



MiX 4000

Internal Release Notes

Release Notes: 5.16.9

POWERFLEET®

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New features and enhancements

Description	Component	Version
Add a BLE connection health check that will disconnect and go back to advertising when there is no communication on the BLE link for a certain time.	BLE	5.10.16
Bluetooth security and readout protection.	BYOD	5.12.1
Downgrade protection -> Test downgrades to 5.10.23.	OTA	5.12.7
Added syslog events for various BLE operations/states to assist with debugging.	Diagnostics	5.12.11
A limit was added to the maximum amount of tokens that can be executed in a script per entry. This prevents watchdog resets when scripts have endless loops in them.	CAN	5.16.1
Removed unused DTCO Serial module to free up resources.	DTCO	5.16.1
Add 11 comms cloud APNs (excluding the entry for 001,20).	GSM	5.16.1
Added speed dip detection as implemented in FM firmware.	SPEED FILTER	5.16.1
Setting added to lock orientation vector from tech tool.	ACC	5.16.1
Added periodic internal flash integrity check.	Diagnostics	5.16.4

Fixes

Description	Component	Version
Fix VIN request causing 'Check Engine' message on Scania trucks.	CAN	5.10.16
When a multipacket BLE transaction is not done within a certain time the offsets are cleared, so that the transaction can be retried entirely.	BLE	5.10.17
Fixed 'Android 15 One UI 17.0' BLE connection issue.	BLE	btSoC 5.16.1
Strings longer than 640 characters received from the modem would cause a buffer overflow. This is extremely unlikely to have	GSM	5.12.7

ever happened in the field, but the vulnerability of a memory leak has now been fixed.		
Improved accelerometer orientation to eliminate false cornering severities.	ACC	5.12.7
The unit rebooting in trip would cause the firmware to start a new trip. This has been fixed.	Trips	5.12.12
CAN filter file Big Endianness signals framing fixed.	CAN	5.16.1
RTC start-up stuck in loop fixed.	Time	5.16.1
Fixed a bug in the SMS Send state machine, that has not been observed to cause any issues but had the potential to cause the next state machine to misbehave.	GSM	5.16.1
Fixed a potential issue when parsing IMEI and IMSI numbers. Getting the IMEI wrong could potentially PUK lock the SIM. This has not been observed to be an issue in the field; only on a bench unit where human intervention put the modem in a state that it should not be in the field.	GSM	5.16.1
Fixed an issue that caused CAN FIFO 0 to never become empty.	CAN	5.16.2
Improved CAN scanning. CAN scanning would fail under certain conditions.	CAN	5.16.3
Fixed a blocking while loop that could cause the firmware to watchdog reset when parsing a corrupted RF message.	Magix	5.16.4
Fix failure to recover from over-temperature internal battery condition.	PMM	5.16.5
Fix frequency inputs that stopped recording after exiting stop mode.	INPUTS	5.16.6
External GPS antenna and Kline pull up now is switched off in power down mode.	PMM	5.16.8
Fix Log requests from EasyELD app (25.12.0).	BLE	btSoC 5.16.2
Added a backoff mechanism in the CAN service to avoid resets when the CAN load is high.	CAN	5.16.9
Fixed a bug where some script message filters are broken.	CAN	5.16.9

Fixed a bug where some script signals could return sporadic zeros.	CAN	5.16.9
Added a watchdog to ninaBtSmac to recover from and log the state machine getting stuck and no longer advertising, causing the EasyELD solution to break.	BLE	5.16.9

Known issues

Description	Severity
Version is not compatible with the EasyELD application.	