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**EXPLORER® 710**  
**Software release version 1.09**

**Subject:**

Please be informed that a new software version 1.09 has been released.  
This version introduces updated features and bug fixes.

**Priority:**

**MEDIUM:** It is recommended to apply this change / initiative to all units in stock.  
For units sold it is recommended to apply this change / initiative next time the system(s) is inspected.

**Changes from software version 1.08 to version 1.09:****New Features:**

Support for Dedicated Connections (PDP)

- Dedicated PDP's (DHCP, Static) can be defined and activated from local web interface or from remote (SMS).
- Active Dedicated PDP's are displayed on the local display, but cannot be controlled from the keypad.

Support for IP Handset TT-3672A.

Indicating of suspended IP connection

- In case the BGAN signal is lost (e.g. due to blockings) the E710 will temporarily suspend, but try to maintain an active IP connection (PDP)
- The Connection Package (CP) icon for the active PDP will change colour from green to yellow and Status will change from 'Data' to 'Data suspended' to indicate the IP connection temporarily is suspended.

Possibility for respond to on-air ping requests. This function is by default disabled.

**Updated Features:**

Increased Security

- Downgrade to previous versions not possible.
- General improvements on cyber security. Visible changes are:
  - o New "Security" web-tile
  - o Optional support for Thrane IP Handset
  - o Optional disable access to AT command shell from LAN interface.

- Optional disable required login to AT command shell
- Optional redirection to HTTPS for Web interface access. Optionally with use of private certificate.

Terminal Watchdog (TWD) will now only conduct one recovery reboot per interval

- To avoid repeated recovery reboot

Updated Web tile icons.

Support for User defined APN for Tracking sessions

For new and update features please refer to the updated User manual, 98-140012, rev. H for additional details.

### Bug fixes:

Support of Bonding basic functions

- Fixing issue with Bonding function in ver. 1.08.

Improved implementation of ISDN & 3.1kHz.

Improved implementation of DTMF function and configurable SLIC impedance

- The Two-wire interface impedance is now configurable in order to adapt to different environments.

SMS GETINFO now returns the IP address for the primary connection no matter how the connection was initiated.

- Note that Global IP value is empty when operating in Cellular mode.

General improvements and stability.

### Limitations:

Restriction when software upgrade is done when powered by battery.

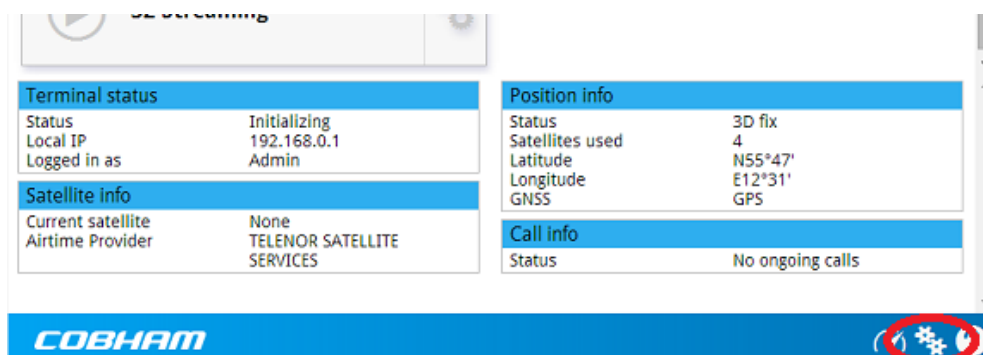
- If the battery capacity is below 25% a SW upgrade will be rejected.

### Action:

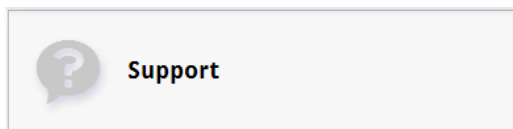
Download & extract file **EXPLORER710\_ver\_109.zip** located at Cobham SATCOM Sync partner login: <https://sync.cobham.com/> - or at the Cobham SATCOM Sync Support section: <https://sync.cobham.com/satcom/support>.

To update the software in the EXPLORER 710 via the web interface, do as follows:

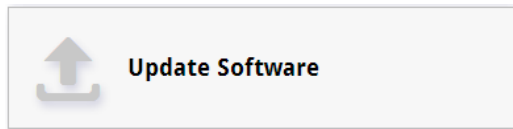
1. Connect external AC/DC adapter.
2. Open the web interface at address <http://192.168.0.1> or <http://ut.bgan> and enter the Control panel.



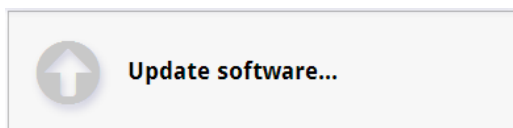
3. Click Support.



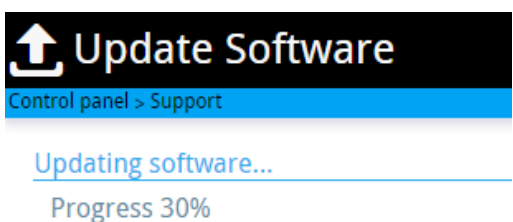
4. Click Update Software.



5. Click Update software.



6. Browse to the new software version and click Open. The software file has the extension ".tiff". The EXPLORER 710 will upload the file and start updating the software.



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 710 now reboots and starts up with the new software version.**

Note: During this phase, the display may **briefly show “Missing SIM” which is normal.**

If the status LED is flashing blue after rebooting, it is because the upgrade is being completed.

Do not power off while it is flashing in blue colour!!

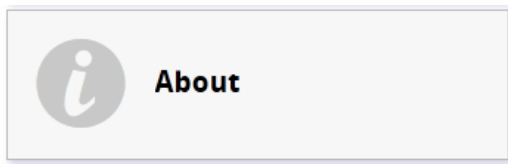
Status LED will turn green when upgrade is successful.

Checking web interface for correctly loaded software version:

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



8. Click About.



Checking terminal keypad/display for correctly loaded Software version: 1.09 Build number: 7

 >Properties>Software

**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 710 software image file to the drive.
2. Rename the file name to "tt3720b.tiif".
3. Remove the USB memory stick from the computer (also known as "safely remove hardware").
4. On the EXPLORER 710, check in the display that the USB interface is enabled.
5. Insert the USB memory stick into the EXPLORER 710 USB connector on the front.
6. The EXPLORER 710 will read the software image from the USB memory stick and after a short moment start the software update process.
7. To indicate the software update process is ongoing, the EXPLORER 710 status LED will be flashing blue.
8. Wait for the status LED to become green to indicate the software update process is completed.
9. Remove the USB memory stick.
10. Reboot the terminal.

**Cobham SATCOM**  
Customer Service