

DELAIR FLIGHT DECK PRO 6.0.13.15-BETA

RELEASE NOTES

December 17, 2019

1 Scope

These Release Notes contain information about the **Delair Flight Deck Pro** software, version **6.0.13.15-beta** ("Technology Preview / Early Access release").

2 Objectives

Delair Flight Deck Pro is an unmanned aerial vehicle's flight management & ground station software with advanced and scalable mission preparation, flight planning and in-flight operation features.

This version is "Technology Preview", providing early access to new and exciting features and supporting extended use cases compared to the regular Delair Flight Deck software for the UX11 and UX11 Ag aircrafts.

It enables you to look under the hood of Delair's latest innovations, to test functionality and benefit as of now from the advanced features introduced in the application. However, the software is not yet considered feature-complete. Notably, some features already existing in the regular Delair Flight Deck application are planned to be provided in a future update.

3 Features

	Delair Flight Deck Pro 6.0.13	Delair Flight Deck 6.0.13/6.0.14
Operating system.	Windows 10, 64-bit system	Android™ 6 to Android 9
Flight plans with multiple areas of interest.	✔ Supported	✘ Not supported (**)
Flight plans for linear missions ("routes").	✔ Supported	✘ Not supported
Custom flight plans: Manually editing and adjusting waypoints on the map.	✔ Supported	✘ Not supported
Custom flight plans: Adjusting waypoint altitudes individually on the elevation graph.	✔ Supported	✘ Not supported
Flight height custom smoothing on the elevation graph.	✔ Supported	✘ Not supported
Custom DEM import: Supported formats.	<ul style="list-style-type: none"> ✔ GeoTIFF ✔ DTED ✔ SRTMHGT 	<ul style="list-style-type: none"> ✔ GeoTIFF ✘ Other formats not supported
Vector file import: Supported formats.	<ul style="list-style-type: none"> ✔ KML ✔ KMZ ✔ GeoJSON ✔ Esri shapefile 	<ul style="list-style-type: none"> ✔ KML ✘ Other formats not supported (**)

Map overlays: Supported format.	<ul style="list-style-type: none"> ✔ GeoTIFF and JPEG2000 - Standalone images - Map tile folders 	✘ Not supported
Color shaded DEM as map overlay.	✔ Supported	✘ Not supported
Real-time image coverage.	✔ Supported	✘ Not supported
Real-time image mapping.	✔ Supported	✘ Not supported
Measure tools (distance, surface, angles).	✔ Supported	✘ Not supported
Supported aircrafts (UAVs).	<ul style="list-style-type: none"> ✔ UX11 ✘ UX11 Ag not supported (*) 	<ul style="list-style-type: none"> ✔ UX11 ✔ UX11 Ag
"Rapid climb" option (for eagle avoidance).	✘ Not supported (*)	✔ Supported
"Big areas" — flight splitting & resuming.	✘ Not supported (*)	✔ Supported
Flight in QFE.	✘ Partially supported (*)	✔ Supported
Real-time flight progress (colored flight lines, etc.)	✘ Not supported (*)	✔ Supported
Communications.	<ul style="list-style-type: none"> ✔ Wi-Fi ✘ 3G not supported 	<ul style="list-style-type: none"> ✔ Wi-Fi ✔ 3G

(*) Planned for a future update of Delair Flight Deck Pro.

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4 Installation information

Prerequisite:

- Windows 10, 64-bit desktop computer
- Minimum:
 - Dual core CPU
 - RAM: 4 GB
 - Storage: HDD, min. 15 GB free space (for map tiles, DEM tiles and cached resources)
 - Display resolution: 1440×900
- Recommended:
 - Quad-core Intel CPU (Core i5 or higher)
 - GPU: Intel HD Graphics
 - RAM: 8 GB
 - Storage: SSD, min. 15 GB free space (for map tiles, DEM tiles and cached resources)
 - Display resolution: 1920×1080
- The computer must be connected to the Internet during the installation process.
- Networking/communications:
 - Wi-Fi 802.11 a/b/n or ac, supporting both the 2.4 GHz and 5 GHz Wi-Fi bands

NOTE: Where authorized by the local regulations, support for the 5 GHz Wi-Fi band is strongly recommended for use with the **Delair Link** module.

1. Go to <https://download.mydelair.com>
2. Download the **Delair Flight Deck Pro** installer, **delairflightdeckpro-windows-x86_64-version.exe** (where version stands for the latest available version).
3. Launch the installer and follow the instructions.
4. During the installation, you will also be prompted to download Digital Elevation Model (SRTM90 DEM) files locally. Select a subset of the DEM according to your needs.

NOTE: The complete SRTM90 DEM is about 12 GB, and can also be installed or updated later, from within the application itself (during mission preparation and flight planning, in the “Maps” tab). The application can also use user-imported DEM files (“custom DEM”) in various standard formats.