

QUANTUM SYSTEMS



Dear Partner,
we always strive to let our customers benefit from the newest soft- and hardware improvements. Therefore, we would like to inform you that there is a new release coming today, July 02nd 2024.

Trinity Pro | QOS Autopilot | Firmware 80.5.2.28

New Features:

- Sony ILX-LR1 Integration
- YellowScan Qube 640 Lidar Integration

General

- Protections against tipping over during takeoff when stuck at the ground
- Delayed rear motor startup during arming on nose-down slope terrain to prevent tipping on nose
- Reworked heading management during AutoStart to minimize crosswind hover time
- Improved ESC temperature monitoring and prediction during takeoff
- Increase airspeed when ground speed is too low against strong wind
- After "continue mission" command from higher altitude, only descend down towards mission once close to mission path
- Improved LIDAR-based terrain collision avoidance
- Enforce ingress into landing approach in the direction of descent circle

Bug Fixes

- Prevent potential skipping of Safe Return Path when triggering return to home while approaching remote landing point

Magnetometer Improvements

PMB Update within the QOS Version

To update the PMB correctly, please follow the steps below:

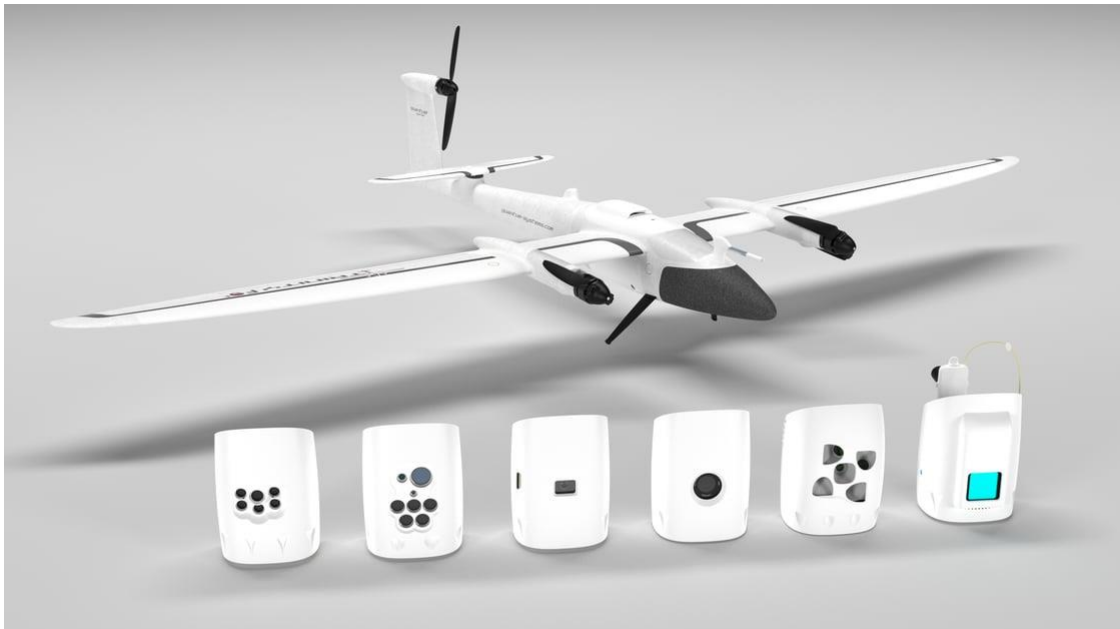
1. Please check if the new QOS version is on the Trinity Pro
2. Remove the battery from the Trinity Pro
3. Attach the payload to the Trinity Pro
4. Reconnect the battery to the Trinity Pro
5. Connect to the Trinity Pro Web Interface according to the manual (page 82)
6. Please go to "Maintenance" - "System Update"

The correct PMB firmware should now be automatically installed

1. **If yes:** The PMB firmware version should be displayed as 94.5.2.44
2. **If not:** Please install the newest PMB version via QBase according to the manual (page 83). Here the link to the file:

Please do this with all necessary payloads

Password: TrinityRelease



The highest level of flight safety can only be achieved with the latest software release. Therefore, Quantum Systems can only offer warranty if the UAV and QBase are up to date as soon as an update becomes available. If you have any questions please contact the Quantum-Systems support.