

Product Change Notification

Topic LARA-R204-02B Firmware Update
UBX-18046834
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1 Affected Products

Product Name	Order Number	Type No (Old)	Type No (New)	Remarks
LARA-R204	LARA-R204-02B	LARA-R204-02B-00	LARA-R204-02B-02	

2 Type of Change

- Hardware modification
- Firmware update
- Documentation update
- Others

3 Description of Change

As of the date indicated in the schedule below, a new firmware release will be applied to the affected products in production.

The version of firmware can be identified according to the type number as follows:

Old type number	Current firmware version	New type number	New firmware version
LARA-R204-02B-00	Modem: 31.34 Application: A01.00	LARA-R204-02B-02	Modem: 31.40 Application: A01.00

For full details of changes contained in this new version, see Annex A.

The modem and application version can be polled from the module by sending AT+GMR and AT+I9 commands. See u-blox AT commands manual [1] for details.

The firmware is fully tested and has passed all the release tests in u-blox.

4 Schedule

Estimated First Shipment Date	20-Mar-2019
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5 Customer Impact and Recommended Action

u-blox has taken utmost care to ensure full backward compatibility to the previous versions. Successor products are pin-to-pin compatible to its predecessor.

LARA-R204-02B-00 can be updated with new FW version 31.40 A01.00.

Please check with Verizon to find out what is necessary to fully maintain the approvals and certifications when migrating to LARA-R204-02B-02.

6 Known bugs and limitation

See LARA-R204-02B IP Information Note [2].

7 Reference Documents

- [1] u-blox AT Commands Manual, u-blox document UBX-13002752
- [2] LARA-R204-02B IP IN, u-blox document UBX-17012269
- [3] LARA-R2 series System Integration Manual, u-blox document UBX-16010573
- [4] LARA-R2 series Data Sheet, u-blox document UBX-16005783

A Description of Changes

A.1 Firmware

A.1.1 Changes and bugs fixed

- [u-blox ID 3925] Verizon SIB decoding issue.
- [u-blox ID 4021] Fixed the issue causing the discarding of a SMS in case it is received immediately after the IMS SIP registration.
- [u-blox ID 4143] Updated the IMS APN from "VZWIMS" to "IMS" according to Verizon MNO requirements.
- To strengthen the robustness and durability of the chip's internal power management unit, an improved power-up sequence has been introduced. It provides an additional protection level for the chip's internal power management. The protection function is applied only during the power-on cycle and for a very short time in order to protect the power management unit from effects of transient current. These changes do not affect the module functionality or performance.

A.1.2 Known limitations

None.

A.2 Certifications

LARA-R204-02B-02 is Verizon certified.