Technical Notification

COBHAM

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EXPLORER® 510
Software release version 1.06

Subject:

Please be informed that a new software version 1.06 has been released.
This software release only applies to new EXPLORER 510 part number 403711A-505 and later.

Priority:

LOW: For information purposes only – no direct action needed!

Changes from software version 1.05 to version 1.06:

New Features:

Support for new HW revision updated to comply with the updated EU Radio Equipment Directive (2014/53/EU).

- The new HW & SW can detect and mitigate potential LTE blocker frequencies in the Forward BGAN Extended L-band (XL) (1518 – 1525 MHz).
- The terminal receiver will monitor for optional LTE blocker frequencies with the following options:
  - o If "Low level" blocker signals is detected the mitigation function will:
    - Enable LTE blocker filters to protect the BGAN operation.
    - Generate the following stateful event:
      - o EV_BDU_BP_LTE_BLOCKER_LOW
  - o If "High level" blocker signals is detected the mitigation function will:
    - Disable XL support and re-register without XL support to protect the BGAN operation. If so, the XL support will be disabled until the next restart of the terminal.
    - Generate the following stateful event:
      - o EV_BDU_BP_LTE_BLOCKER_HIGH
      - o EV_BDU_BP_LTE_BLOCKER_REREGISTER
- This LTE blocker function will only be supported on EXPLORER 510 part number 403711A-505 and later

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Updated Features & Bug fixes:
None

Notes about known limitations:
EXPLORER 510 part number 403715A-505 and later requires SW rev. 1.06 or higher.
- Attempting to install SW rev. prior to rev. 1.06 will be rejected.

Action:
Download & extract file **EXPLORER510_ver_106.zip** located at Cobham SATCOM Sync partner login: https://sync.cobham.com/ - or at the Cobham SATCOM Sync Support section: https://sync.cobham.com/satcom/support.

To update the software in the EXPLORER 510 via the web interface, do as follows:

1. Connect external AC/DC adapter.

2. Open the web interface at address http://192.168.0.1 or http://ut.bgan and enter the Control panel.
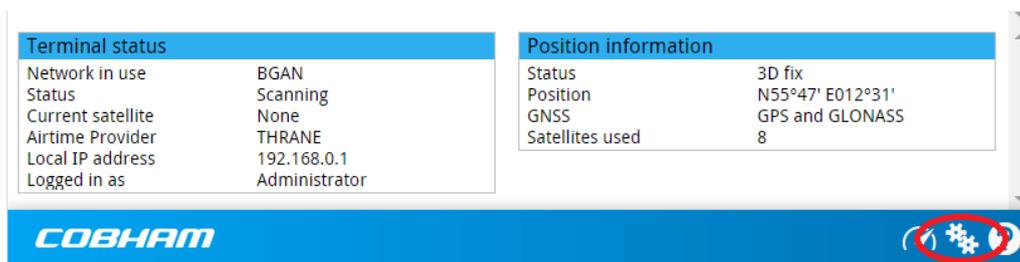
3. Click Support.
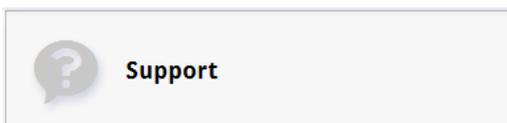
4. Click Update Software.
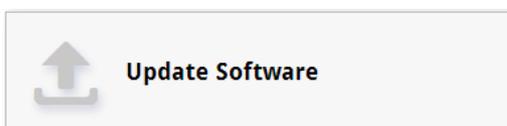
5. Click Update software.
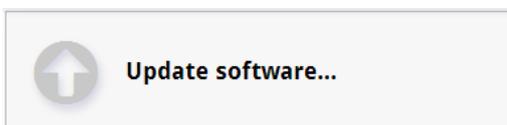
6. Browse to the new software version and click Open. The software file has the extension ".tiif". The EXPLORER 510 will upload the file and start updating the software.

↑ Update Software
Control panel > Support

Updating software...
Progress 30%
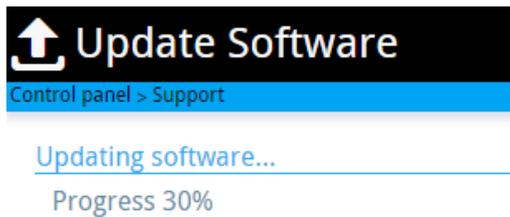
Note, that during this phase, the Status LED on the terminal will be flashing in blue colour.

Important! – Do not switch off the terminal while the Status LED is flashing in blue colour!!

The EXPLORER 510 now reboots and starts up with the new software version.

Status LED will turn steady green when upgrade is successful.

Checking web interface for correctly loaded software version 1.06 Build number 7:

7. Enter Control panel as in step 1 - and Click Support.

8. Click About.

Alternative upload procedure using USB stick:

To update the software via the USB stick you will need a FAT formatted USB Flash drive (memory stick) with a capacity of at least 100MB, and do the following:

1. Insert the USB memory stick into your computer and copy the EXPLORER 510 software image file to the drive.

2. Rename the file name to "tt3711a.tiif".

3. Remove the USB memory stick from the computer (also known as "safely remove hardware").

4. Insert the USB memory stick into the EXPLORER 510 USB connector.

5. The EXPLORER 510 will read the software image from the USB memory stick and after a short moment start the software update process.

6. To indicate the software update process is ongoing, the EXPLORER 510 status LED will be flashing blue.

7. Wait for the status LED to become green to indicate the software update process is completed.

8. Remove the USB memory stick.

9. Reboot the terminal.

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