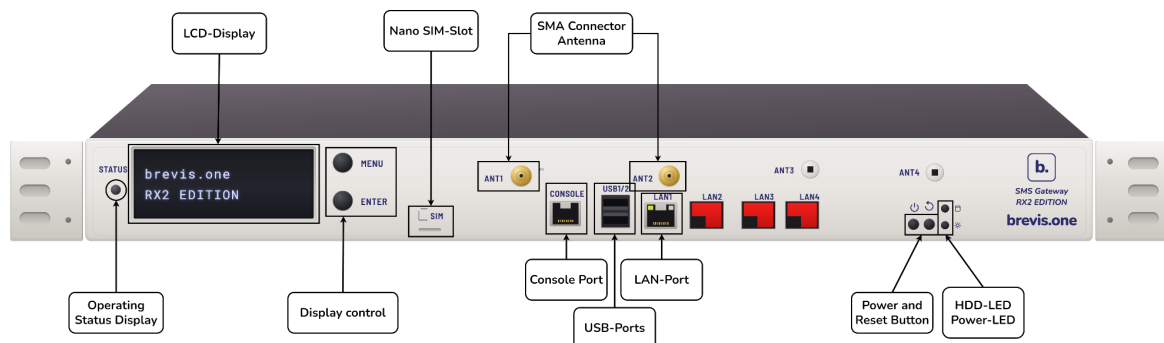
Scope of delivery

- brevis.one SMS Gateway - RX2 Edition 2nd Gen
- Antenna/s
- Power Cable
- Console Cable USB-A to RJ45
- Rack-Mount-Brackets



brevis.one SMS Gateway

Front:



1. Inserting the SIM Card

IMPORTANT: Before inserting the SIM card, remove the PIN from the SIM card and unplug the gateway from the power source. Wait 2 minutes for the capacitors to discharge before inserting the SIM card. This also applies when replacing the SIM card! Check to make sure the SIM card is properly seated. You should hear a click.

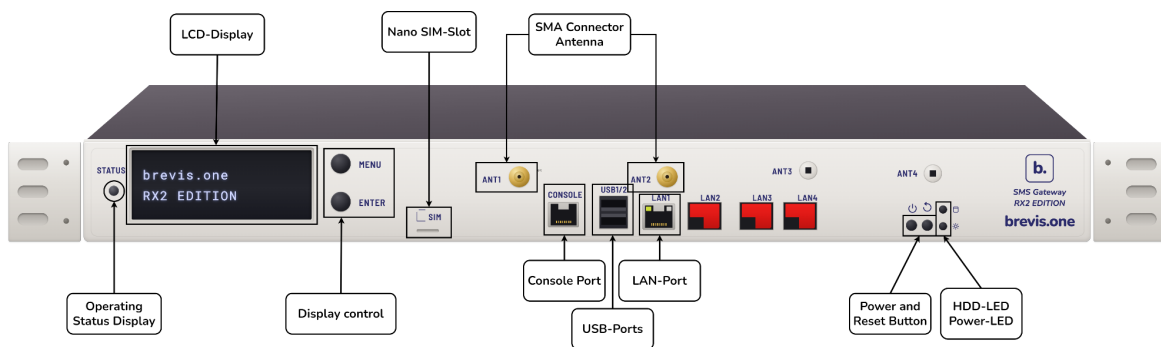
- Inserting the SIM Card (nano SIM).



Example Picture

2. Screwing on the Antenna

- Screw the antenna onto the “ANT1” SMA connector. To improve reception in challenging installation situations, a second, optionally available antenna can be connected to the “ANT2” SMA connector. If this is a 5G model, connect all antennas.



3. Connecting Network and Console Cables

- Connect an RJ-45 network cable. Please use the LAN1 Ethernet port. The LAN2 through LAN4 ports are NOT functional!
- Connect the console cable to the RJ45 serial port so you can establish a connection using PuTTY.

Note: On Windows, the current driver for “USB-SERIAL CH340” (as of November 19, 2024) may cause problems with the console cable. If you receive “Error 31” in PuTTY, you can use the “Xshell” program if it is available to you. Alternatively, uninstall the driver and use version 3.4.2014.8 from August 8, 2014. You can find the driver here (file highlighted in yellow)
<https://learn.sparkfun.com/tutorials/how-to-install-ch340-drivers/all>

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Drivers (If You Need Them)

The CH340 has been tested on:

- Windows 7/10
- Mac OSX
 - v10.10.5 (Yosemite)
 - v10.11.6 (El Capitan)
 - v10.13.0 (High Sierra)
 - v10.14.5 (Mojave)
- Linux
 - Raspbian Stretch (11-13-2018 release) for the Raspberry Pi
 - Raspbian Buster (2019-07-10 release) for the Raspberry Pi
 - Ubuntu v18.04.2, 64-bit

These operating systems have the CDC drivers pre-installed, which means you shouldn't need to install any extra software. However, there are a wide range of operating systems out there, so if you run into driver problems, you can get the archived drivers linked below:

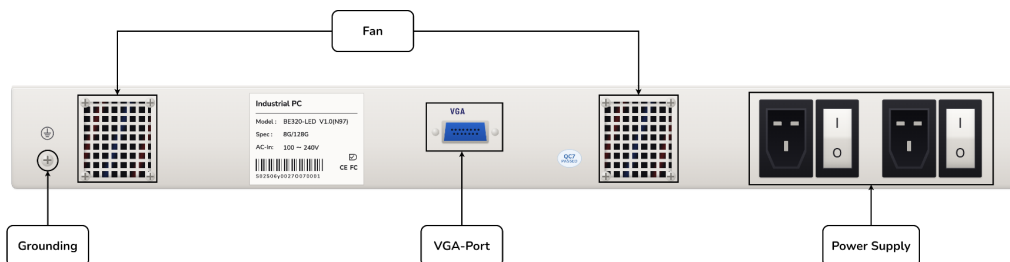
- **Windows (EXE)** -- Driver executable
- **Windows (ZIP)** : Driver v3.4 (2016-09-27)
- **Mac (ZIP)** : Driver v1.5 (2018-07-04)
- **Linux (ZIP)** : Driver v1.5 (2018-03-18)

The CH340 is made by WCH. You can find the latest version of their drivers in their [English translated website](#).

WCH: CH340 DRIVERS (ENGLISH PAGE)

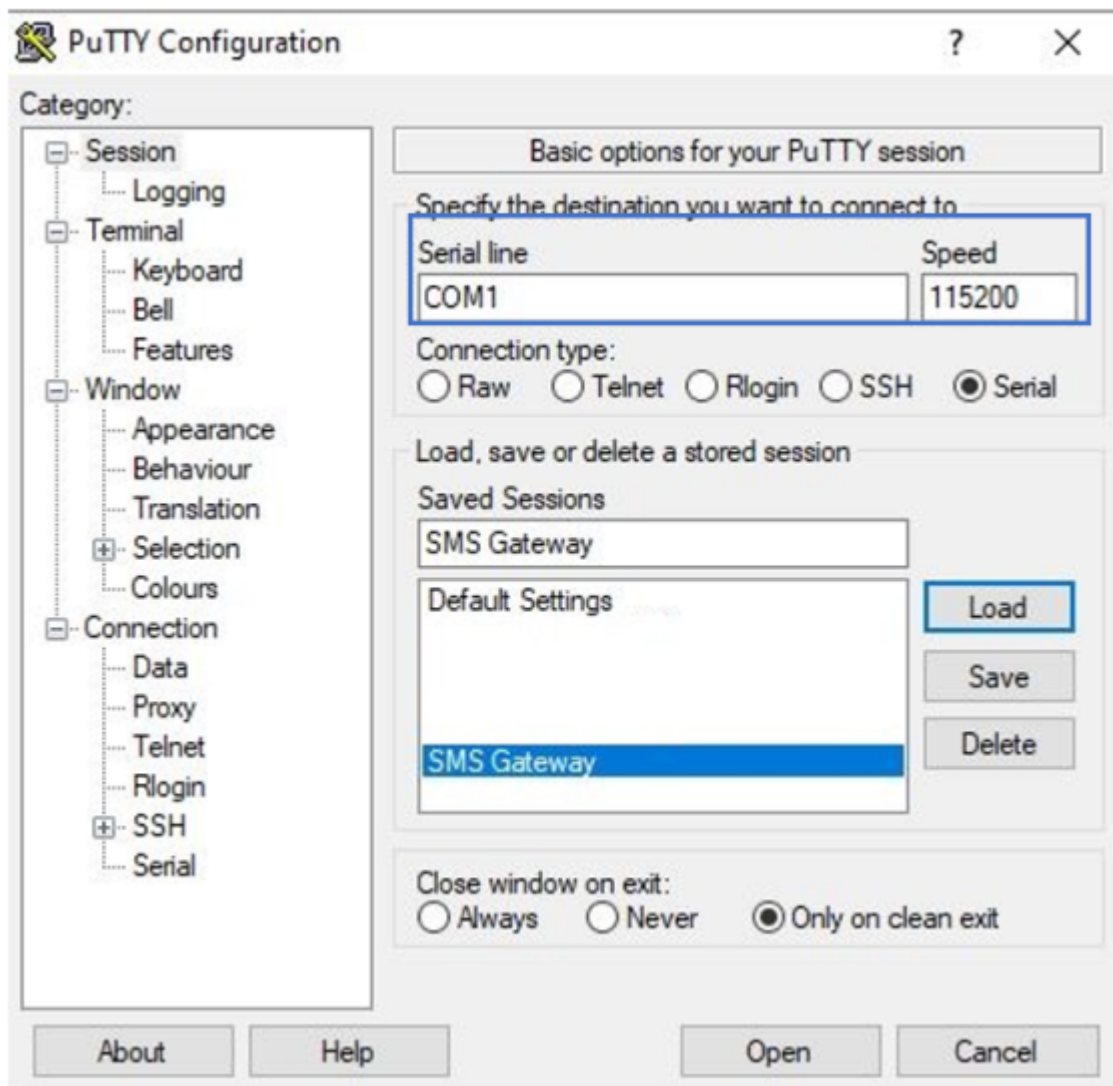
4. Connect the power cable

- Connect the power cables to the device and flip the switches on the power outlets. The power indicator should now light up. If the device does not start up automatically, please press the power button on the front panel.



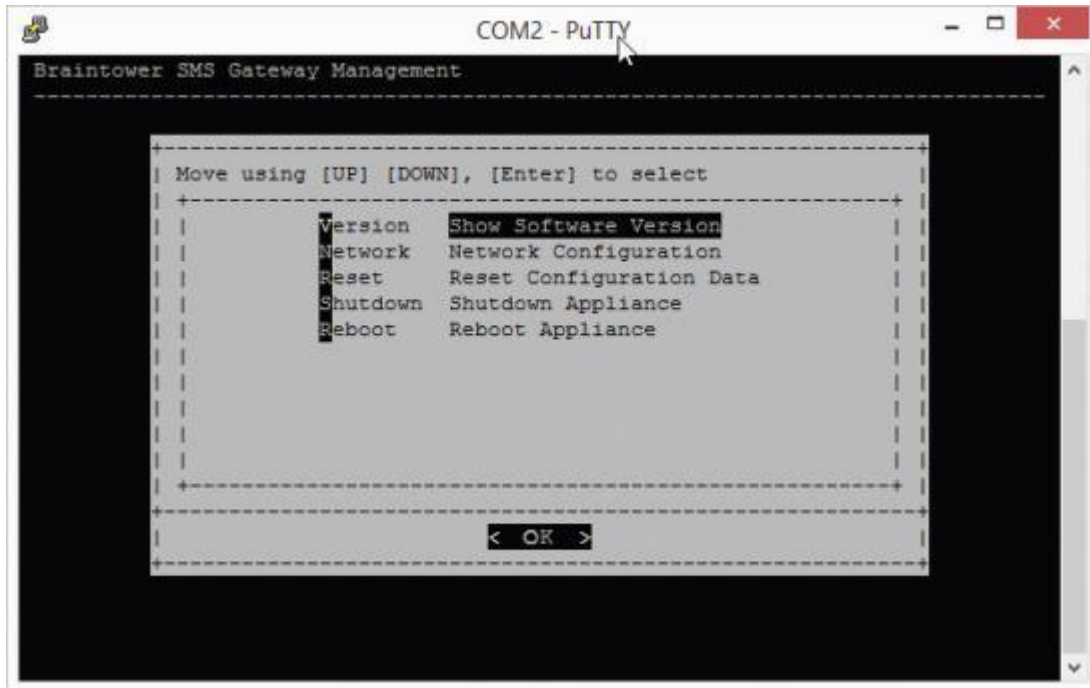
5. Network Configuration

- If your network has a DHCP server, the RX2 Edition can obtain an IP address. If DHCP is not available, the device will start up with the default IP address: 192.168.1.1
- If you do not know the IP address assigned by DHCP, you can retrieve it via the RJ45 (RS232) console port. To do this, connect your PC to the gateway using a terminal program (e.g., PuTTY) and the console cable. **Alternatively, you can use a monitor (VGA connection) and a USB keyboard.**
- The interface speed is 115200 baud (8N1).



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- Click “Open” and press the Enter key.
- A text-based interface appears, displaying the gateway's current version number and IP address under the “Version” menu item. Under the “Network” menu item, you can change the IP address as desired.



- If you configure the network settings via the serial console, they are only temporary and will be lost after the gateway is restarted.
- To set the network settings permanently, you must do so in the web interface (Configuration -> Network).
- You can now access the web interface using the IP address.
Log in using the following credentials:
Username: **admin**
Password: **admin**



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6. Licensing

SMS Gateway

Messages • Status • Configuration • Language • Help •

brevis.one

This node is HA-Master. You are logged in as `admin@sms-gw` - [Logout](#)

brevis.one SMS Gateway

Request your personal license now!

Please ensure that the time is configured correctly in Configuration > Configure > NTP-Server.

After updating the SMS Gateway software please disconnect the device from the power supply for about 30 seconds.

First name *	
Last Name *	
Company *	
E-Mail *	
Address 1 *	
Address 2 optional	
City *	
ZIP code *	
Serial number *	
Country *	Afghanistan
The privacy statement have to be accepted and can be read under the following link: Privacy Statement	☐ Accept Privacy Statement

Submit

- After logging in to the web interface, you must request a license for your gateway. Until this process is successfully completed, you will be prompted to do so every time you log in.
- To do this, please fill out the form and click the “Request” button. You can find the serial number on your gateway ([Where can I find the serial number of my SMS gateway?](#)).
- You will then receive a licensing request, which you should forward to the Service Desk (<https://brevis.one/de/licreq-html/>) .
- Once our licensing team has processed your request, you will receive a license file, which you should upload to the SMS gateway here.



7. SIM-Card

ATTENTION: Please remove the PIN from the SIM card before inserting it! We recommend not using a PIN to avoid problems with sending text messages.

- NOTE: Please set the appropriate APN (Access Point Name) entry for your SIM card under “Status -> Modem Status.” In rare cases, a missing APN can cause connection problems.

8. Send a test message

- Enter the IP address in your browser and log in again.
- Then, under the “SMS” menu item, select the sub-item “Send to Number.”
- On the screen that appears, you can send an SMS by entering a phone number and a message.
- For further assistance, please refer to the “Help” menu item.