

iFly GPS Version Release Notes

Version 7.5 Software

10/15/2012

- Portrait Mode Support
 - The addition of Portrait Mode will allow the iFly GPS to be rotated for vertical mounting and improved reference of Approach Plates.
 - Portrait Mode also provides more flexibility to mount the iFly GPS in various applications and aircraft installations.
 - A panel dock kit supporting Landscape or Portrait installation is now available on the iFly GPS store
- Instrument Panel (Interactive Page)
 - The new Interactive Instrument Panel mode provides another visually intuitive way of navigating.
 - Customizable displays and the flexibility of navigational data, flight information, and an active attitude, terrain and collision alert system.
 - New tools include an HSI, Turn Coordinator, Vertical Speed, Altimeter, Groundspeed. Dedicated Instruments for Plates Mode and an optional AHRS driven Artificial Horizon and more.
- WAC Charts added
 - Pilots flying in regions of Alaska, Canada, Mexico and the Caribbean will gain improved chart coverage with the addition of WAC charts.
- Expanded ADS-B and Third Party Device Compatibility
 - Added support for Clarity
 - Include on-ground ADSB aircraft
 - Added support for LEVIL (need to verify Wi-Fi interface)
 - Rudimentary support for external serial GPS input
- Other Enhancements and additions.
 - Clicking the Vertical Profile instrument now toggles off the large view of Vertical Profile
 - Extended Runways now show when dragging a route line or panning
 - New support of Single Sting Entry. (KTKI KSTL KOSH)
 - Clicking the VP instrument now toggles the large view off
 - Customize Instrument "Select Instrument" list box font is larger, to make it easier to select your instrument
 - Removing a Map Markers now requires a double-tap to reduce chance of accidental removal
 - Significant gains in performance
 - Flight Plan Form revamped, much easier to improve scrolling and more
 - Implemented Night Mode colors for Flight Plan Form and Find Airports results

- Plates Mode now resorts to showing "NorthUp", but still allows user to switch to TrackUp manually
 - Custom Location, Enter Lat/Lon form now permits you to type 4-digits, instead of only 2
 - Logic to prevent auto-switching of Charts
 - Improved Scrolling and Scrollbar
 - Alerts Form employs this new Scrollable Panel, and no longer resets scroll to top.
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Version 7 Software

6/25/2012

- **Terrain and Obstruction Highlighting**
 - Provides detailed Terrain and Obstruction highlights for the ultimate situational awareness while flying in mountainous or terrain/obstruction rich areas. Terrain Highlights are overlaid on all GPS modes, Charts, Plates, Diagrams, etc with the exception of Weather Mode.
 - There is also a new Vertical Profile instrument with multiple sizes in the Customize Instruments setup. By touching this instrument, you can access a full page view of the Vertical Profile ahead with zoom adjustments
 - You can now drag to a specific point on the chart/screen and start a Simulation from that point. As you approach the ground you will see the terrain highlighting and receive audible alerts.
- **Advanced Alerting System (Terrain, Obstructions, Traffic, Airspaces, etc)**
 - We've added a new Active Alert window offering a smaller layout with active text reporting. You can select "More" for additional details. The "Setting" button is currently inactive. We've also made improvements to the Acknowledge functionality. Note: this Alert Window is also movable so you can position it and it will stay.
 - Audible alerts added based on the strict rules defined by the FAA standards. Callouts include: Caution Terrain, Don't Sink, Five Hundred, Pull-Up, Sink Rate, Terrain and Too Low...
- **Vertical Flight Planning**
 - Allows pilots to reference the terrain highlights in relation to the active Flight Plan. You can see a Birdseye View and Profile View. A Minimum Safe Altitude will be shown for your flight plan.
- **Macro-Zoom in Vector Mode**
 - While in Vector Mode, pilots will now be able to zoom to much tighter detail.
 - Added Obstructions, Terrain and variable detail based on zoom level.
 - Simply zoom in and you will start seeing the following: Zoom Level 1 (Magnified X) [width = XXnm]

- **View PDF Documents**
 - Copy some PDF documents to a thumb drive, or (using your computer) create a folder on the iFly's SD card called \PDF, and then copy your PDF documents there.
 - Touch "Menu", there should now be a "View PDF Documents" option - touch that and select your desired file
- **Additional Enhancements and Updates.**
 - Addition of new Icons (Airplane, Helicopter, Green and Blue Arrows)
 - Located in the Map Setting Menu.
 - Improvements to GPX file handling and saving.
 - Fixed NMEA to be compatible with EFIS connectivity.
 - Addition of "Back" button and reorganized context menus.
 - Numerous code improvements to improved rendering.
 - Additional enhancements and software fixes.

Version 6.5

2/8/2012

- Disable "Auto-track plane" option when viewing plates or diagrams
- Updated splash screen
- Improved interface to ADSB receivers
- Added Shutdown option from Exit menu
- Fixed bug setting altitude on some waypoints
- Fixed bug when creating new flight plan while in flight departure point was not airplane location

Version 6 Software

10/18/2011

- **Geo-Referenced Approach Plates & Airport Diagrams**
 - Pilots can now track their current GPS position directly on top of the NACO Approach Plate and Airport Diagrams with geo-coded data by Essential Flight Technologies. A pilot can see the flight plan, instruments and has the ability to make split-second modifications on the geo-referenced approach plate. Both Plates and Diagrams support full rotation for maximum viewing further increasing the supplemental situational awareness the iFly GPS offers for both VFR and IFR pilots. Geo-Referenced Plates and Diagrams are updated as part of the VFR & IFR Annual Data Subscription.
 - The Geo-Referenced FAA Airport Diagrams provide additional safety while navigating unfamiliar airport taxiways. The iFly GPS database is pre-loaded with over 700 geo-referenced airport diagrams. The new airport diagrams will also be

updated as part of the VFR Annual Data Subscription. All VFR and IFR charts and diagrams are updated according to the FAA data cycle.

- **ADS-B Weather Support**
 - The Version 6 Software Update adds ADS-B Weather Support for third party ADS-B devices. Pilots can now see live NexRad radar, METARs, TAFs, Winds Aloft and PIREPs. ADS-B provides pilots with a no-cost weather feature if they have a third party ADS-B receiver like the SkyRadar by Radenna. This new weather mode offers a simple layout with route visuals, airports, weather stations, and an interactive touch feature to pull a weather report nearest to the pilot's touch point.
 - The pilot can then select METAR, TAF, Winds Aloft or PIREPS as they wish. In addition, pilots without an ADS-B receiver will benefit from an enhanced downloadable weather feature called Pre-Flight Weather. This feature provides an interactive map with graphical VFR/IFR visuals and allows for touch reporting of METARs, TAFs and Winds Aloft. A user will continue to see current position, flight plan and instruments while viewing the weather mode.
 - **Enhanced Pre-Flight Weather**
 - Interactive graphical VFR/IFR Map, METARs, TAFs and Winds Aloft.
 - Touch weather reporting for the nearest station to your touch point.
 - Airport names added to METARs and TAFs.
 - New Interactive Weather Report format.
 - Raw Text for METARs and TAFs are included.
 - **Higher Resolution Vector Mode**
 - Now includes Private Airports
 - Added lakes, rivers and additional roads.
 - **Additional Enhancements and Updates.**
 - New "Direct-To this Waypoint" function on the Flight Plan form.
 - Reorganized UI context menus.
 - Fastest graphics and process speeds to date.
 - Additional enhancements and software fixes.
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Version 5 Software

03/29/2011

- New Airport Information Page - includes the following enhancements:
 - Improved Page Layout.
 - Increase / Decrease font size.
 - Runway thumbnails added.
 - More information (Fuel availability, runway width, city, lighting schedule and more).
 - Added "Nearby Airports" button for quickly finding nearby airports.
 - Night Mode darkens and inverts colors.
- NMEA Output (Autopilot compatibility).
- Runway Extensions - select your desired runway and display a visual guide.

- New VST (Vertical Speed to Target) Instrument - calculates target decent rate to reach pattern altitude at your desired distance from the airport.
- ETA Final & ETA Waypoint (Estimated time of Arrival) Instruments added.
- New Indicated Track Line.
- Day/Night Mode - darkens all chart modes and inverts colors on the airport info page, plates and diagrams.
- New Snap-To functionality when dragging route - now you can drag a route to an airport, fix, etc.
- Auto Airspace Alerts. Customizable in type, distance and altitude buffer.
- Auto-Track mode - automatically resumes tracking the airplane after a user defined period of time.
- Chart Expiration Warnings - a safety message will pop to ensure this time sensitive information is noted.
- "Are you sure" confirmation will pop up when selecting "Direct To" option from context menu or from the airport page (only if this action replaces a current flight plan)
- VMG now calculates average speed from the past 15 seconds.
- Renamed "Course" instrument to "Track".
- New "No GPS Lock" and "Weak GPS Signal" banners, GPS status messages are now smaller.
- Distance Rings - added 2nm and 5nm when at close zoom. Improved visibility.
- Re-organized "Settings" menu.
- "Desensitized" route dragging logic to preventing accidental route modifications.
- Improved GPS lock detection - also differentiates between a weak signal and no lock.