May 25, 2016

To: All customers using the RXM-GNSS-GM and RXM-GNSS-TM

Re: Product Change Notice – Feature Changes

Dear customer,

Linx Technologies is announcing a change in the operation of the RXM-GNSS-GM and RXM-GNSS-TM receiver module. The list below outlines the changes in the modules.

- The GNSS Search System command (353) adds new fields to support Galileo and Beidou. Galileo is not yet functional, but the module will support the system when it becomes operational. Beidou is not supported by the GM or TM modules, but the software command is being updated to support next generation products. Devices using this command will need to update firmware to handle the new fields.

- The ZDA message is added, but disabled by default.

- The module can now synchronize the NMEA data output with the 1PPS output. This enables a fixed interval between the rising edge of the 1PPS pulse and the NMEA messages that that describe the position and time as of the 1PPS pulse. Two new commands are added to support this function.

- A command is added to select between getting a fast TTFF or high accuracy when coming out of a tunnel or garage.

- A command is added to enable active interference cancellation.

- Command 300 is removed from the documentation following Mediatek's recommendation to migrate to message 220 for setting the position fix interval. The command is still supported by the modules, but may not be supported in future releases.

- For applications that use command 300 and query 400, the response (500) now includes two additional fields. For example, $PMTK500,1000,0,0,0,0*1A becomes $PMTK500,1000,0,0,0,0,0,0*1A in the new release.

We are committed to working closely with our customers during the transition to address any questions or concerns. Please do not hesitate to contact us if you have any questions regarding this important matter.

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Product Change Notice for RXM-GNSS-GM and RXM-GNSS-TM

PCN #: LPCN-160525-2
Publish Date: May 25, 2016

Type of Change

Feature changes

Products Affected

RXM-GNSS-GM
RXM-GNSS-TM

Description of Change

Several feature changes are being implemented as a result of customer feedback and compatibility with future systems.

Reason for Change

Product enhancement.

Effect of Change

Form: No change

Fit: No change

Function:

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The ZDA message is added, but disabled by default.
The modules can now synchronize the NMEA data output with the 1PPS output. This enables a fixed interval between the rising edge of the 1PPS pulse and the NMEA messages that that describe the position and time as of the 1PPS pulse. Two new commands are added to support this function.
A command is added to select between getting a fast TTFF or high accuracy when coming out of a tunnel or garage.
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Quality: No change

Anticipated First Ship Date

1 September 2016 or when stock runs out, whichever comes first. Can be identified as follows: after date code 1612.

Qualification Data

Qualification plan specifics are not for general release. Please contact Linx directly for additional information.

Last Time Buy Date

No formal last time buy date is established.

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