

Extreme HL14001 Firmware Release Notes



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Extreme HL14001 Firmware Release Notes

1 Introduction

This release note accompanies an engineering/test release of the Extreme handset firmware and tools. This release is labelled HL14001.

The purpose of this release is to provide bug fixes and new location-based services features.

This release includes component firmware files and a handset upgrade tool for The Extreme handset only. It does **NOT** include an upgrade tool or any firmware for 9555 / 9555A / 9522B.

2 Loading and running this release

2.1 Upgrade from beta release candidate HL11001 or later

This section should be used by anyone upgrading an assembled Extreme handset incorporating beta release candidate firmware (HL11001 or later).

2.1.1 *Pre-upgrade steps*

- Copy the full release directory to a local drive onto a PC using an approved operating system (Windows XP SP3, Windows Vista SP2, Windows 7 SP2).
- Run the installer (Iridium 9575 Software Upgrade Installer.exe). This will copy the upgrade tool and the necessary USB drivers into C:\Program Files\Iridium.

2.1.2 *Upgrade*

- Switch handset on. Connect handset to PC via USB.
- If connecting the handset 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 a moment for the New Hardware installed notification before running the upgrade
- Run C:\Program Files\Iridium\Upgrade_Tool\Iridium Extreme Software Upgrade HL13001.exe
- Follow instructions on the upgrade tool. During the upgrade process the handset will display various information on the screen including “Upgrading...” And at times the handset screen may go completely blank (while the Atmega upgrade is in progress). Do not disconnect the handset or press any keys.
- NOTE: During the upgrade the tool reboots the handset into DFU mode. If the PC has never been used with a handset in DFU mode before, the DFU driver will be installed. It is therefore possible for the New Hardware notification for the DFU driver to be seen during the upgrade.

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3 Changes present in HL14001 since HL11013

3.1 New features

ID	Summary	Comments
969	Handset Turn-on / Switch On message	
982	New requirement: Over the air sync of portal distribution lists to handset address book - HANDSET	
1023	De-Register Message	
1032	ER: Do not save Quick GPS messages to outbox	
1047	ER: Modify Canned Message Handling	
1048	ER: Modify Message Header	
1049	ER: Pre-program GEOS contact info	Further changes may be required after further testing with GEOS.
1052	ER: Message identifier to be used with Portal message delivery request	
1054	ER: Add Portal registrations menus	
1192	Default to original (long) LBS SBD header and location sizes	
1195	Add LBS regular update rate of 2 minutes	
1224	Emergency Power Down message (implementing emergency power-down SMS and SBD message retries before powering down the handset)	New power down in Emergency Mode procedure
1263	CRC Implementation - Update to use CRC-32C	
1378	ER: Hide 'Canned Message' menu option when not registered with a Portal	

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ID	Summary	Comments
---	Emergency SMS – changes to wording of GPS fix in message, and timeouts / age for obtaining GPS fix	

3.2 Bugs resolved – fixed

Bug ID	Summary	Comments
556	Extreme USB drivers are not Windows certified	VCOMPORT and DFU USB drivers now certified.
708	Address book, long names and numbers don't display '...' like they are supposed to.	
733	GPS Quick List not reset using Keypad Test Command 57# & GPS Settings Lock protects other LBS settings from reset	
740	Cannot save SMS drafts of exactly 1000 characters	
781	Extreme Rebooting while in data call	
793	Red button behaviour on screens that are on top of in-call screen	
814	During emergency mode, auto answer call reports USB Voice Call in progress	Possible fix, can't reproduce to confirm
819	Long text messages to email address not sent when registered with Portal	Underlying memory usage issue fixed. Bug remains open to track corner case issues.
824	Data call stays up after handset turned off, charger attached	
825	Long, multi-part messages from Portal user (via SBD) not constructed correctly on handset	
828	Arabic/Hebrew: Current Location screen shows position/age/# of satellites right-to-left	

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842	HL11009: Time/Date on idle screen not showing for some languages	
843	HL11009: repeatedly pressing emergency button causes handset to reboot	
845	DPL handset control message (HSCTRL) incorrect format	
867	Language code not present in emergency message if handset configured for Arabic or Hebrew	
875	User able to navigate away from Incorrect PIN screen	
886	After incorrect Phone PIN entered, no longer allows emergency number to be entered	
888	After using keypad test command 57# unable to enable GPS Settings Lock	
912	Query PIN input/change in RTL languages	
914	English Help for Predictive Text not showing final line	
936	The AT+LBSEMR=? reports the wrong number	
951	Warnings for "No recipient configured" stack up on top of each other	
972	ER: Modify Handling of SOS alert	This includes using a forward slash, rather than a pipe or a space character, to delimit the information in the emergency message.
1178	High values for Geofence Refresh Rate can cause h/s to become unusable	

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1194	Canned messages fail	
1198	Windows 32bit DFU driver for windows XP Pro sp2&3 complains of not being windows certified	
1211	Inclusion of phone number in SBD to portal ECC is incorrectly positioned	
1216	If 'Enable GPS?' message answered "No" then target screen appears briefly	
1227	Emergency Cancel SBD to Portal location block issue if no GPS fix available	
1230	If Check-In requests 'Update location first?' selecting Yes and display shows 'Updating...' after location obtained, sent & confirmed	
1241	AT / USB intermittent performance	
1264	DFU Loader upgrade firmware	
1342	AT+CAPBR responses stop after 173 characters	
1345	Updating canned message fails	
1348	Correct Japanese text in location option menus	
1349	Incorrect translation of metre (unit of measurement)	
1360	Emergency Flag not set in Emergency messages from handset	
1368	If using a Portal message protocol that utilises the reduced header format the encoded dates after 29th Feb are incorrect	

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1372	When the SIM msg memory is full, deleting msgs does not allow subsequent messages to be sent	
1375	GEOS - Please confirm registration page text	
1380	Simplify the meaning of the Emergency LED	
1383	If Quick GPS List is empty warning message refers to GPS Quick List	
1385	Alt(itude) on Current Location screen not translated in Hebrew	
1386	Portal Options -> Register screen entirely R-to-L in Arabic & Hebrew	
1389	Changes to non-provisioning warnings for emergency services	
N/A	Emergency SMS; changes to wording of GPS fix in message, and timeouts/age for obtaining a fix	