

## Information Note

**Topic** NEO-M8L, NEO-M8U: New firmware available  
UBX-18049857

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### 1 Affected Products

Product Name	Product Grade	New Order Code	New Firmware
NEO-M8L	Professional	NEO-M8L-04B	ADR 4.21
	Automotive	NEO-M8L-04A	ADR 4.21
NEO-M8U	Professional	NEO-M8U-04B	UDR 1.21

### 2 Type of change

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

### 3 Description

Due to new firmware release of ADR 4.21 and UDR 1.21 new order codes are available now.

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 Schedule

Engineering samples are available now.

Product Name	Product Grade	Order Code	Firmware	Availability
NEO-M8L	professional	NEO-M8L-04B	ADR 4.21	Nov 2018
NEO-M8L	automotive	NEO-M8L-04A	ADR 4.21	Dec 2018
NEO-M8U	professional	NEO-M8U-04B	UDR 1.21	Nov 2018

## 5 Customer Impact and Recommended Action

- For new designs and projects it is highly recommended to use new module versions.
- NEO-M8L-03A automotive grade will stay in production with firmware ADR 4.11.

## 6 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](http://www.u-blox.com/about-us/sales-network-offices)