Release Notes

Intellian

Document No.:	RN-230920-01
Date:	September 20, 2023
Classification:	External
Priority	Critical
Attn:	All Customers
Related Products:	FB250, Fleet One
Subject:	**FB250, Fleet One Firmware Release Note – V1.2.0**

Dear Valued Customers,

Intellian is pleased to release upgraded firmware for the Intellian Fleet One and FB250. 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	Fleet One	F4-A100-S	1.1.15	1.2.0
2	FB250	F4-A250-S F4-A250-R	1.1.15	1.2.0

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

__Note__ – SW Version Policy
- Up to v1.1.15
  - Package version name and ADU FW version name "exactly match"
    (E.g. ADU FW in the 1.1.15 package is also 1.1.15)
- From v1.2.0
  - Package version name and ADU FW version name do not always match
  - E.g. FB250/Fleet One =1.2.0 package, ADU FW =1.1.15
    (The numbers are the same as before, which means that nothing has changed in ADU FW)
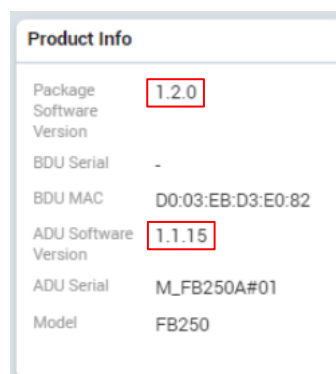

Figure 1. Package & ADU SW Version

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Table 2 Summary

Category	#	Contents	Applied	
			FO	FB 250
New Function	1.1	Satellite tracking algorithm updated to support tracking I6-F1 and I6-F2 satellites.	O	O
	1.2	Messages of up to 2,000 characters are now supported.	O	O
	1.3	Multi-language display is implemented in AptusLX	O	O
	1.4	'Guest' account has authority to execute UT reboot API	O	O
	1.5	BDU access using secondary IP in an emergency is now supported.	O	O
	1.6	Product name is displayed in header block of AptusLX	O	O
Improvement	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	O	O
	2.2	Reduced binary size of the SW package (total 60MB -> 53MB)	O	O
Bug Fix	3.1	Fixed where SMS received in GSM 7 bit character set could not be decoded in certain areas.	O	O
	3.2	Fixed intermittent FW package update failure.	O	O
	3.3	Fixed inconsistency of antenna status between AptusLX and the API /system/information	O	O
	3.4	Fixed rare occurrence of not-updated APN value after USIM swapping.	O	O
	3.5	Fixed rare occurrence of terminal not connecting to network after BRM reset	O	O

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

Table 3 Links to download Firmware Packages

Product	Firmware Package File	Version
Fleet One	Fleet One_v1.2.0	1.2.0
FB250	FB250_v1.2.0	1.2.0

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.

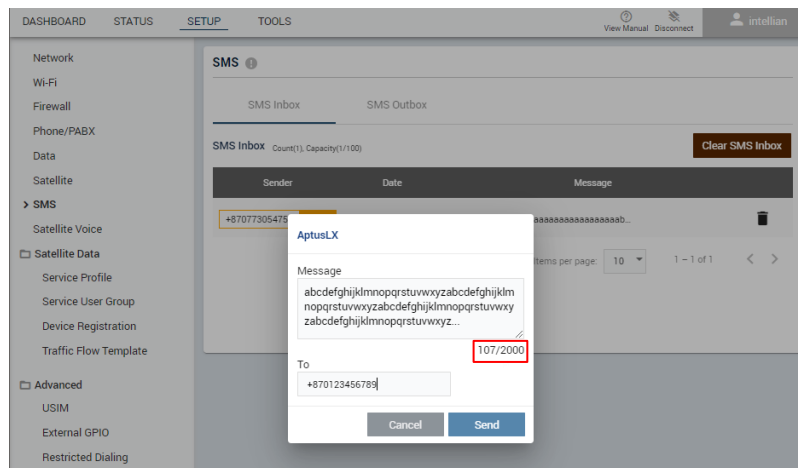1.2. SMS messages of up to 2000 characters are now supported by concatenating standard messages.

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Figure 2. Concatenated Short Messaging Service

1.3.   Multi-language display is implemented in AptusLX for the following languages:

- Spanish

- Dutch

- French

- German

- Russian

- Portuguese

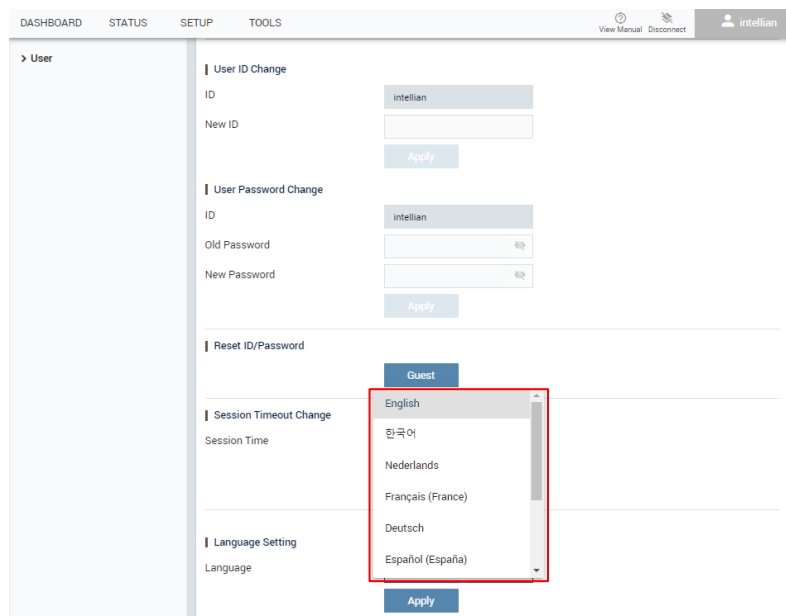- Chinese – simplified

- Chinese – traditional

Figure 3. Multi-language Setting

1.4.   Guest account has authority to execute UT reboot API.

-   /common/system/reset (Reboots by turning off the power to the terminal and then turning the power on again)

1.5.   Usage of a secondary IP to access BDU in an emergency is now supported.

-   *Please contact Support team for further information*

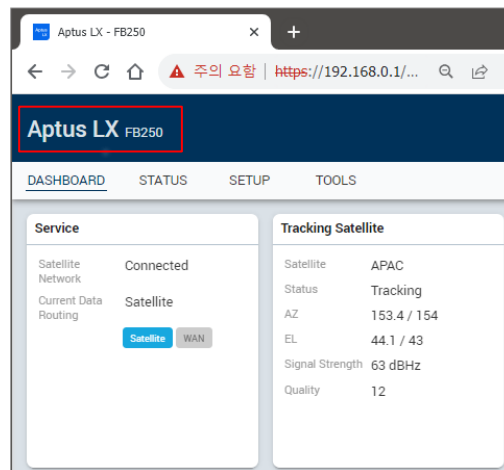1.6. Product name is displayed in the header block of AptusLX

Figure 4. 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 60MB -> 53MB)

3. Bug Fix

3.1. Fixed where SMS received in GSM 7 bit character set could not be decoded in certain areas.

3.2. Fixed intermittent FW update failure issue.

3.3. Fixed inconsistency of antenna status between AptusLX and the API System/Information.

3.4. Fixed rare occurrence of not-updated APN value after USIM swapping.

3.5. 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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