SCORPION®
AUTOMOTIVE

FTM100
Install Guide

CONTENTS

SCORPION®
AUTOMOTIVE

1. STAGE ONE
ONLINE REGISTRATION

IMPORTANT: Before commencing the physical installation of the STM hardware, the unit must be registered online and activated by scanning the QR code on the enclosed card and following the setup wizard;
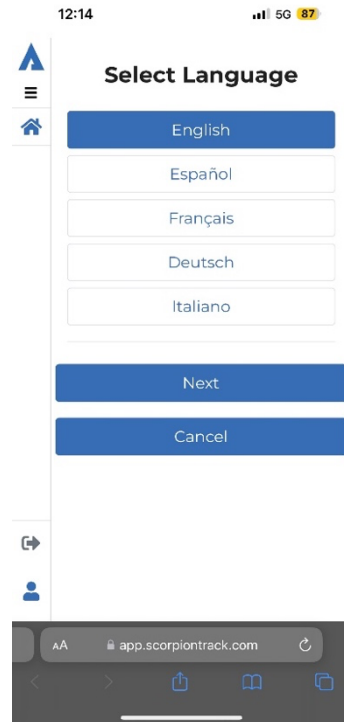

The unit can also be registered online and activated via the below link:
https://app.scorpiontrack.com/registration/quick

To complete the online registration and unit activation, you will need the following details:

- Name
- Email address
- 15-digit IMEI number of the FMT100
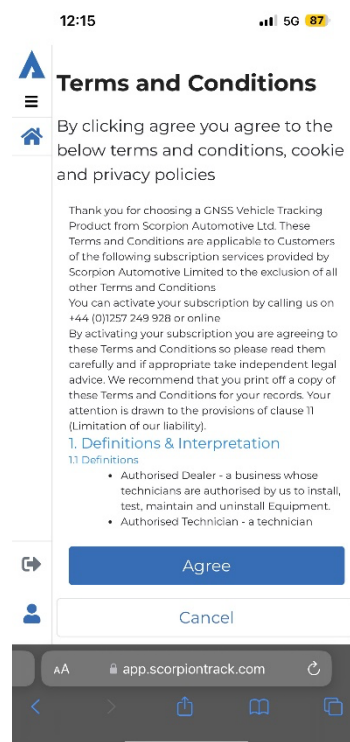- Payment card details

STEP 1.

Select your chosen language.

STEP 2.

The next page contains our 'Terms and Conditions' which must be agreed to in order to proceed with the registration.

STEP 3.

You will now be asked if you already have an existing customer account with us. If so, click 'Yes' and you will proceed straight to the 'Select a product' page once you've logged into your account (see Step 5). If you do not have an account with us, click 'No' and you will be asked to fill out a form to create your account.
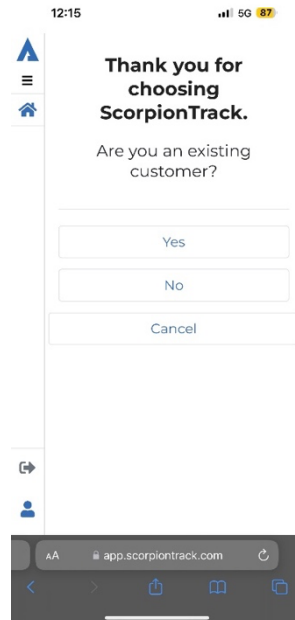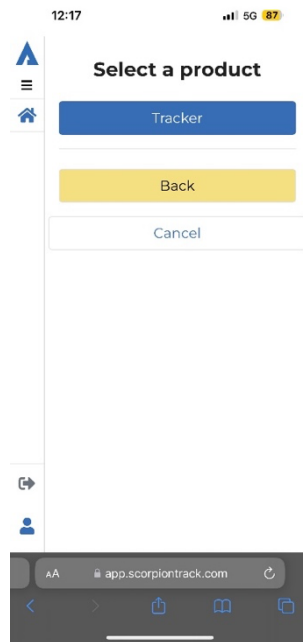

STEP 4.

You must now create your account. Fill out the form and choose your password. To proceed, you must select the 'I'm not a robot' checkbox and complete the reCAPTCHA form. Once done, you can click 'Create My Account'.
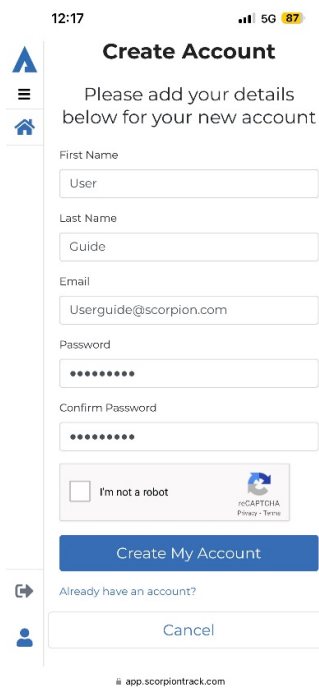
STEP 5.

On the 'Select a product' page, click 'Tracker' and continue.

STEP 6.

You will now assign your device to your customer account. You must choose a name for the asset that the tracker is being fitted to i.e. 'John Smith's Car' and input the tracker's IMEI. This can be found on the large silver label on the unit. Alternatively, you can use the QR scan to upload the IMEI (see below). Once the 'Asset Name' and 'IMEI' fields have been filled in, click 'Activate' to continue to the next step.

IMEI 15 DIGITS

IMEI QR

IMEI QR scan
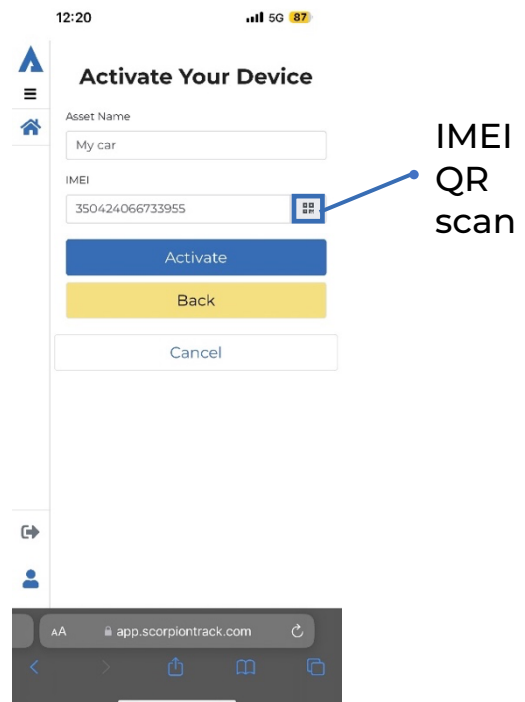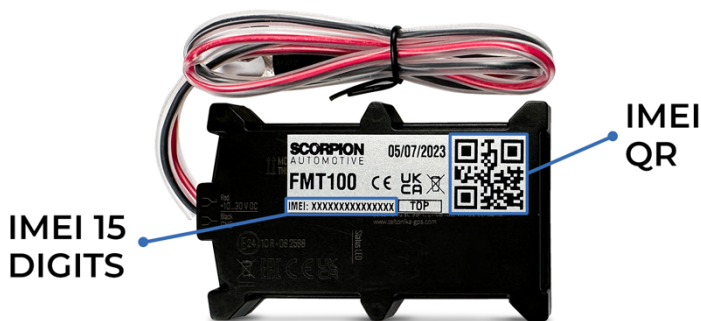
STEP 7.

On this page, you can choose and activate your subscription. Click 'Subscribe' and fill out the card details form with your chosen bank card. Once filled, click 'Confirm details' to process the payment.
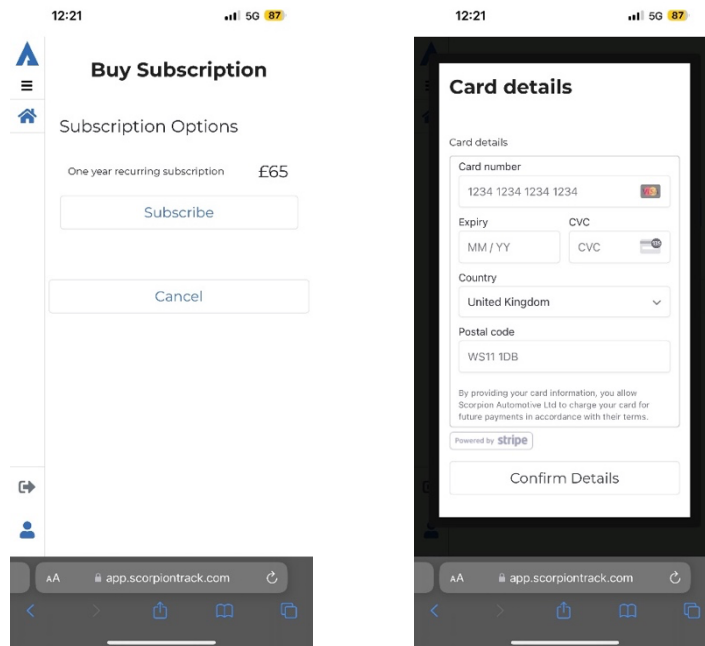
Once the payment processes successfully, you will be brought to the final page where you can view your subscription, download our ScorpionTrack app or view your asset's details. You now need to install the tracking device if you haven't already and turn the ignition on to activate the subscription.
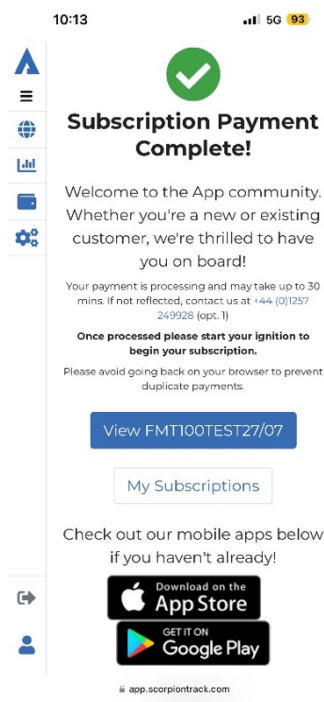
2. STAGE TWO
PHYSICAL INSTALLATION

FMT100 Diagram

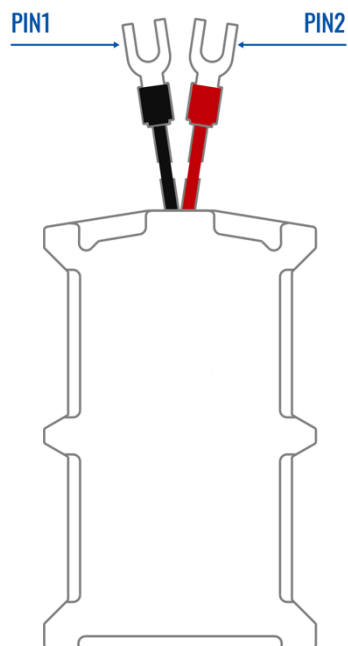TOP VIEW

POWER
WIRES

STATUS
LED

NAVIGATE
LED
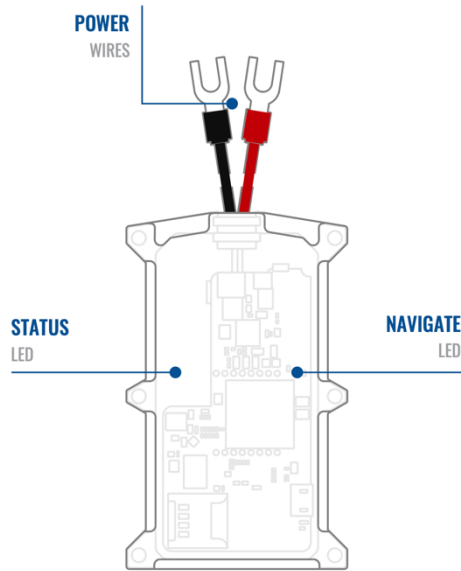
PINOUT

PIN NUMBER	PIN NAME	DESCRIPTION
1	VCC (10-30)V DC (+)	(Red) power supply (+10-30 VDC)
2	GND (-)	(Black) Ground

PIN1   PIN2

FMT100 pinout

Mounting Recommendations

Device Fastening
- Locate the battery in your vehicle. If present remove the battery cover to access the battery.
- There is double-sided tape on the back of the device (figure 12 double-side tape on the back), use it to attach the device on the battery so that the GNSS antenna and LED indicators are facing up.
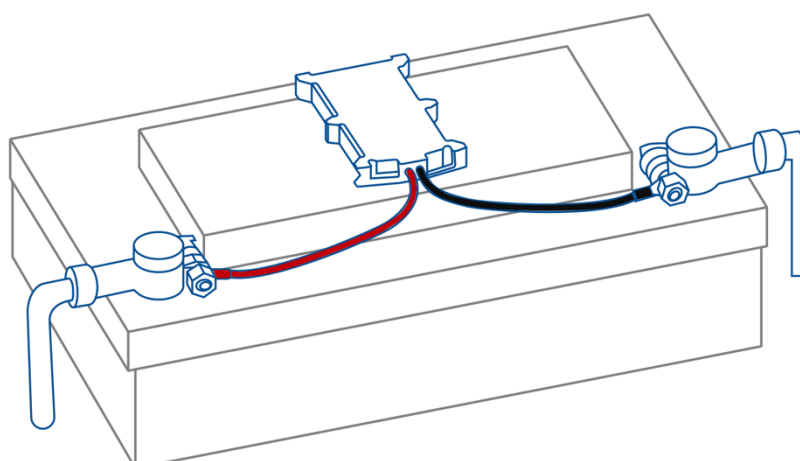
Connect the Power Wire
The device power wire is designed to be directly connected to the positive terminal fastener of the vehicle battery.

Connecting the Ground Wire
The device ground wire is designed to be directly connected to the negative terminal fastener of the vehicle battery
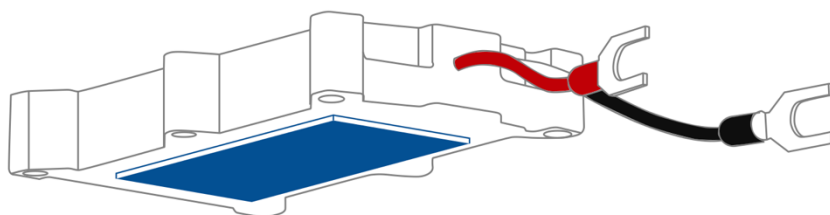
Double sided tape on the back

Example of device mounting

LED Indicators

Navigation LED Indicators

Behaviour	Meaning
Permanently switched on	No GNSS signal
Blinking every second	Normal mode, GNSS is working
Off	GNSS is turned off because: Device is not working or Device is in sleep mode
Constant fast blinking	Device firmware is being flashed

Status LED Indicators

Behaviour	Meaning
Blinking every second	Normal mode
Blinking every two seconds	Sleep mode
Blinking fast for a short duration	Modem activity
Off	Device is not working or Device is in boot mode (start the ignition of the vehicle to power up the unit)

Power

Input voltage range	10 – 30 V DC with overvoltage protection
Back-up battery	170 mAh Li-Po battery 3.7 V (0.63 Wh)
Power consumption	At 12v < 2,5 mA (Ultra Deep Sleep) At 12V < 5 mA (Deep Sleep) At 12V < 5,5 mA (Online Deep Sleep) At 12V < 6,5 mA (GPS Sleep) At 12V < 24 mA (nominal)

Physical Specifications

Dimensions	92.5 x 57.6 x 14 mm (L x W x H)
Weight	63g