

GX GSM

DRAFT: function & product not released yet.

1. Introduction








The GX GSM is an accessory for Venus-devices. It is a cellular modem; providing a mobile internet connection for the system.

It requires a SIM card; and connects to the Venus-device with a (supplied) ??m USB cable.

A small indoor GSM antenna is included. As an option we also sell an outdoor GSM antenna. (Add partnumber; and somewhere there must be a picture of it and specs, GX GSM datasheet!?)

GPS

Besides internet, the GX GSM also has a GPS receiver. To use that, buy the optional active GSM

		GPS	 3G R  12:51
Status	GPS OK (fix)		
Latitude	53° 13' 11.3" N		
Longitude	6° 36' 25.4" E		
Speed	2.0km/h		
Course	145.5°		
Altitude	-38.6m		
Number of satellites	9		
Format	52° 20' 41.6" N, 5° 13' 12.3" E		
Speed Unit	Kilometres per hour		
Device			
 Pages   Menu			

antenna. (Add part number)

Compatibility

- Color Control GX
- Venus GX
- Octo GX

The GX GSM requires Venus OS v2.20 or newer to be installed on the Venus-device.

When to use a mobile router instead

The GX GSM only provides an internet connection for the Venus-device: there is no option to share the internet to laptops, phones, or other devices.

For installations where more devices need internet, such as a yacht or RV, consider installing a mobile router instead. More information here ([link to proper chapter in Ccgx manual](#)).

2. Installation



Mount the device and connect the antenna. Consider using the outdoor antenna when installing the GX GSM in a closed metal enclosure.

Insert the SIM card.

Connect the GX GSM to the Venus device with the supplied USB cable. Use a USB hub in case all USB sockets are already in use.

Connect DC power supply (8 to 70 VDC).

3. Configuration

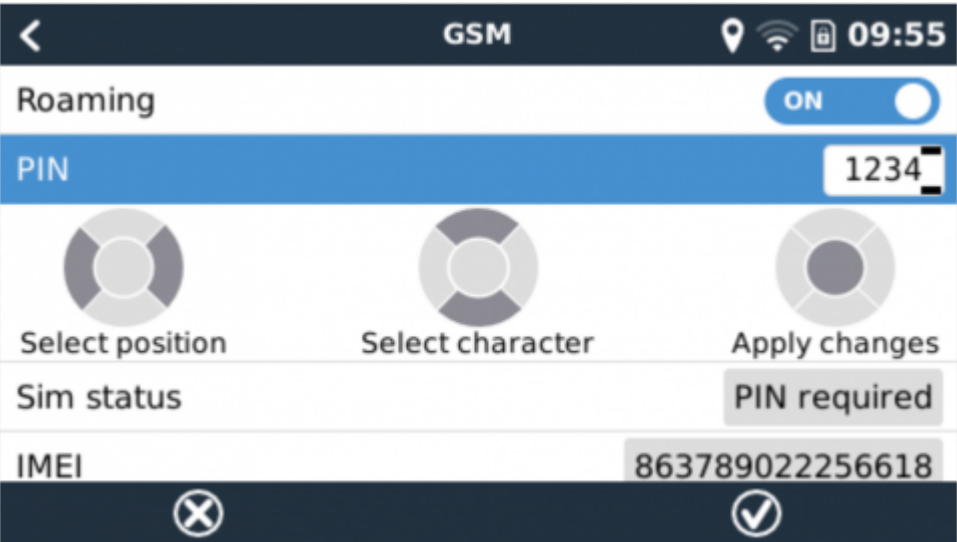
GSM		11:41
Internet	Online	
Carrier	vodafone NL 3G	
Signal strength		
Allow roaming	<input type="checkbox"/>	
Sim status	Ready	
IP address	10.164.191.132	
APN	Default >	
IMEI	863789022273241	
 Pages		Menu

When using a SIM card with its SIM-pin security disabled, the system will work without further configuration. Verify operation by .. ? (Check VRM Last log data?)

Setting a SIM pin helps reducing the risk of the SIM card being stolen and used. Use a mobile phone to

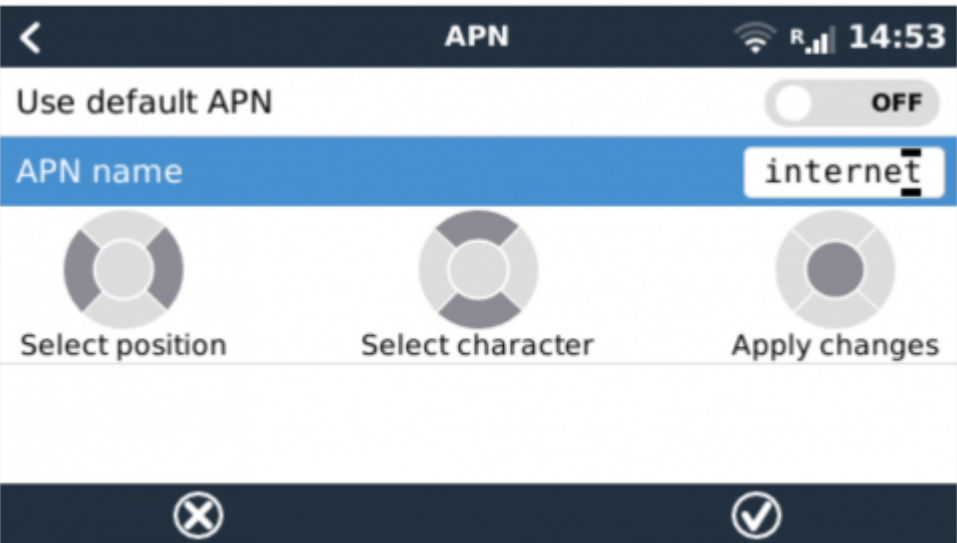
set the SIM pin, and there after configure it on the Venus device.

Settings → GSM modem → PIN code



Some mobile networks require manual configuration of an APN specially when roaming. Contact your operator.



APN name can be configured in Settings → GSM Modem → APN.



4. Status

GSM modem status can be checked at a glance by looking at the status bar.

Icon	Details
	GSM modem is connected.
	GSM modem is properly configured, the 3G/E/etc icon reflects that the GMS modem internet connection is in use.
	WiFi is available and its internet connection is in use. WiFi has priority over GSM.

Icon	Details
	SIM PIN code is required.
	Roaming, only informative. To use internet connection while roaming it needs to be enabled in Settings → GSM modem → Allow roaming.

5. Trouble shooting

Step	Details
1 Power	Check that the blue LED is either lit continuous or blinking
2 USB	The modem must be connected to USB, and visible in the Settings → GSM modem menu
3 Simcard	If enabled, PIN code must be configured in Settings → GSM modem → PIN
4 Signal strength	1 bar for VRM logging, 2/3 bars for remote console
5 Network	Check that a network name is visible. If it is not, contact your simcard provider and/or insert the simcard in a phone to double check its operation.

You also need to remember that an outdoor antenna typically increases received signal by 15 dB to 25 dB. (verify)

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