

Information Note

Topic New firmware available for UBX-M8030-KA-DR, UBX-M8030-KT-DR, EVA-M8E
UBX-18050020

Author Martin Wallebohr

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1 Affected products

Product Name	Order Code	Available Firmware
UBX-M8030-KA-DR	UBX-M8030-KA-B300BA	ADR 4.21
	UBX-M8030-KA-B2003A	ADR 4.21
UBX-M8030-KT-DR	UBX-M8030-KT-DR	ADR 4.21
EVA-M8E	EVA-M8E-0	UDR 1.21

2 Type of change

- Hardware modification
- Firmware update
- Documentation update
- Others: New version recommended for new designs

3 Description of change

New features and enhancements are now available with firmware versions ADR 4.21 and UDR 1.21. The following list contains the main improvements. See referenced documents [1] and [2] for more details.

- UDR fallback mode: ADR products with ADR 4.21 FW now support UDR technology without the need to connect to wheel tick sensor data. They can be configured either to ADR or UDR mode but also supports UDR fallback when wheel tick data is lacking from the vehicle network.
- Motorbike mode for UDR: supports the roll angle of motorcycles.
- Enhanced dead reckoning performance in urban areas.
- Native support for SLAS (QZSS).
- Support for relative map matching (e.g. to be used with other system coordinates).
- User configurable reference points for V2X applications. Customers can configure position output location to any point within the vehicle frame.

4 Customer Impact and Recommended Action

It is recommended to use new firmware for existing and new chip designs.

5 Reference Documents

- [1] Release Notes ADR 4.21 (UBX-18008826) – NDA required
- [2] [Release Notes UDR 1.21 \(UBX-18009216\) – public](#)

Reference documents are available via local sales offices:

www.u-blox.com/about-us/sales-network-offices