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SAILOR 500/250/150 FleetBroadband
SAILOR Fleet One / Optus MobileSat
EXPLORER 727/ 325

Software release version 1.21

Subject:

Please be informed that a new software version 1.21 for the following Cobham SATCOM products has been released:

- SAILOR 500 FleetBroadband TT-3740A
- SAILOR 250 FleetBroadband TT-3742A
- SAILOR 150 FleetBroadband TT-3744A
- SAILOR Fleet One TT-3744A-00581
- Optus MobileSat TT-3721A-00550
- EXPLORER 727 TT-3722A
- EXPLORER 325 TT-3721A

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.

Major changes from software version 1.20 to version 1.21:

- Alphasat/XL support on EXPLORER systems
 - Added support for antennas supporting Inmarsat Alphasat/XL: E727, E325, E250
- Geo-fencing (SAILOR FleetOne)
 - Function to restrict BGAN operation to geographical defined area

- GX to BGAN fallback
 - Support for Inmarsat NSD router.
 - Future requirements for Inmarsat Fleet Express.

Important bug-fixes

- Added support for AT+CSQ command.
- Allow multiple PDP contexts on SAILOR 150

Action:

Download file **FBB_E325727_FleetOne_Optus_ver_121.zip** located at Cobham SATCOM partner extranet at <http://extranet.thrane.com/Support.aspx> or at Technical Downloads here: <http://esupport.thrane.com/?group=SSC>.
Save and extract to your hard drive.

Download software from the terminal web MMI:

Alternatively, the file can be downloaded from the Cobham SATCOM FleetBroadband update server via the SAILOR web server (shown below). Please note that if this is over air transmission, it will add cost to your airtime bill. **File size is approximately 7.0 MB!!**

From web interface:

1. Make sure the terminal is switched on and connect the Ethernet cable to your PC.
2. Open your web-browser and open the web interface of the terminal at address <http://192.168.0.1/>
3. Select **SETTINGS**.

The screenshot shows the SAILOR web interface. At the top, there is a 'SIGNAL:' indicator with a bar graph. Below this is a sidebar menu with the following items: DASHBOARD, CONNECT, PHONE BOOK, MESSAGES, CALLS, **SETTINGS** (highlighted with a red circle), ADMINISTRATION, HELPDESK, and SITE MAP. The main content area is divided into three columns. The first column is titled 'PROPERTIES' and lists various system parameters such as Airtime provider, GPS position, Status, Satellite selection, Current satellite, Unit serial number, Software version, Local IP address, IMEI number, and Antenna status. The second column is titled 'SESSIONS TOTAL' and shows usage statistics for different services like Standard voice inbound/outbound, 3.1 kHz audio inbound/outbound, Standard data, Streaming 8 kbps, Streaming 16 kbps, Streaming 32 kbps, Streaming 64 kbps, Streaming 128 kbps, and Streaming 256 kbps. The third column is titled 'ONGOING DATA SESSIONS' and shows 'Tracking data (10.50.17.182)'. Below this, there is a section for 'PROFILES ON LAN (DEFAULT GROUP)' with a 'Start Standard' link and a 'Refresh' button.

Continued....

4. Select **Upload**.

The screenshot shows the Thrane & Thrane web portal interface. On the left is a vertical sidebar with menu items: DASHBOARD, CONNECT, PHONE BOOK, MESSAGES, CALLS, SETTINGS, LAN, Phone/Fax, ISDN, Common, IP handsets, Discrete I/O, Tracking, Upload (highlighted with a red circle), and Satellite selection. The main content area is titled 'ANTENNA' and displays the following information: 'Antenna bootloader version: 1.0', 'Antenna software version: 1.50', and 'Antenna serial number: 0'. Below this is the 'L-BAND CONNECTOR' section, which includes a label 'L-band connector' and two radio buttons: 'Enable' and 'Disable' (which is selected). At the bottom of this section are 'Apply' and 'Cancel' buttons.

5. Select **Check for updates** and when found, press download and store on the hard disk of the PC. **The file is approx 7.0 MB. Airtime fee applies!**

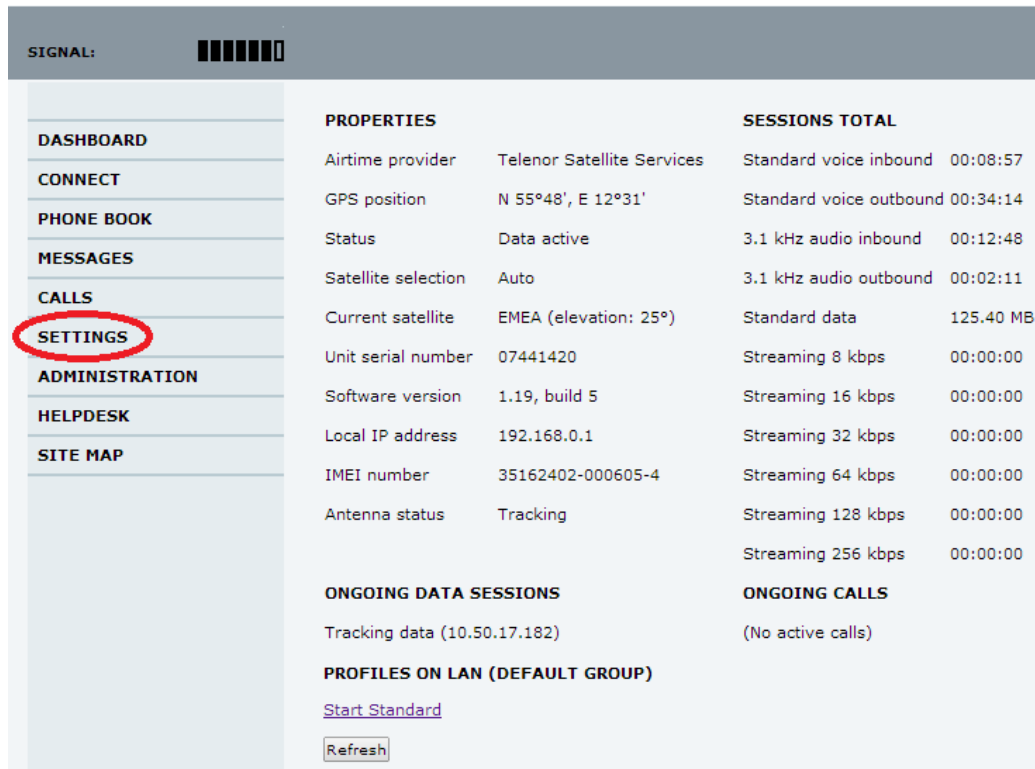
The screenshot shows the 'CHECK FOR SOFTWARE UPDATES' section of the Thrane & Thrane web portal. The left sidebar is identical to the previous screenshot, with 'Upload' selected. The main content area shows 'Current software version: 1.19'. Below this is a button labeled 'Check for updates', which is highlighted with a red circle. Underneath the button, it says 'Latest available: Not checked...' and 'File size'. Below this section is the 'UPLOAD SOFTWARE TO TERMINAL' section, which includes a 'Choose File' button, the text 'No file chosen', and an 'Upload' button. At the bottom, there is a disclaimer: 'Disclaimer for Downloading and Uploading software: Please be informed that downloading and installing software from the Thrane & Thrane web portal is at your own risk. Thrane & Thrane is not to be held liable for any possible damage with respect to downloading and installing software to your SAILOR 500 FleetBroadband. If you have problems or questions with respect to downloading software or uploading your terminal please be informed that you will have to contact the Thrane & Thrane distributor from where the terminal was purchased or contact your local Thrane & Thrane distributor. Please be advised that you will not be able to contact Thrane & Thrane for end user support and that we always recommend that software upgrades are being carried out by official Thrane & Thrane distribution partners.'

6. When the software is downloaded to the hard disk of the PC, follow the description below for updating the terminal.

7. End of download procedure.

Procedure for INSTALLING version 1.21

1. Make sure the terminal is switched on and connect the Ethernet cable to your PC
2. Open your web-browser and open the web interface of the terminal at address <http://192.168.0.1/>
3. Select **SETTINGS**.



The screenshot shows the terminal web interface. At the top, there is a 'SIGNAL:' status bar with a signal strength indicator. On the left, a vertical menu lists various options: DASHBOARD, CONNECT, PHONE BOOK, MESSAGES, CALLS, **SETTINGS** (highlighted with a red circle), ADMINISTRATION, HELPDESK, and SITE MAP. The main content area is divided into three columns. The first column, 'PROPERTIES', lists various system parameters like Airtime provider, GPS position, Status, Satellite selection, Current satellite, Unit serial number, Software version, Local IP address, IMEI number, and Antenna status. The second column, 'SESSIONS TOTAL', shows usage statistics for voice and data. The third column, 'ONGOING DATA SESSIONS' and 'ONGOING CALLS', displays active sessions. At the bottom, there is a 'PROFILES ON LAN (DEFAULT GROUP)' section with a 'Start Standard' link and a 'Refresh' button.

4. Select **Upload**.



The screenshot shows the 'SETTINGS' page of the terminal web interface. The left menu is expanded, and 'Upload' is highlighted with a red circle. The main content area is titled 'ANTENNA' and displays information about the antenna bootloader and software versions. Below this, there is a section for 'L-BAND CONNECTOR' with a radio button interface to enable or disable it. At the bottom of this section, there are 'Apply' and 'Cancel' buttons.

Continued...

- Click **Browse...** locate and select the software file stored and extracted to **bganx_bdu_1_21-0005.dl**, with Windows Explorer. Click **Upload** and verify that the upload is in progress.

DASHBOARD	CHECK FOR SOFTWARE UPDATES
CONNECT	Current software version 1.20
PHONE BOOK	<input type="button" value="Check for updates"/>
MESSAGES	Latest available Not checked...
CALLS	File size
SETTINGS	
LAN	
Phone/Fax	
ISDN	UPLOAD SOFTWARE TO TERMINAL
Common	<input type="button" value="Choose File"/> bganx_bdu_1_21-0005.dl <input type="button" value="Upload"/>
IP handsets	Disclaimer for Downloading and Uploading software: Please be informed that downloading and installing software from the Thrane & Thrane web portal is at your own risk. Thrane & Thrane is not to be held liable for any possible damage with respect to downloading and installing software to your SAILOR 500 FleetBroadband.
Discrete I/O	If you have problems or questions with respect to downloading software or uploading your terminal please be informed that you will have to contact the Thrane & Thrane distributor from where the terminal was purchased or contact your local Thrane & Thrane distributor.
Tracking	Please be advised that you will not be able to contact Thrane & Thrane for end user support and that we always recommend that software upgrades are being carried out by official Thrane & Thrane distribution partners.
Upload	
Satellite selection	
Language	
ADMINISTRATION	
HELPDESK	
SITE MAP	

- When the upload is done, the terminal will reboot. Select the address <http://192.168.0.1/> again and verify that the software version is listed as: **1.21, build 5** in the **DASHBOARD** under **PROPERTIES**.

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COBHAM

SIGNAL:

DASHBOARD

CONNECT

PHONE BOOK

MESSAGES

CALLS

SETTINGS

ADMINISTRATION

HELPDESK

SITE MAP

PROPERTIES

Airtime provider

Telenor Satellite Services

GPS position

N 55°48', E 12°31'

Status

Data active

Satellite selection

Auto

Current satellite

EMEA (elevation: 25°)

Unit serial number

07441420

Software version

1.21, build 5

Local IP address

192.168.0.1

IMEI number

35162402-000605-4

Antenna status

Tracking

SESSIONS TOTAL

Standard voice inbound

00:08:57

Standard voice outbound

00:36:45

3.1 kHz audio inbound

00:12:48

3.1 kHz audio outbound

00:02:11

Standard data

125.51 MB

Streaming 8 kbps

00:00:00

Streaming 16 kbps

00:00:00

Streaming 32 kbps

00:00:00

Streaming 64 kbps

00:00:00

Streaming 128 kbps

00:00:00

Streaming 256 kbps

00:00:00

ONGOING DATA SESSIONS

Tracking data (10.50.17.61)

PROFILES ON LAN (DEFAULT GROUP)

Start Standard

Refresh

ONGOING CALLS

(No active calls)

Please note that the terminal might start an antenna software upgrade after the reboot. Make sure that the upgrade has ended before disconnecting the antenna or switching the system off. **(All LEDs on the terminal must eventually turn green and no warning in the event list).**

7. End of update procedure.

Cobham SATCOM
Customer Service