

## IN –Information Note

<b>Topic:</b>	<b>UBX-M8030-KA / UBX-M8030-KA-DR FW SPG3.01 upgrade</b>
	UBX-16018803
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### 1 Affected Products

Product Name	Order Number	Old Type No	Old ROM FW	New Type No	New ROM FW
UBX-M8030-KA	UBX-M8030-KA	UBX-M8030-KA-B2000A	ROM 2.01	<b>UBX-M8030-KA-B3000A</b>	<b>ROM SPG 3.01</b>
UBX-M8030-KA-DR	UBX-M8030-KA-DR	UBX-M8030-KA-B2003A	ROM 2.01	<b>UBX-M8030-KA-B300BA</b>	<b>ROM SPG 3.01</b>

### 2 Type of Change

- Hardware modification
- Firmware update
- Documentation update
- Others

### 3 Description of Change

u-blox is providing a ROM firmware upgrade to the popular UBX-M8030-KA / UBX-M8030-KA-DR automotive grade chips.

The new ROM SPG 3.01 firmware offers Galileo reception, improved BeiDou performance and many other new features. For more detail information, see the GNSS FW SPG 3.01 Release Note [1], UBX-M8030 Data Sheets [2], and other documents listed in **Reference Documents**.

u-blox will continue the production for current ROM 2.01 based UBX-M8030-KA and UBX-M8030-KA-DR chips, thus to further support current customer designs.

### 4 Schedule

The new ROM SPG 3.01 based UBX-M8030-KA / UBX-M8030-KA-DR automotive grade chips will become available around October 2016 in Initial Production status. Qualification report(s) will be available in Q1-2017.

## 5 Customer Impact and Recommended Action

The current ROM 2.01 based UBX-M8030-KA and UBX-M8030-KA-DR will continue to be available for current customers' designs and productions.

Please note that the new ROM SPG 3.01 based chips are unable to execute the previous Flash FW2.01 images (including Flash 2.01 ADR 3.00). The old ROM 2.01 based UBX-M8030-KA / UBX-M8030-KA-DR chips are able to execute both the earlier FW2.01 and the current FW SPG 3.01 Flash images (including Flash ADR 4.00).

The ROM SPG 3.01 upgraded automotive grade chips are recommended to customers looking for enhanced feature sets, as well as the possibility to have an extended operating temperature range of -40°C to +105°C.

## 6 Reference Documents

- [1] [GNSS FW SPG 3.01 Release Note \(UBX-16000319\)](#), public version
- [2] UBX-M8030 (FW3) Data Sheet (UBX-15030040), confidential (require NDA)  
UBX-M8030-KT/KA-DR (ADR4) Data Sheet (UBX-16005464), confidential (require NDA)
- [3] UBX-G8020-M8030 Hardware Integration Manual (UBX-15031474), confidential (require NDA)  
UBX- M8030-KT/KA-DR (ADR4) Hardware Integration Manual (UBX-16005909), confidential (require NDA)