

Flytec 6020

SW Release Notes

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English

V 3.08k from 8/11/2011

- Near hermal tone. The duration can be set now from 10% (Short Beep) to 100% (Steady tone) in -> Main setup menu -> Settings -> Accoustic vario -> Near therm. tone. Function and settings see separate description: "Optimized Competition Route"
- Bugfix saving the zoom mode and the right arrow function in the map mode into the EEPROM. With the right arrow key, only the active waypoints will be displayed. The settings remains until switch off.

V 3.08i from 1/10/2011

- Course-up display in the menu -> Setup Main Menu -> Settings -> Map orientation. The orientation of the map is accurate to one degree when the new calculation was invoked. The direction of the little arrow for displaying the track is approximated and in 45 ° increments. The course up display is calculated every 30 seconds, or if the track is running out of the picture, or after zoom or after a brief press of the right arrow button in map mode.
- Optimized competition route. See separate description: "Optimized Competition Route"
- Every normal waypoint can be defined as Enter or Exit. Default is Enter. This solves the problem with three concentric waypoints on the same position where first the inner circle has to be reached, then the outer circle has to be leaved and then the second inner circle.
- New Userfields "XTE" (Crosstrack Error) and "Dist opt Wp" (Distance to optimized waypoint in the optimized route)
- Several small textchanges
- Competition route will be automatically deactivated after the last waypoint (Line or radius) is reached.
- Acoustic warning (high pitch - low pitch - low pitch) if FLARM userfield is incremented by one. The instrument cannot distinguish if the the new member was already recognized before. The sound sounds also when the same FLARM partner faded away is is recognized from new. In the info page there is a short warning text.
- FLARM warning can be switched on and off in the FLARM menu -> *Main Setup Menu -> Instrument Setup -> Flarm -> Acoustic Warning -> Yes*
- FLARM Hardware (HW) und Softwareversion (SW) is visible in the lower part of the menu -> *Main Setup Menu -> Instrument Setup -> Flarm*
- Track in the display and the moving map will be set to 0° when GPS-Speed less than 3km/h.

V 3.08f from 18/8/2010

- Initialization changed for new lot of Fastrax GPS.

Flytec 6020 SW

SW Release Notes

V 3.08e from 14/6/2010

- Bugfix Instrument identifier in IGC file and Record over USB

V 3.08d from 7/6/2010

- SD-Card functionality (flights and Waypoint/routes)
- „--„ in Userfiled FLARM when FLARM is switched off
- Bugfix: Rare freezing during Bluetooth NMEA Output

V 3.08c from 8.4.2010

- BugFix Interruptpriorities FLARM. The display and the keyboard could freeze, but the vario and the recording were still active in the background.

V 3.08b from 10.03.2010

- FLARM fully functional
- New menu FLARM in instrument settings
- New Release Code Generator

V 3.08 from 11.11.2009

- CTR recognition including distance and acoustic warning.
- Info page lists the 3 nearest CTR's
- The second and third CTR in the list would be checked every 20 s and 40 s. All other CTR are checked one after each other, one per second.
- CTR acoustic Alarm active/not active. After the firmware update the CTR acoustic alarm is switched off by default. You can set it with -> *Main Setup Menu* -> *Pilot settings* -> *CTR acoustic Alarm*
- New handling of the compass rose.
Empty compass rose with active bearing arrow showing towards up direction in case of no GPS reception. The bearing arrow should show, that a waypoint or route is active.
Compass rose north up and active bearing also north up in case of GPS speed below 3 km/h.
- New Userfield L/D goal
- GPS-Module Type in Startup screen
- Automatic switch off if the instrument has no flight recognition after 30 min. or if the flight analysis screen stays for more than 30 minutes.
- Improvement in memory handling (freezing after start)
- Negative MaxA1 und MaxA2 on the flight analysis screen
- Altitude history ignored after start recognition. This should address the excess values of the vario in the flight analysis.
- Improvements in SMS handling: In the Info page it is possible to send an SMS on demand if an connection to a telephone provider is established. Attention. It is not ensured that an SMS is received by the intended receiver, because it can get lost in the network.

V 3.07e from 3.8.2009

- Automatic recognition of new GPS Module Fastrax

Flytec 6020 SW

SW Release Notes

- Bugfix in SMS via Bluetooth

V 3.07c from 28.10.2008

- New sentences in communication protocol : waypoint attribute, Comp-Route radii, read out of flight analysis page values. See document "Interface definition 061008.pdf"
- Bugfix in route setting (Xxxx Route)
- Battery monitoring in Menumode

V 3.07a from 7.8.2008

- New Userfield: Alti GPS

V 3.07 from 14.7.2008

- Userfield: SartRace, inverted if race has started (positive)
- Zoom factor will be stored
- SPP Modus Bluetooth, NMEA, \$GPRMC and \$GPGGA
- PEV (Pilot Event Marker) in the IGC file if a waypoint cylinder is recognized. Will ease the confirmation if a waypoint was reached.
- Correction CTR Radii up to 65km, plausibility check of the data received from the PC
- Averaging the battery indicator (10s)
- No recording if manual recording is active and if in menu mode
- "CONF"- command from the PC will be ignored, if recording is active
- New language Magyar
- New start display, Language is chosable. Last setting will be stored, so the startup procedure will remain the same (ESC and OK).

V 3.06a from 21.5.2008

- Start recording in Automatic mode ->No 2 minutes after switch on
- A1 adjustable during flight
- PEV-Handling changed (Pilot Event Marker). The marker is only visible in the IGC file as PEV. The marker does not set a waypoint with the actual position.
- Bug fix in flight analysis. A1 adjustment does not influence the maximum values.
- No flight analysis for flights shorter than 3 minutes.
- L/D req. always visible independent of speed
- Bugfix: J in Small Font corrected
- Bugfix GPS altitude below sea level
- Bugfix: Invalid B-records in the IGC file at the end of a flight.
- New userfield TimeStart“. Remaining time to start if time shorter than 1 hour and competition route active. Inverse if negativ time, normal if positive time.

V 3.05c from 1.5.2008

- Improved Batterie Check
- Improved hardware initialising
- Reset of the 24 bit AD converter

Flytec 6020 SW

SW Release Notes

V 3.05a from 15.2.2008

- Bugfix in Alt. A Goal
- Blocking of program execution in case that 6030 software has been loaded
- Bigger bearing arrows
- Pressure sensor user offset (Compensation of degradation over the years)

V 3.04 vom 10.12.2007

- Identifier set to 6020
- Bugfix with barometric altitude in IGC file

V 3.03 vom 10.12.2007

- First release version. Same level as 6030 V 3.21
- Filter setting in 5 steps. Detail settings are possible only in factory settings or with Flychart .
- Set waypoint of the actual position with long press WP and then Add Wayp. This is possible in every condition (During flying, in a Route in normal mode)
- Battery threshold für segment 8 reduced.
- Flight date derived from the first valid fix in the IGC file.
- GNSS Alti set to 0 in case of 2D fixes
- Baro Alti is based on 1013.25hPa
- SMS-Bluetooth function activated
- Alt1/Mrk doesn't save a Waypoint in the waypoint list anymore. Instead it sets an
- E record in the IGC file