LT-4100 SW v1.01 Release Notes

Product Identification

Product Name: LT-4100 Satellite Communications System (Iridium Certus® 100)

Unit and Part Numbers: LT-4110 Control Unit   P/N: 51-102663

                           LT-3120 Handset   P/N: 51-100988

                           LT-3121 Cradle   P/N: 51-101181

                           LT-4130 Antenna Unit   P/N: 51-102365

SW Identification

SW Part Number: 71-102366

SW Version: 1.01R   Build Number: 0006

Release Date: 06. December 2021

SW Update: ☒ Optional   ☐ Recommended   ☐ Mandatory

File Name: LT-4100-v1.01R-0006.lti   File size: 40.6 MB

Checksum (MD5):   16e2b1306ab56beb634c3059c1ab2a49

Downloads: https://thrane.eu/lt-4100-iridium-certus-100/

Contact: support@thrane.eu

New functions:

- DNS Server and Cache

  The new internal DNS server and its cache reduces the on-air DNS traffic considerably.

- Firewall DNS rules

  It is now possible to enter domain names instead of IP addresses in the firewall rules.

- NMEA-0183 GNSS over UDP

  It is now possible to have the terminal output the NMEA-0183 GNSS sentences using UDP broadcast to a user defined UDP port.

Changes:

- Improved voice call audio

  In the direction from terminal to land, low frequencies (<200 Hz) are now passed through.

  The audio level is now louder on the land side.

Bug fixes:

- Voicemail number

  The Iridium Certus voicemail can be dialled with both *86 and *86#. The latter (*86#) was previously not identified as the voicemail number (but could be dialled).

- Supplementary services

  When dialing the Iridium Certus supplementary services, which applies to a specific outgoing line, the terminal did not always ask the user which line to dial. The terminal would always use the first available line (e.g., Line 1) - unless configured to always ask (MENU Settings -> Phone Setup -> Line Selection = Manual).

SW Update Procedure

Follow this procedure to upload new software to the LT-4100 system:

1) Connect the LT-4110 Control Unit directly to a PC using an Ethernet cable or connect the LT-4110 Control Unit to a Local Area Network (LAN), where a PC is connected.
2) Identify the IP address that is assigned to the LT-4110 Control Unit. The IP address can be read out from the UI Display interface (Menu -> System -> Network: IP Address). The IP address is valid if the 'Link Status' is showing 'Up'. The IP address is assigned dynamically by a DHCP server (default).
3) From the PC, start a browser (e.g., Microsoft Edge, Explorer, or Chrome) and type in the IP address, which was identified in the LT-4110 Control Unit (e.g., 169.254.1.1).
4) The browser might show you a warning about an invalid web server certificate. Make sure, that you have typed in the correct IP address.
5) Press 'Details' and you will be presented for an extended page view (including a link), which will direct you to the LT-4100 System dashboard 'Go on to the webpage (Not recommended)'. You will now see the LT-4100 system dashboard (default login username: admin / password: admin).
6) Select the 'Software update' webpage and click the 'Browse…' button to select the LT-4100 system file, which must be uploaded to the system. The LT-4100 software image has the following filename (example): LT-4100-v1.01R-0006.lti
7) Finally click the 'Upload' button to start the upload of the new software image. The upload and installation of the software image will take a few minutes. Progress bars can be monitored on the software update web page, while the software update is on-going.
8) The LT-4100 system will reboot once the software image is installed in both the control unit and antenna unit.