RELEASE NOTES

2025-03-10: ADMA 3.5 Firmware Version 35.3.0.48

- Fixed: [ADMA G-PRO+, G-ECO+] output of sensor temperature

Note: This firmware is indicated for ADMA 3.5 HW version ≤ 35.1.0.0

2025-02-13: ADMA 3.5 Firmware Version 35.3.0.47

- Added: [ADMA Micro] dual antenna mode for heading aiding (licence option)
- Added: [ADMA Micro] possibility of GNSS receiver update
- Added: [ADMA Micro] show FW version GNSS receiver 1 and 2 on the system page of the ADMA webinterface
- Added: [ADMA Micro] more GNSS receiver status information
- Added: [ADMA G / ADMA Speed] internal NTRIP Client
- Added: [CAN output] add steering and driving robot packets with one click
- Added: [AddOn LatDev] define up to 15 single objects
- Added: [AddOn Delta 1:5] longitudinal and lateral TTC (time to collision) calculation
- Added: [AddOn Delta 1:5] DELTA dataformat v7.2 with new channels for TTC and Target ID
- Added: [AddOn Smoothing] option "Extrasmooth" for certain steering/driving robots
- Added: [Steering Robot output] Robot_Mode indicates error when wrong mounting offsets are detected
- Added: send ADMAnet ethernet packets to more than one destination IP
- Added: save ADMA config without stopping measurement mode
- Added: dataformat v3.3.6 with new data channels: DualAnt_Mode, Warn_Mounting_Offset
- Added: SSA stability control during straight driving when application mode == vehicle
- Changed: [AddOn Smoothing] default parameter values changed
- Changed: ensure that Auto-Init is only executed whe drinving straight
- Changed: new XML- and DBC-files for data output
- Changed: webinterface optimization
- Fixed: [ADMA Micro] output of satellites visible was identical to satellites used
- Fixed: [ADMA Micro] ethernet connection unstable if another device is sending broadcast messages in the same network
- Fixed: [ADMA Micro] sporadic GNSS and INS time jumps +/-1ms and loss of time sync lock for <1sec
- Fixed: [ADMA Slim SC] unstable ethernet connection with certain switches
- Fixed: [AddOn LatDev] CAN packet "LatDev Pos POI1 rel" was missing in output although configured
- Fixed: [CAN output] Base-ID extended
- Fixed: [webinterface] wrong number of CAN packets left
- Fixed: [webinterface] wrong tilt values in live data in certain conditions
- Fixed: reduced time until time sync lock after power up
- Fixed: sometimes ADMA Alias or calibration reminder was deleted during firmware update

- Fixed: sporadic unplausible horizontal rate values after failed standstill detection after power up
- Fixed: sporadic failure of firmware update
- Fixed: INS values drifting after power up if roll or pitch equals 180° and no angle offsets are configured
- Fixed: signal in/out configuration was not always working as expected

Note: This firmware is indicated for ADMA 3.5 HW version ≤ 35.1.0.0

2024-04-25: ADMA 3.5 Firmware Version 35.2.1.15

- Fixed: ADMA Slim: Increased stability of firmware update

Note: This firmware is indicated for ADMA 3.5 HW version ≤ 35.1.0.0

2024-04-15: ADMA 3.5 Firmware Version 35.2.1.14

- Added: AddOn gPTP:
  The Add-On Generalized Precision Time Protocol (gPTP) also specified as IEEE 802.1AS, offers the possibility to integrate the ADMA into so-called Time Sensitive Networks (TSN). The ADMA can be operated as a grandmaster clock in the measurement setup in order to synchronise integrated systems such as measurement data acquisition, radar or lidar sensors with gPTP.
- Fixed: Increased stability of ethernet connection when other devices are sending in broadcast mode

Note: This firmware is indicated for ADMA 3.5 HW version ≤ 35.1.0.0

2024-02-26: ADMA 3.5 Firmware Version 35.2.0.76

- Added: AddOnLatDev:
  Distances, velocities, accelerations and other values in relation to lines and/or a circle can be calculated and sent via a new data packet.
- Added: ADMAnet dataformat v3.3.5
  added values: GNSS_Stddev_COG (uBlox only), GNSS_Sats_Single_Freq, GNSS_Sats_Multi_Freq, GNSS_Sats_DualAnt_Multi_Freq, INS_Yaw_Rel
- Added: Live Data of basic measurement values in the ADMA webinterface
- Added: Set default button for standard antenna lever arms ADMA Speed and Slim
- Added: application mode "VRU target": this mode should be activated if the device is able to rotate without lateral or longitudinal movement
- Added: ability to use DHCP and show dynamic IP in the ADMA webinterface
- Added: [AddOn Delta] Set configuration preset button for delta or target devices
- Changed: [AddOn Smoothing] Smoothing is now done with the ADMA measurement frequency instead of fixed 20Hz
- Fixed: no standstill after boot in rare cases is now prevented
- Fixed: negative temperatures are now output correctly (ADMA Speed, Slim, Micro)
- Fixed: [ADMA Micro] GPRMC log is now output correctly
- Fixed: reset of "distance travelled" via Signal In 3 is now possible
- Fixed: general improvements and increased system stability

Note: This firmware is indicated for ADMA 3.5 HW version ≤ 35.1.0.0

2023-08-10: ADMA 3.5 Firmware Version 35.1.0.25

- Fixed: Optimised GNSS receiver boot configuration to improve system stability
- Fixed: ADMA Slim sensor failure after high acceleration/shock now prevented

Note: This firmware is indicated for ADMA 3.5 HW version ≤ 35.1.0.0

Note: This firmware is not suitable for ADMA Speed or ADMA Micro

2023-07-07: ADMA 3.5 Firmware Version 35.1.0.24

- Added: Add-On Smoothing. The Position, Velocity and Tilt data channels can be smoothed in all POIs and in the robot data stream.
- Added: Add-On DELTA 1:5 functionality. Relative data from Hunter to up to five Target ADMA systems in parallel can be calculated.
- Added: Vehicle Model. It reduces lateral drift during GNSS outage when using the ADMA in vehicles.
- Added: plausibility check for Dual-Ant heading in initialization phase.

- Added: POI and GNSS antenna selection for setting the origin of the relative coordinate system with live data via button.
- Added: system info value of last calibration date in the Webinterface.
- Added: Calibration reminder with adjustable duration.
- Added: reboot button in the Webinterface with possibility to reboot via JSON command.
- Fixed: Improved stability during firmware updates.
- Fixed: Removed minor Webinterface Bugs.
- Fixed: [Add-On Braking] Arming threshold is now working correctly.
- Fixed: [Add-On Braking] Correct INS_Time_Week value is now contained in the output data.
- Fixed: Discard settings no more leads to measurement restart.
- Fixed: No more yaw output of 360°, although definition is 0°-359.99°

Note: This firmware is indicated for ADMA 3.5 HW version ≤ 35.1.0.0

Note: This firmware is not suitable for ADMA Speed or ADMA Micro

2023-02-01: ADMA 3.5 Firmware Version 35.0.0.43

- Added: Initial firmware version for ADMA 3.5 Hardware (G Pro+, ECO+, ECO, Slim)

Note: This firmware is indicated for ADMA 3.5 HW version ≤ 35.1.0.0

Note: This firmware is not suitable for ADMA Speed or ADMA Micro

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