

Product Change Notification

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1. Affected Products

Series	Part Number	Description
FARO	FARO-HS FARO-FS	All products in FARO-HS and FARO-FS series
GADN	GADN-FS	All products in GADN series

2. Reason for Change

- Added the accelerator scale setting functions.
- Fix the bug in calibration process of accelerator with scale $\pm 4g$, $\pm 8g$, $\pm 16g$ in firmware.

3. Description of Change

Hardware Software Others

- Added two commands below for scale setting to the accelerator.
cmd = 0x5F (Set Accelerator Full Scale)
cmd = 0x60 (Get Accelerator Full Scale)
- Fix the bug in the calibration process which related to the command below.
cmd = 0x55 (Do Acceleration Zero-g Level Calibration)
Note: The bug only occurs with accelerator scale: $\pm 4g$, $\pm 8g$, $\pm 16g$.

Part Number	Old Firmware Ver.	New Firmware Ver.
FARO-HS1xx GADN-FS1xx	1.10.f4	1.11.f4
FARO-HS7xx GADN-FS7xx	3.07.f4	3.09.f4
FARO-FS9xx GADN-FS0xx	4.07.f4	4.08.f4

4. Schedule

- Planned Implementation Date : 2019/8/9
- Product shipped after planned implementation date will contain the changes.

5. Appendix

Affected Item List:

Part Number	Description
FARO-HS100	Half Mini PCIE(USB), 2 channels CAN 2.0 A/B, Gyroscope, Accelerometer
FARO-HS700	Half Mini PCIE(USB), 2 channels CAN 2.0 A/B, OBDII, J1939, Gyroscope, Accelerometer
FARO-FS900	Full Mini PCIE(USB), 2 channels CAN 2.0 A/B, OBDII, J1939, J1708, Gyroscope, Accelerometer
GADN-FS1N0	2 channels CAN 2.0 A/B, Gyroscope, Accelerometer, u-blox NEO-M8N GPS
GADN-FS7N0	2 channels CAN 2.0 A/B, OBDII, J1939, Gyroscope, Accelerometer, u-blox NEO-M8N GPS
GADN-FS9N0	2 channels CAN 2.0 A/B, OBDII, J1939, J1708, Gyroscope, Accelerometer, u-blox NEO-M8N GPS
GADN-FS1U0	2 channels CAN 2.0 A/B, Gyroscope, Accelerometer, u-blox NEO-M8U GPS (UDR)
GADN-FS7U0	2 channels CAN 2.0 A/B, OBDII, J1939, Gyroscope, Accelerometer, u-blox NEO-M8U GPS (UDR)
GADN-FS9U0	2 channels CAN 2.0 A/B, OBDII, J1939, J1708, Gyroscope, Accelerometer, u-blox NEO-M8U GPS (UDR)
GADN-FS1L0	2 channels CAN 2.0 A/B, Gyroscope, Accelerometer, u-blox NEO-M8L GPS (ADR)
GADN-FS7L0	2 channels CAN 2.0 A/B, OBDII, J1939, Gyroscope, Accelerometer, u-blox NEO-M8L GPS (ADR)
GADN-FS9L0	2 channels CAN 2.0 A/B, OBDII, J1939, J1708, Gyroscope, Accelerometer, u-blox NEO-M8L GPS (ADR)