



Iridium Extreme[®]

Software Release Note

IRDM-1023-SRN-001 v5.1

HL21001



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1 Introduction

This document details the use of the Iridium Extreme® software upgrade tool and lists the feature changes contained within the version HL21001 release.

2 Upgrade Tool OS Compatibility

The upgrade tool that accompanies this release has been tested with Microsoft Windows 10. The instructions that follow in this document assume the use of this version of Microsoft Windows.

3 Performing the Upgrade

The following steps should be used to upgrade an Iridium Extreme® from version HL11001 or later.

- Run the upgrade installer application.
 - The application is named "Iridium Extreme Software Upgrade HL21001 Installer.exe"
 - This will place the upgrade tool and USB drivers into the C:\Program Files\Iridium\Extreme directory
- Prior to performing the upgrade complete the following:
 - Disable Bluetooth on the PC running the upgrade
 - Remove the SIM card from the handset and install the handset battery
 - Turn the handset on
 - Ensure that the battery is fully charged or a charger is connected to the handset
- Connect the handset to the PC using a USB cable
 - If the handset is being connected to this PC for the first time, or to a USB port that has not been used before, the driver will be installed automatically. If this is the case, wait for Windows to show the "New Hardware Installed" notification before proceeding.
 - If Windows is unable to automatically locate the USB driver, it can be found at C:\Program Files\Iridium\Extreme\USB\VCOMPORT
- Run the Iridium Extreme Software Upgrade tool
 - A shortcut to this application should be available in the Start Menu in the Iridium Extreme Software Upgrade folder
 - The target of the shortcut is C:\Program Files\Iridium\Extreme\Upgrade_Tool\ Iridium Extreme Software Upgrade HL21001.exe
- Follow instructions presented by the upgrade tool user interface.
 - During the upgrade process the handset will display various information on the screen, including "Upgrading..."
 - At times the handset screen may go completely blank
 - Do not disconnect the handset or press any keys while the upgrade is in progress



NOTE: The handset will be rebooted into a USB standard Device Firmware Upgrade (DFU) mode during the upgrade. The DFU driver will be installed if the PC has never been used with a handset in DFU mode before. If Windows is unable to automatically locate the USB DFU driver, it can be found at C:\Program Files\Iridium\Extreme\USB\DFU.

4 Hardware Compatibility

This software release has been tested to be compatible with the following hardware models;

HARDWARE MODELS			
IRID0215G	IRID0215AD	IRIDN0215D	
IRID0215J	IRIDN0215A	IRIDN0215E01	

Iridium may produce and distribute hardware models loaded with software version HL21001 that are not indicated on this list at its sole discretion and without notice.

5 Change List

5.1 HL21001

DESCRIPTION
Added optional audible indication of network connectivity status changes. User-configured in Menu > Setup > Volume and Tones > Network Tone.
Improved communication channel selection algorithm used when establishing a connection with the network in telephony mode.
Added stronger validation checking of periodic radio calibration changes before storing to persistent memory in telephony mode.

5.2 HL19004

DESCRIPTION
Leveraged enhancements offered by the Iridium NEXT constellation to improve network connectivity and improve reception of transceiver ring notifications from the core network.
Fixed an issue preventing display of predictive help content.
Corrected an issue preventing display of software version in French.
Updated Iridium branding content in Upgrade Tool.



5.3 HL18005

DESCRIPTION
Resolved an issue wherein when the user attempted to enter the SMS menu when the outbox on the SIM was full the handset would reboot.
Enhanced GPS receiver performance when handset is powered from external sources including docking stations.
Addressed an issue where channel assignments were inadvertently being discarded in some situations thereby improving overall handset performance.
Modified battery charging algorithm to ensure compliance with battery specifications.
Modified transceiver behavior to comply with the European Union Radio Equipment Directive in failure conditions.

5.4 HL17001

DESCRIPTION
Improved accuracy of reporting when SMS storage on the SIM has reached capacity.
Updated startup splash screen to display a NEXT constellation satellite.
Improved handset upgrade: added support for Windows 10; required drivers are now installed automatically; and the upgrade itself is faster in some situations.
Added functionality to allow short codes to be stored in the phonebook, used from the phonebook, and dialed directly.
Improved responsiveness to power button press to turn the handset off.
Improved the translations for some non-English menu languages and added Kurdish (Sorani) as a new language option.
Fixed an issue where Location Based Services would not work correctly after a power cycle with the charger connected.
Improved reporting of signal strength on the user interface and the AT interface.
Fixed an issue where a remote DTMF button press could unmute a local handset.
Use of SBD services is now permitted when no SIM card is present in the handset. (Note: Mobile-Terminated SBD messages are not supported on the Iridium Extreme® handset.)