



Enabling Industrial IoT



SENTRY-G-LTE4 (EU/US)

Remote Signal Analyser & Datalogger with GNSS

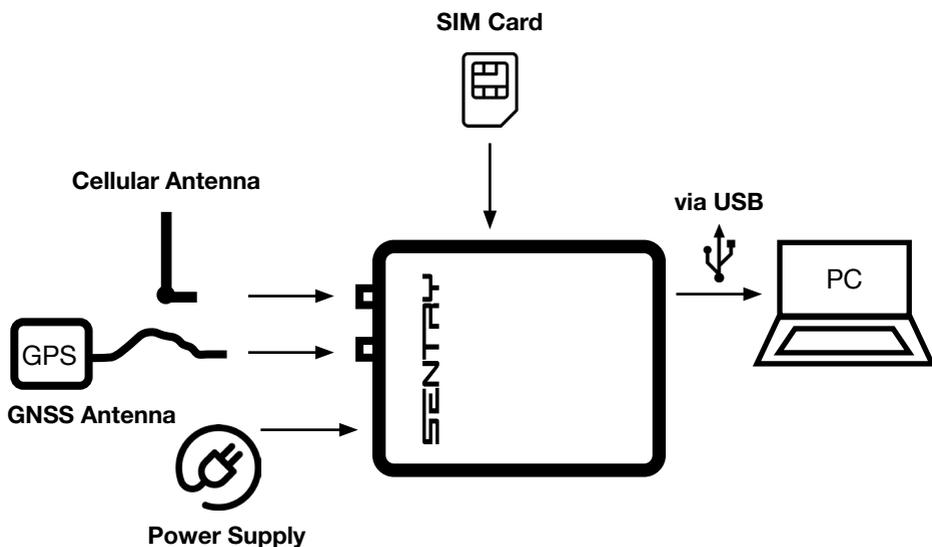
Quick Start Guide

Rev 1.1

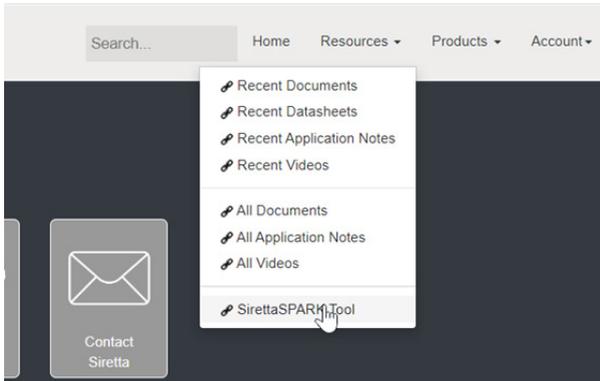
This getting started guide explains how to prepare the SENTRY for first use, and how to conduct and view surveys using the CloudSURVEY Portal. This guide shows summarised steps that should be suitable for most users, but more a more detailed explanation is given in the SENTRY hardware user's manual, SirettaSPARK Users manual and the CloudSURVEY user's manual.

Preparing for first use

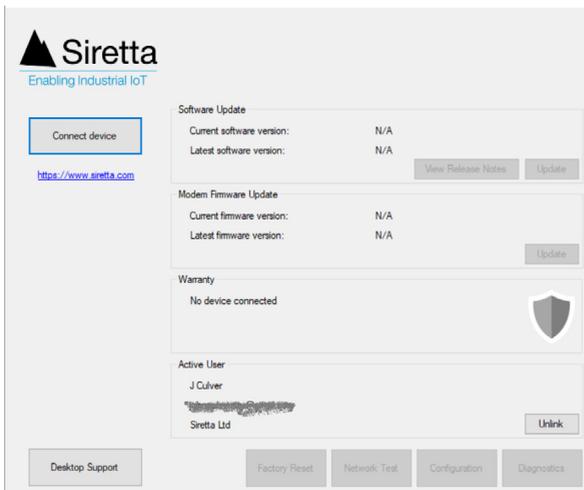
1. Select and procure a SIM card. A contract SIM is recommended as PAYG SIMs often have a setup process that will require a mobile phone.
2. Insert SIM card into the SENTRY and connect antennas, power supply and USB cable as shown.



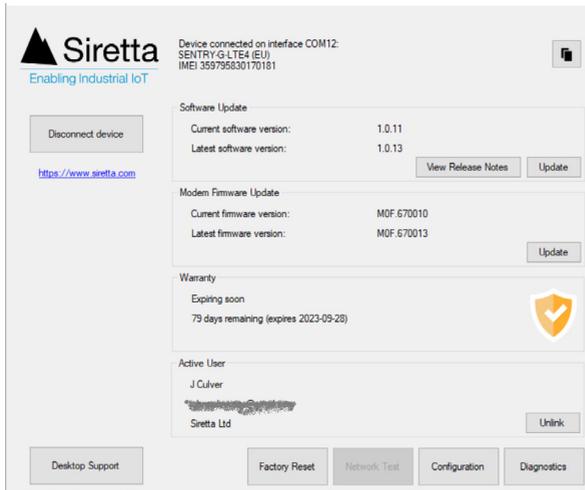
1. Register an account on the Siretta Portal at <https://portal.siretta.com/> and log in
2. Navigate to the SirettaSPARK tool page which is found under the resources tab, and download the SirettaSPARK tool.



3. Run SirettaSPARK and activate it using the activation key that is on the SirettaSPARK page. This key is unique to the logged in user. This associates the user with the SirettaSPARK tool.
4. Ensuring first that the SENTRY is powered and connected using a USB cable to the PC running SirettaSPARK, click the 'Connect Device' button. This will search for connected devices and find the SENTRY.



5. Details of the connected SENTRY will be displayed.



This may show that there are software and/or firmware updates available for the connected SENTRY as in the screen shot. If this is the case, update first the software and then the firmware by pressing the update button. Power cycle the SENTRY after applying any update. If no updates are required, the update button will be inactive.

6. Press the Configuration button to reach the configuration screen:

CLOUD SURVEY Use this section to add your device to your account and configure your network settings to get online

Device Network Settings

APN

APN username

APN password

SIM PIN

Device Operation Settings

Device state

Cycle interval

Operation mode

Survey type

Network Steering

Baud rate

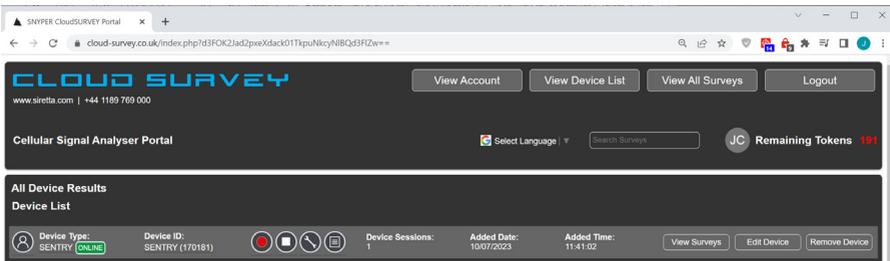
Powerup behaviour

Enter the the configuration information required by the SIM provider: APN name, and optionally username and password. EE (UK) SIM configuration is shown as an example in the screenshot. Press the 'Save to device' button to save the APN settings.

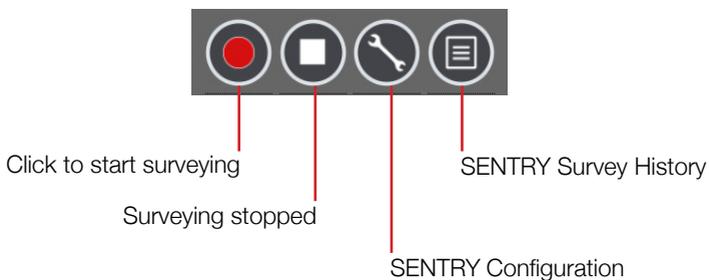
- Power cycle the SENTRY for the settings to take effect. On first boot, it can take several minutes to connect to the cellular network. When the green and blue LEDs on the side of the SENTRY are permanently lit, and the red LED is blinking slowly, the SENTRY is connected to the cellular network and set up. Connection using the USB cable is no longer required.

Surveying and viewing results using CloudSURVEY

Log into CloudSURVEY at <https://www.cloud-survey.co.uk/> using the same log in credentials used for <https://portal.siretta.com>. The SENTRY that has just been configured will be visible in the device list, and the green online icon should be shown by the SENTRY name in the Device Type column.

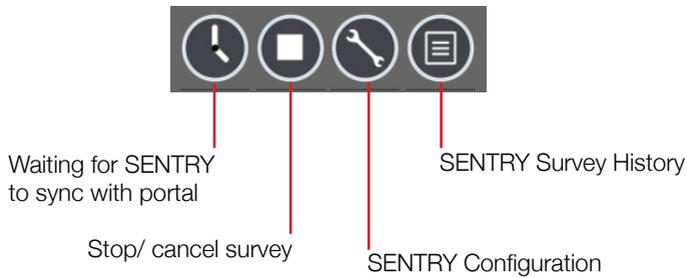


The 4 circular buttons control the operation of SENTRY:

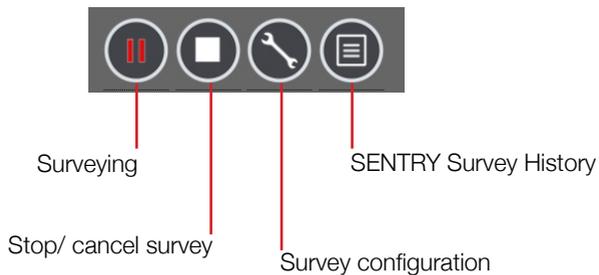


Click the survey configuration button to setup the cellular survey type required, its start conditions, and the required survey duration. Remember to click 'Update Device Information' to save the configuration.

When the survey configuration has been set, click the survey button to start surveying.

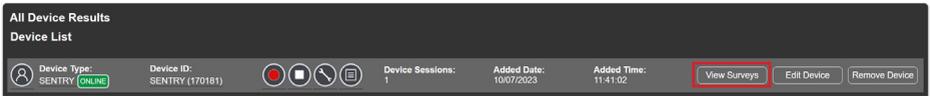


The survey button changes to a timer while the instructions for the survey are sent to the SENTRY.



Then when surveying is in progress it changes to a red pause icon. To pause surveying, press the red pause button. To stop a survey immediately, press the stop icon. The survey button will change state to a timer while the SENTRY synchronises with the server. The view survey history button lists all surveys completed on the SENTRY.

The full survey results can be viewed by clicking on the button marked 'View Surveys'.



Surveys can be viewed even while they are in progress – it is not necessary to stop a survey to view the results already obtained.

For more information on how to use CloudSURVEY please refer to the CloudSURVEY user manual.



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