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Inspired Wireless M2M Technology

SNYPER-LTE

Cellular Signal and Network Analyser

Quick Start Guide

Rev 1.2

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Case Contents

Unpack the case contents to begin using your SNYPER-LTE signal strength tester.

1. SNYPER-LTE signal and network analyser
2. Multi region power supply
3. Blue antenna - General purpose LTE(4G), UMTS(3G) & GPRS(2G) coverage
4. Silver antenna - For LTE 2600MHz only
5. USB cable
6. In car charger
7. Hard carrying case
8. Quick start guide

Figure 1. SNYPER-LTE case contents

Preparing the SNYPER-LTE

1. Select and attach the antenna required for the network you will be surveying (Blue antenna - 2/3/4G / Silver antenna - 2600MHz). Screw the antenna onto the SNYPER-LTE by turning clockwise until the antenna is firmly connected.

2. This device requires an active 4G enabled SIM when performing surveys on all LTE, UMTS and GSM networks. Insert SIM card as show below.

3. The SNYPER-LTE needs to be charged using the mains adaptor for 6 - 8 hours before initial use.

4. Power on the SNYPER-LTE by pressing and holding the power button. See figure 3 for power on screen.

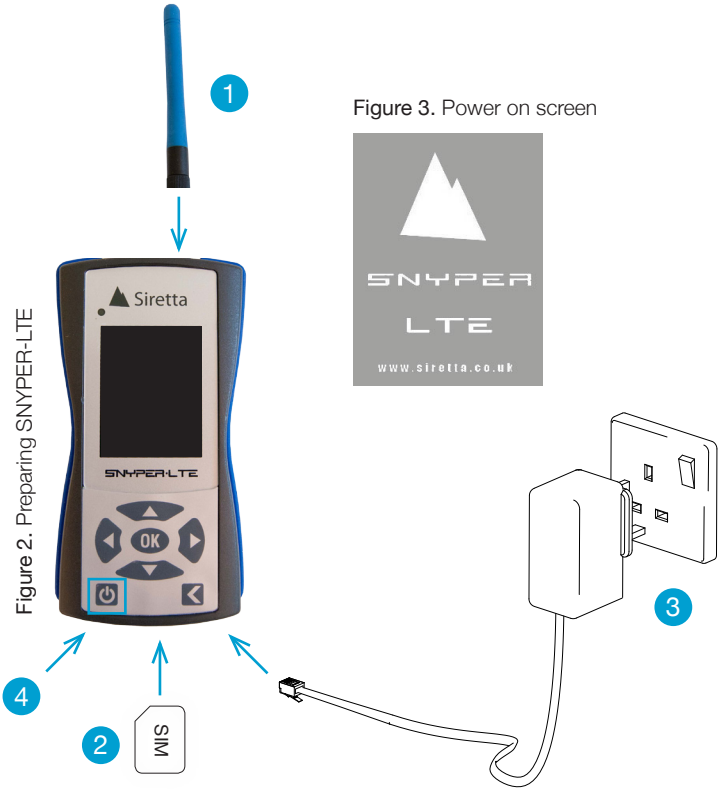

Figure 2. Preparing SNYPER-LTE

Figure 3. Power on screen

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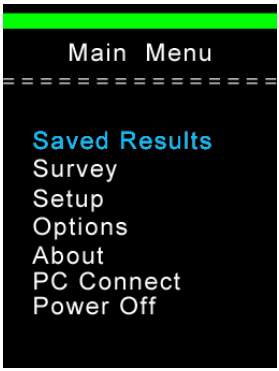
Main Menu

The main menu will be displayed when the SNYPER-LTE has successfully powered on. The main menu has 7 menus (as shown below in **figure 4**), these can be selected using the UP/DOWN buttons. Once the chosen menu is highlighted, click the OK button. Press the BACK button to return to the main menu.

Figure 4. 'Main Menu' screen



Saved Results

Saved Results: Reviews previously saved survey.

Survey

Survey: Used to perform a new survey.

Setup

Setup: Basic setups of the SNYPER-LTE.
(Brightness / Auto Off / Delay / CRG Rate / Text / HTML)

Options

Options: User options for the SNYPER-LTE.
(Standard / Factory Reset)

About

About: Displays information about the SNYPER-LTE.
(Version / Settings)

PC Connect

PC Connect: Download of data to PC.

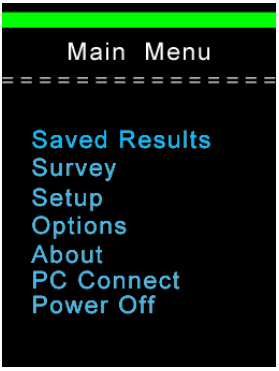
Power Off

Power Off: Powers off the SNYPER-LTE.

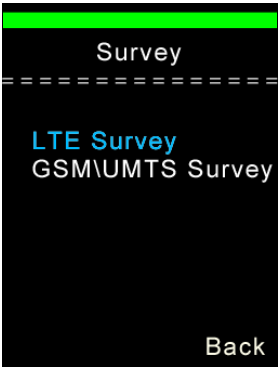
Performing an LTE Survey

1. Use the menu buttons to select ‘Survey’, click the OK button.
2. Select ‘LTE Survey’, click the OK button.
3. Survey will begin performing

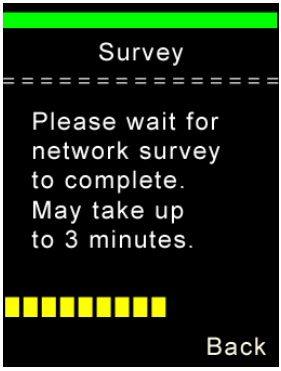
1 Figure 5. Select survey



2 Figure 6. Selecting LTE survey



3 Figure 7. Performing survey



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View LTE Survey Results

After the LTE survey has finished performing, a summary of all LTE results will be displayed (as shown in figure 8). Using the menu buttons, select the network results you wish to view. Press OK (see figure 9 for network results).

Figure 8. 'Survey Menu' screen

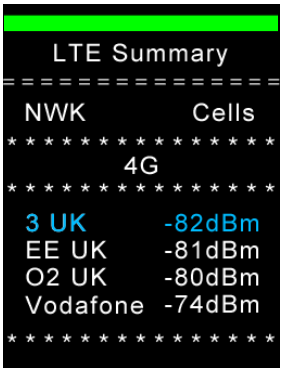
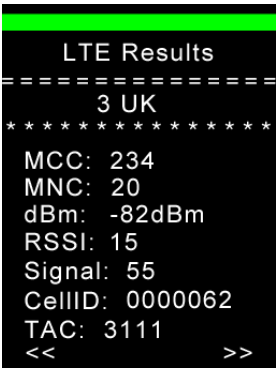


Figure 9. LTE results

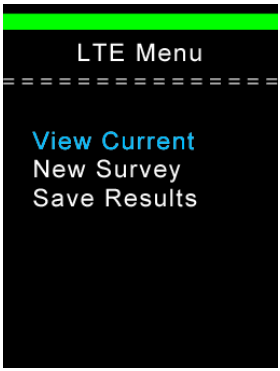


NOTE: See 'SNYPER-LTE - User Manual' if you require more information on interpreting survey results.

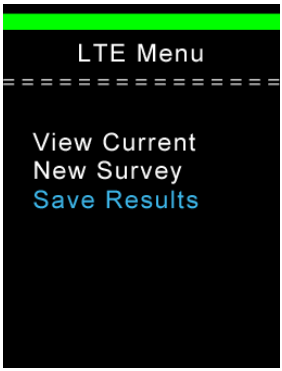
Save LTE Survey Results

1. Press the back button until you return to the ‘LTE Menu’ screen.
2. Select ‘Save’, click the OK button.
3. Results will save.

1 **Figure 10.** Saving results



2 **Figure 11.** Selecting save option



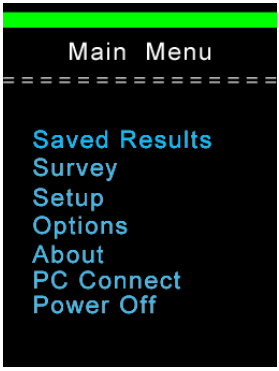
3 **Figure 12.** LTE results being saved

NOTE: The SNYPER-LTE can store 1 LTE survey.

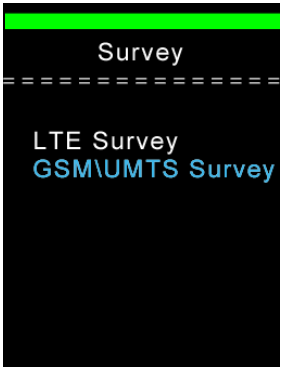
Performing a GSM/UMTS Survey

1. Use the menu buttons to select ‘Survey, click the OK button.
2. Select ‘GSM/UMTS’, click the OK button.
3. Survey will begin performing

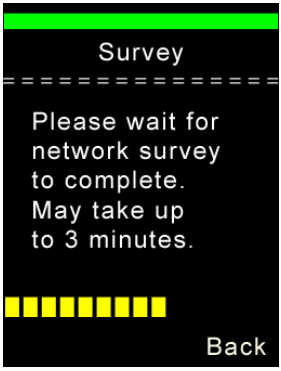
1 Figure 13. Select survey



2 Figure 14. Selecting GSM/UMTS survey



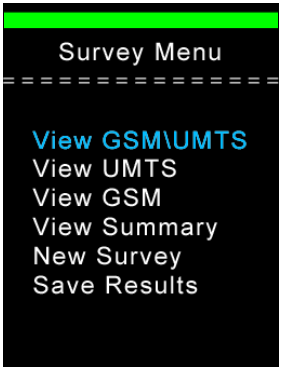
3 Figure 15. GSM\UMTS results being saved



View GSM/UMTS Survey Results

After the survey has finished performing, the 'Survey Menu' will be displayed (as shown in figure 16). Use the menu buttons to select the results you wish to view. Press OK.

Figure 16. 'Survey Menu' screen



View GSM\UMTS

GSM & UMTS: Displays GSM & UMTS survey results.

View UMTS

UMTS: Displays UMTS survey results.

View GSM

GSM: Displays GSM survey results.

View Summary

Summary: Displays an overview of all networks and number of base stations for given signal strength.

New Survey

New Survey: Performs a new network survey.

Save Results

Save: Saves the results of the performed survey.

Figure 17. GSM results

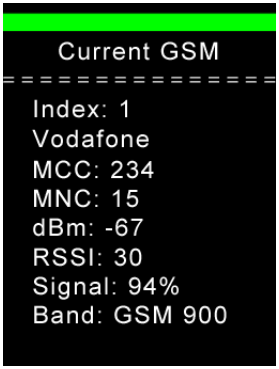


Figure 18. GSM/UMTS summary

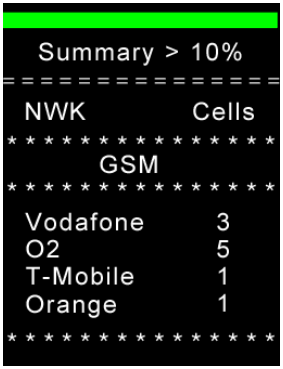


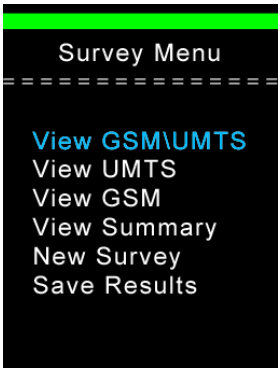
Figure 19. Saving data

NOTE: See 'SNYPER-LTE - User Manual' if you require more information on interpreting survey results.

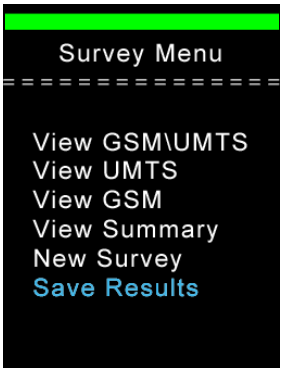
Save GSM/UMTS Survey Results

1. Press the back button until you return to the ‘Survey Menu’ screen.
2. Select ‘Save’, click the OK button.
3. Results will save.

1 **Figure 20.** Saving results



2 **Figure 21.** Selecting save option



3 **Figure 22.** GSM/UMTS results being saved

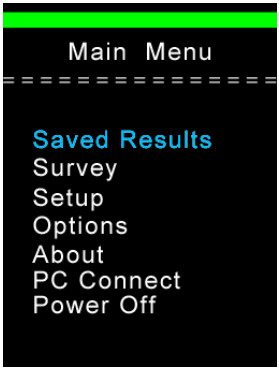
NOTE: The SNYPER-LTE can store 1 combined GSM & UMTS survey from any one location, network permitting.

Viewing Saved Results

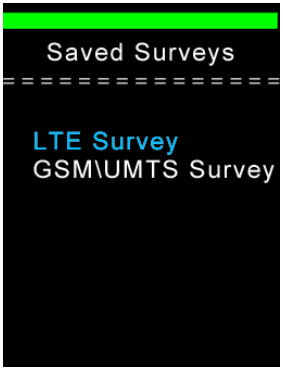
1. Use the menu buttons to select ‘Saved Results’, click the OK button.
2. Select ‘LTE Survey’ or ‘GSM/UMTS Survey’, click the OK button.
3. Use the menu buttons to select the saved results you wish to view, click ‘View’.

LTE Results

1 Figure 23. Selecting saved results



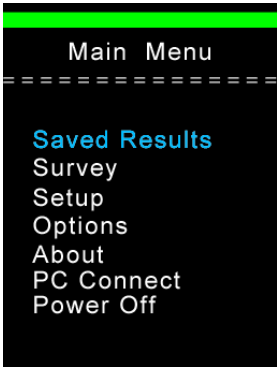
2 Figure 24. Select results you wish to view



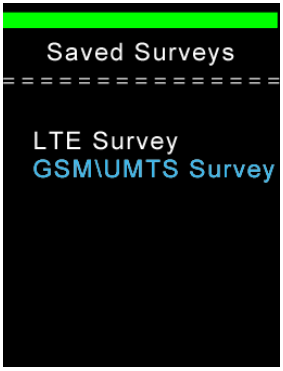
3 Figure 25. Select saved results to view

GSM/UMTS Results

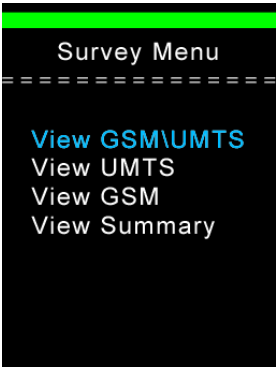
1 Figure 26. Selecting saved results



2 Figure 27. Select results you wish to view



3 Figure 28. Select saved results to view



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Downloading Saved Data

1. Connect supplied USB cable to the SNYPER-LTE and PC.

2. From the SNYPER-LTE ‘Main Menu’ select ‘PC Connect’ and ‘Enable’. From the PC select ‘Open Folder to View Files’ and open saved files (copy files to hard drive as required).

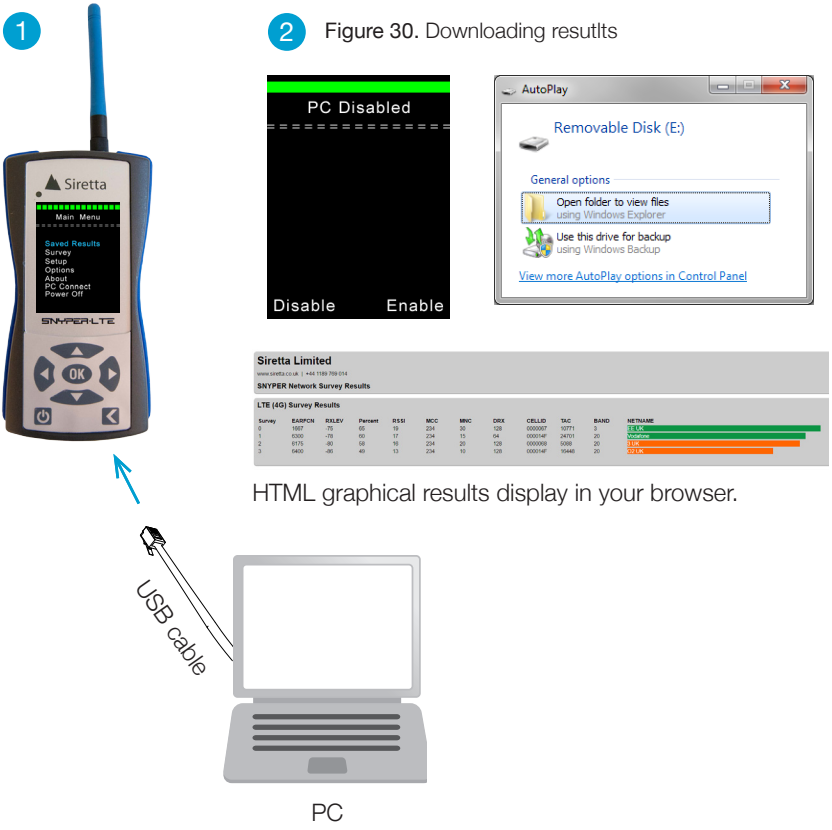

Figure 29. Connecting USB cable

Figure 30. Downloading resutlts

HTML graphical results display in your browser.

Powering Off the SNYPER-LTE

After use, remember to power off the SNYPER-LTE. This can be done by:

» Selecting the ‘Power Off’ option from the main menu. The SNYPER-LTE will display a power off message.

» Press and hold the ON/OFF button on the SNYPER-LTE for >2 seconds. The SNYPER-LTE will display a power off message.

Further Information

Full user guide for the SNYPER-LTE can be downloaded from the Siretta website.

www.siretta.co.uk/snyper-lte

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