

# Bräuniger IQ Motor+

## Firmware release notes

### V 2.05e (2024-04-17)

- Fix bug where varios with a Furuno GPS module give a wrong flight date. This fix will also work for all the other modules once their respective GPS date rollover occurs.

### V 2.05d (2023-03-07)

- Added support for Fastrax IT321 3.25 GPS receiver chip
- Limit configuration import from SD card to user configuration, ignore device-specific configuration values

### V 2.05c (2021-09-08)

- Prevents the vario from completely "freezing" during operation and no longer reacting to any user input (introduced with 2.05a).
- Improved GPS module initialisation, new warning screen if initialisation fails.
- Correct display of Alt 2 and Alt 3 in flight analysis.

### V 2.05b (2021-06-25)

- Fix a bug where in some cases the display of the pilot name in the menu and in the IGC files was overwritten (introduced with 2.05a).

### V 2.05a (2021-06-20)

- Fix GPS reception loss after 1-3 hours, caused by a bug in the GPS module software (IT430 and SE880).
- Reduce storage to a maximum of 10 routes (was 20) and 20 turnpoints per route (was 30).

### V 2.04g (2020-03-12)

- Show actual and required glides greater than 50.
- Recognize Telit Jupiter SE880 GPS module.
- Improve recovery from GPS reception loss.
- Improved battery charge curves, for more accurate battery charge indication.
- Improved protection from installing software for another device from the same family.
- Fixed bug where wrong file names could show up in SD card file lists.

### V 2.04e (2019-03-29)

- Fix a bug in GPS date rollover handling that could lead to date being moved to 2038.
- When showing waypoints and airspace files on SD card, suppress new OS X system files.

### V 2.04a (2019-03-03)

- Corrects effects of GPS date rollover, vario gives correct dates until at least 2038.

**V 2.03a (2019-01-16)**

This update will delete all waypoints and routes from the vario. Make sure you save them to the SD card or your computer before updating.

- Software options 02 (150 airspaces), 04 (FLARM), 05 (Competition Route) and 06 (SD card) are now released by default for all varios
- Allow routes and waypoints to be called "A" again
- IGC file: update date field name to correspond with 2016 IGC file specification

**V 2.02c (2018-06-10)**

- Fix bug where vario volume was set to 0% during shutdown

**V 2.02b (2018-02-02)**

- Renamed "Vario settings" menu point to "Device settings"

**V 2.02a (2018-01-23)**

This update will delete all waypoints and routes from the vario. Make sure you save them to the SD card or your computer before updating.

- Cleaner start-up and shut-down screens
- Updated, unified texts for menus and settings throughout the whole 6000 vario family
- Removed Bluetooth and SMS from menu (not an option for the IQ Motor+)
- The link an FAF airspace file on the SD card is removed whenever airspaces are uploaded from the computer, or when airspaces are deleted through the menu.
- All numeric values (e.g., cylinder radius) can be increased / decreased rapidly with the right / left arrow keys, and slower, for finer settings, with the up / down arrow keys.
- Distances in routes are shown with one decimal.
- Range of vane wheel correction: 50 % to 150 %
- Range of RPM correction from 0.5 to 4.0
- Waypoint and route selection now shows three items per page.
- In the IGC file, the "takeoff" and "landing" C-records are now set according to the specification.

**V 2.01a (2017-08-09)**

- Fixed error in communication with FLARM module
- Data fields: corrected some field names
- Data field "FL (ft)" renamed to "Alt FL", now to 3 digits, in hecto-feet according to standard

**V 1.02b (2014-01-15)**

- Temperature warnings up to 900°C
- RPM 4 in the IGC-file now with 4 letters
- Bugfix in Acoustic Wp reached and CTR-warnings. Delay improved
- Bugfix in GPS module recognition
- Faster reaction when coming back from the menu mode.

**V 1.02a (2013-11-07)**

- New flight memory organization. That should solve the memory problem.
- 35 flights per day with a letter as the last letter in the IGC file name.
- Repair of flights
- Version character in the IGC file.

- GPS module detection 1 \* Furuno, 3 \* Fastrax. Noted in the start screen and in the IGC-File header
- Auto delete the Flight Memory V <= 1:01
- Check for incorrect hardware (6020, 6030, 6040) after firmware update
- Log file on SD card

### **V 1.01c (2013-04-04)**

- New Userfield "Alt Allowed". Shows the maximum allowable height under an airspace or under a layering of airspaces. No GPS "--" No limit (open sky) "--" inside airspace "0.00"
- RPM warning, reverse (white on black) if active, adjustable
- Display of now the 3 temperatures by FlyLink from the FL-Motor 2
- 3 temp warnings, inverse display when active, separately adjustable
- CTR warning extended with confirm, since you do not always hear the audible warning
- Complete CTR functionality from SD Card as in 6020/30
- automatic save of the IGC on the SD card at the end of flight
- Battery monitoring when switching off
- Backup and restore of config data to and from SD Card
- Extension FLARM (Radio ID and switch off by command)
- Clock frequency doubling
- Map orientation adjustable
- Semi-automatic altitude correction. The barometric altitude follows the GPS until the recognition of a flight. The level indicator is flashing during this time
- Display of remaining battery capacity of the FL-Motor2 (alkaline) in 25% - Levels

### **V 1.00m (2011-10-05)**

- Release version. Functionality according to user manual