**MF350BV & VF350BM Software Release Document**

**Release Notes - 1.1.1.1**

**Version B**

**Revision History**

| **Date** | **Version** | **Description** | **Author** |
| --- | --- | --- | --- |
| 4/4/19 | B | Software Release 1.1.1.1 | S. Noel |

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1. **Introduction**
   1. *Disclaimer of Warranty*

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* 1. *Export Statement*

These commodities, technology or software were exported from the U.S. in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited.

* 1. *Purpose*

The purpose of the Release Notes Document is to communicate major new features and changes in this release. It also documents known problems and workarounds.

* 1. *Scope*

This document describes the *MF350BV & VF350BM, Release 1.1.1.1*

* 1. *Definitions, Acronyms, and Abbreviations*
  2. *References*

DFARS 227.7202-1(a)

227.7202-3(a) (1995)

DFARS 252.227-7013(c)(1)(ii) (Oct 1988),

FAR 12.212(a) (1995)

FAR 52.227-19, or FAR 52.227-14]

* 1. *Related Documents*

1. **About This Release**

This software fixes defects and improves performance on the terminal. The Iridium Modem (BCX) software is upgraded to allow for stable operation of the BDU when no antenna is attached, faster unit bootup speeds, voice calls from dropping when data connections are dropped, and consistent data flow around the seam. Defects and small, requested features are included in the Broadband Application Electronics (BAE) processors. These include fixes to startup sequence, PBX bugs, and radio gateway bugs.

1. **Compatible Products**

This product has been tested on the following platforms or with the following products or platforms:

* MissionLINK - MF350BV
* VesseLINK - VF350BM

1. **Known Issues, Workarounds and Limitations**
   1. *Defects*

|  |  |
| --- | --- |
| **Defects** | |
| **Description** | **Issue Reference** |
| Some reports that more time is needed between button pushes when dialing a phone number | ICDT-363 |
| Configuration information is sometimes lost (Watch) | ICDT-245 |
| Occasionally the modem is not started on bootup | ICDT-362 |
|  |  |
|  |  |
|  |  |
|  |  |

* 1. *Known workarounds*

Most issues seen can be cleared with a factory reset.

Configurations may not be forward compatible across software loads.

* 1. *Limitations*

None.

1. **Software Executable File**
   1. *File Nomenclature*

thaleslink\_1.1.1.1.swu

* 1. *File Location*

Posted to the official Thales customer portal

* 1. *File Format*

Encrypted compressed archive file

* 1. *File Checksum/Validation*

SHA-1: 337eb4bb197be42bc9edea690d13b94843fd7bd8

1. **Target Device**

This software runs on the processors in the MF350BV and VF350BM satellite systems. See the User’s manual for installation procedures.

1. **Release Materials**
   1. *Programing Instructions*

Programming follows the procedures in the User’s Guide, 84468, in section 5 -1. Those instructions are copied here:

1. With PC or Mobile Device connect to “ThalesLINK” on Wi-Fi or via Ethernet (RJ-45) port.
2. Open a web browser and type: <http://portal.thaleslink> (do not type .com or any other extension)
3. Once prompted enter Username and Password.
4. Navigate to the SYSTEM🡪 Firmware
5. Select CHOOSE FILE.
6. Go to File Input and select the Browse button.
7. Navigate to location of downloaded file. This file should have the firmware version and “.swu” as the file extension
   * Example: thaleslink\_1.1.1.1.swu
8. Select the “SELECT” button
9. After file has been selected return to the Firmware page.
10. Select “UPLOAD FIRMWARE” button. This may take a few seconds as a progress bar moves across the page
11. Once staged the Firmware page will display “UPDATE STAGED” (At this point user will be able to see Current and New Versions side by side on the Firmware page)
12. Select “ RUN”
13. Once YES, UPDATE is selected, the process to Update Firmware has begun and will take approximately 10 to 15 minutes to complete. \*DO NOT REMOVE POWER DURING THIS PHASE\*
14. Once completed and the system reboots, wait for all the Status LEDs to go Solid Green and/or Blue. This may take a couple minutes.
15. Verify Firmware Update by connecting to “ThalesLINK” on Wi-Fi or Ethernet port.
16. Open a web browser and type: <http://portal.thaleslink> (do not type .com or any other extension).
17. Once prompted enter the admin Password (this will not change from before the firmware update).
18. Navigate to the SYSTEM🡪 Firmware to view updates. (Software versions can also be found in the ABOUT menu item.)
    1. *Physical Media Materials*

None

* 1. *Performing the Upgrade*

See Section 7.1

* + 1. Security, privacy, or safety precautions relevant to the installation.

None

* + 1. Identification of other changes that have to be installed for this version to be used.

None

* + 1. Instructions for installing the software version.

See Section 7-1

* + 1. Procedures for determining whether the version has been installed properly.

See Section 7-1

* + 1. Point of Contact

If there are problems or questions with the installation, contact Thales Customer Service: [Customer.Service@thalesdsi.com](mailto:Customer.Service@thalesdsi.com).

* 1. *Release Contents*

*The following fixes are delivered with this software.*

*Defects and features added from 1.0.0.1:*

* A two second push is required on the power switch to turn the unit off
* When power is lost to the unit, it will return to the previous state, on/off, when power is reapplied.
* Through a command line API, the PBX can be switched off an a 9 not dialed to get an Iridium line for voice calls
* Cable Loss calculation improved
* Bootup time reduced
* Terminal operates without a connected antenna for activities like software upgrade and switch capabilities
* Stability of data sessions around seams
* Configuration file compatibility between software versions improved
* Remove Systems Diagnostics tab
* Changed “Distress” tab name to “Emergency” with the relevant wording too.
* Fixed a VoIP processor crash on early termination
* Added SW manifest to the logs at startup
* Speed up login time
* Keeping an extra copy of the configuration file for when unexpected terminal shutoff corrupts the configuration file
* Aborted calls remained in the active calls list. They are now removed.
* Port Blocking now works correctly
* False Fan failure at startup has been addressed
* The fan doesn’t start as soon as the previous firmware
* Tgz software files will no longer load on the terminal
* DTMF tones from POTs line are now detected when dialing PINS or voice menu selections.
* Radio Gateway fixed so consecutive calls can be made without rebooting the terminal.