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EXPLORER® 540
Software version 1.05

Subject:

Please be informed that a new software version 1.05 has been released..
This version includes new features, 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 initial software version 1.04 to version 1.05:**New Features:**

Support for external "Primary connection" via LAN connection.

- The Web interface offers two new operational modes: "External modem preferred" and "External modem preferred (PRISM)"

Support for three new internal modems and possible external LTE router.

- Support for three new internal modem types with external antennas:
 - o NimbeLink Skywire, Quectel QBG96
 - o NimbeLink Skywire, Telit, 3G HSPA+
 - o NimbeLink Skywire, Telit, 4G LTE, EU

Support for IP Handset TT-3672A.

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

Updated Features:

Reduced minimum signal level needed for auto-installation.

Updated Power Control implementation

- New power control modes "Always on", "Remote On/Off", "Idle mode"
- New AT cmd "AT_ITREMONOFF" has been implemented
- Please note that any current "Power Save" setting will be reset when upgrading to SW 1.05. The default mode will be "Always on".

New web-tile “GPIO pins” for General Purpose I/O settings

- Reflecting the new Power Control settings, the GPIO setting for pin 2 & 3 has been moved to a new tile.

Increased Security

- In general this SW release has been updated to improve cyber security. Visible for the End-User are:
 - o New “Security” web-tile
 - o Optional support for Thrane IP Handset
 - o Optional disable access to AT command shell from LAN interface.
 - o Optional disable required login to AT command shell
 - o Optional redirection to HTTPS for Web interface access. Optionally with use of private certificate.

SMS command WANMODE updated

- WANMODE updated to support the new operational modes for “7 = External modem preferred” and “8 = External modem preferred (PRISM)”

For new and update features please refer to the updated User & integrator’s manual, 98-148232, rev. G for additional details

Bug fixes:

SMS GETINFO now returns the IP address for the primary connection (Cellular or BGAN) no matter how the connection was initiated.

Correct support of the EXPLORER Connect App menu items

EXPLORER 540 did not return to Power Save after a Terminal Watchdog reboot.

Predefined context parameters were not used, if the defined Connection Package was activated remotely using SMS.

EXPLORER 540 could fail to generate and upload remote requested Diagnostic file.

General improvements.

Action:

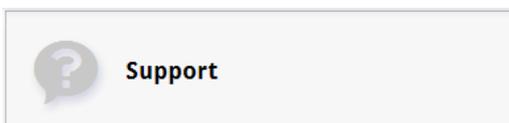
Download & extract file **EXPLORER540_ver_105.zip** located at Cobham SATCOM Sync partner login: <https://sync.cobham.com/> - or at the Cobham SATCOM Sync Support section: <https://sync.cobham.com/satcom/support>.

To update the software in the EXPLORER 540 via the web interface, do as follows:

1. Open the web interface at address <http://192.168.0.1> or <http://ut.bgan> and enter the Control panel.



3. Click Support.



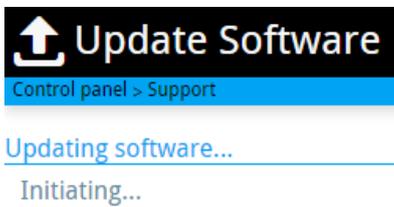
4. Click Update Software.



5. Click Update software.



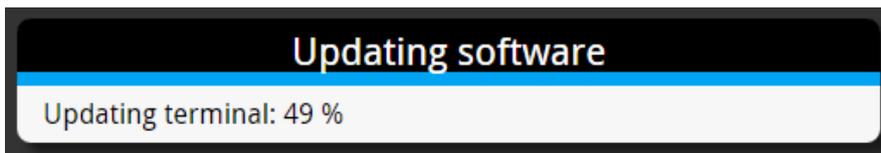
6. Browse to the new software version and click Open. The software file has the extension ".tif". The EXPLORER 540 will upload the file and start updating the software.



Important! – Do not remove power to the terminal during the update process!!

The EXPLORER 540 now reboots to continue the update process.

Shortly after the reboot, the update process can be followed in the web interface at <http://192.168.0.1> or <http://ut.bgan> by login as 'user'.



Checking web interface for correctly loaded software version 1.05 Build number 14:

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



8. Click About.



Remote software upgrade:

You can initiate a remote software upgrade with an AT command, either from the command interface or encapsulated in an SMS (ATCO command).

For detailed syntax and parameters, see page 42 and Appendix B of the user manual.

AT_IGETFW=1

Will command the terminal to get the software from the default FTP server via default APN and download and then upgrade the software in the terminal.

Note: With M2M subscription you can use Inmarsat's M2M FUP server (default FTP server for software upgrade like in example above). This is not available for Non-M2M subscriptions.

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