

Release Notes

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Date: September 26, 2023
Classification: External
Priority Critical
Attn: All Customers
Related Products: FB500
Subject: **FB500 Firmware Release Note – V1.1.2**

Dear Valued Customers,

Intellian is pleased to release upgraded firmware for the Intellian FB500. This firmware (FW) should be applied to the models in Table 1 below.

The priority of this FW update is considered ‘Critical’ as it ensures that terminals can connect to the I6-F1 and I6-F2 satellites. It is highly recommended to apply this FW update at the earliest opportunity.

Table 1 Terminal firmware package version

No.	Product	Model Number	Previous Version	Release Version
1	FB500	F4-A500-S F4-A500-R	1.1.1	1.1.2

The links for downloading the applicable Firmware Packages are included in Table 3.

***Note – SW Version Policy**

- Up to v1.1.1
 - Package version name and ADU FW version name “exactly match” (E.g. ADU FW in the 1.1.1 package is also 1.1.1)
- From v1.1.2
 - Package version name and ADU FW version name do not always match
 - E.g. FB500 =1.1.2 package, ADU FW =1.1.2 (The numbers are the different as before, which means that it has changed in ADU FW)



Figure 1. Package & ADU SW Version

Table 2 Summary

Category	#	Contents	Applied
New Function	1.1	Satellite tracking algorithm updated to support tracking I6-F1 and I6-F2 satellites.	○
	1.2	BDU access using secondary IP in an emergency is now supported.	○
	1.3	Product name is displayed in header block of AptusLX	○
Improvement	2.1	Upgraded BRM Software with 5.9.7 - BRM IPHC(IP header compression) set to enabled (ON) as this reduces latency for satellite voice calls	○
	2.2	Reduced binary size of the SW package (total 62MB -> 55MB)	○
Bug Fix	3.1	Fixed intermittent SW package upgrade failure.	○
	3.2	Fixed inconsistency of antenna status between AptusLX and the API /system/information	○
	3.3	Fixed rare occurrence of not-updated APN value after USIM swapping.	○
	3.4	Fixed rare occurrence of terminal not connecting to network after BRM reset	○

*For details on each item, please refer to 'Details' below

Table 3 Links to download Firmware Packages

Product	Firmware Package File	Version
FB500	FB500 v1.1.2	1.1.2

Details

1. New Function

- 1.1. The satellite tracking algorithm has been updated to ensure that the optimum satellite is selected when more than two satellites are visible. Prior to I6-F1 and I6-F2 it was not possible for the terminal to 'see' more than two satellites.
- 1.2. Usage of a secondary IP to access BDU in an emergency is now supported.
 - Please contact Support team for further information
- 1.3. Product name is displayed in the header block of AptusLX

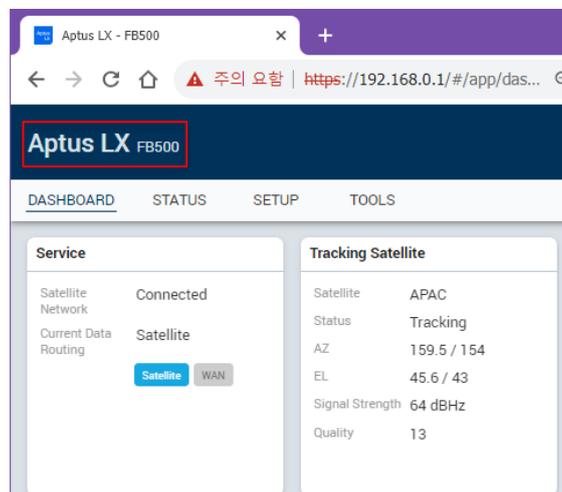


Figure 2. Product Name display on Aptus LX

2. Improvements

- 2.1. Upgraded BRM software to version 5.9.7.
 - BRM IPHC(IP header compression) set to enabled (ON) as this reduces latency for satellite voice calls
- 2.2. Reduced binary size of the SW package (total 62MB -> 55MB)

3. Bug Fix

- 3.1. Fixed intermittent FW update failure issue.
- 3.2. Fixed inconsistency of antenna status between AptusLX and the API System/Information.
- 3.3. Fixed rare occurrence of not-updated APN value after USIM swapping.
- 3.4. Fixed rare occurrence of terminal not connecting to network after BRM reset.

Contact Information

Please contact your local Technical Support team or Product Management team if you have any questions or require any additional information.

Thank you.

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