

## Technical Notification

Document number: 95-129256

### IMPORTANT!

Date: March – 2009

### New software ver. 3.00 for EXPLORER® 500/300

#### Subject:

Please be informed that a new software version 3.00 for the EXPLORER® 500/300 has been released. This is a major version - including a fix for regional spot beam calculation error in the Asian-Pacific satellite region.

#### Spot beam calculation error – not able to register

A spot beam calculation error can cause problems for all Thrane & Thrane A/S BGAN terminals operating **in the Asian-Pacific region**. User terminals can fail in registering to the BGAN network, as the terminal may select a wrong spot beam.

The BGAN terminals will be affected when Inmarsat has initiated a planned change in the structure of spot beams.

This release note is for notice of the spot beam change effecting Thrane and Thrane terminals only, as yet Inmarsat have not confirmed the date and will notify users and the distribution channel when the date is confirmed. We expect the change to happen by the end of April.

#### Priority:

- **CRITICAL:** For terminals operating **in the Asia-Pacific region** – It is of great importance to seek out systems affected and apply this change / initiative to all systems in order to ensure proper performance.
- **MEDIUM:** For terminals operating **outside the Asia-Pacific region** – 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 ver. 2.04 to 3.00:

- New Core SW platform release 1.09 - same as BGAN-X / FleetBB terminals
- Incorrect calculation of Regional spot beams for I-4 Asia Pacific satellite region
- New air interface - IAI2 version 1.30
- Support for Point-to-Point-Protocol over Ethernet (PPPoE)
- Corrected PDCP Header compression implementation.

- Correction of issues causing voice to fail in either return or both directions
- Improved temperature monitoring and control
- Correction of issues causing unstable service setup or termination, causing the terminal to deregister

## Action:

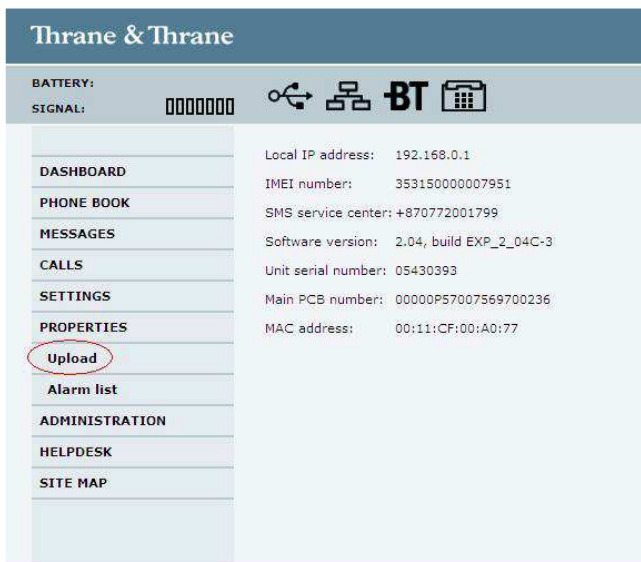
Download file 'EXPLORER\_300\_500\_V3.00.zip' located at Thrane & Thrane extranet

<http://extranet.thrane.com/Support.aspx> or at the Thrane & Thrane A/S eSupport <http://extranet.thrane.com/Support/Technical%20Support.aspx>

Save / extract to your hard disk.

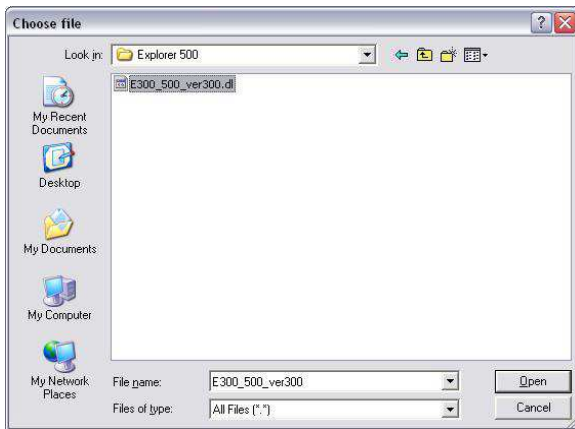
The following will describe the procedure for installing Ver. 3.00 on EXPLORER® 500/300.

1. Make sure the EXPLORER terminal is switched on and connect the Ethernet cable to your PC.
2. Open your web-browser and open the Web Interface of the EXPLORER at address <http://192.168.0.1/>
3. Select 'Properties' and 'Upload'

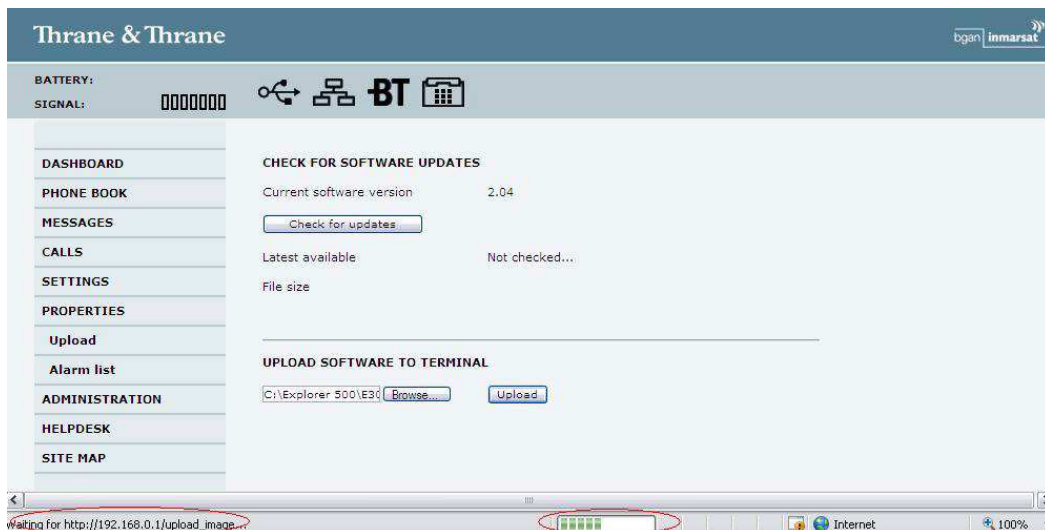


4. Select 'Browse' and locate the file 'E300\_500\_ver300.dl' and chose 'Open'.

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5. Choose 'Upload' and verify that the upload is in progress like below (status bar enabled in browser)



6. Select again the address <http://192.168.0.1/> and verify the software version at 'Dashboard'.

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The screenshot shows the Thrane & Thrane web interface. At the top, there is a header with the company name and logo. Below the header, there is a status bar showing BATTERY and SIGNAL levels, along with icons for Bluetooth and other connectivity options. The main content area is divided into several sections: a left sidebar with navigation links (DASHBOARD, PHONE BOOK, MESSAGES, CALLS, SETTINGS, ADMINISTRATION, HELPDESK, SITE MAP), a central 'PROPERTIES' section listing device details, and a right 'SESSIONS TOTAL' section showing usage statistics. The 'Software version' is highlighted with a red circle and shows '3.00, build 7'. Below the properties, there are sections for 'ONGOING DATA SESSIONS', 'STREAMING PROFILES ON LAN', and 'ONGOING CALLS', all of which are currently empty. A 'Refresh' button is located at the bottom of the properties section.

PROPERTY	VALUE	SESSIONS TOTAL
Airtime provider	THRANE	Standard voice inbound 00:00:00
GPS position	Acquiring	Standard voice outbound 00:00:00
Status	Not pointed	3.1 kHz audio inbound 00:00:00
Pointing	<a href="#">Go to pointing mode</a>	3.1 kHz audio outbound 00:00:00
Unit serial number	05430393	Standard data 0.00 MB
Software version	3.00, build 7	Streaming 32 kbps 00:00:00
Local IP address	192.168.0.1	Streaming 64 kbps 00:00:00
IMEI number	35315000-000795-1	Streaming 128 kbps 00:00:00
MAC address	00:11:CF:00:A0:77	

End of updating procedure.

Thrane & Thrane  
After Sales Service

Author: JDO	Date: 20-03-2009	Checked:	Date:	Approved: GUJ	Date: 27-03-2009
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