



ASCTEC NAVIGATOR

INTEL DRONE GROUP

Release Notes

August 17, 2018

VERSION HISTORY/REVISION HISTORY

These are the main software releases that have been made available for the AscTec Navigator:

| Date | Revision | Changes |
|-----------------|----------|--|
| August 17, 2018 | 3.4.5 | <ul style="list-style-type: none">• Added waypoint import from existing project files• Added Mapbox search bar• New camera templates for Sony UMC-R10C and Sony RX1-RII• Increased precision of GPS coordinates in Photo Tagger export• FLIR converter 1.0.2 comes bundled with an increased GPS precision, automatic target folder creation function and some bug fixes• Removed news section on the welcome page• Some minor bug fixes |

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| May 29, 2017 | 3.4.4 | <ul style="list-style-type: none">• Fixed "Heading in flight direction" option not exported to Cockpit projects• Fixed a bug where using "Set Heading on Map" could result in incorrect flight plans• Fixed a bug where COIs and Line Matrices were planned with incorrect waypoint types in some cases• Fixed incorrect camera orientation in ContextCapture export• Fixed a crash when selecting to copy images during Phototagger export• Fixed a bug where an incorrect radius was shown when planning a COI• Fixed incorrect camera visualization after changing Single WP camera pitch• Fixed a bug where newly created MapBox accounts couldn't be deleted• Fixed handling of some incorrect properties in Waypoint import |
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| April 19, 2017 | 3.4.3 | <ul style="list-style-type: none"> • Fixed Mapbox integration to use the new Mapbox Studio API. Old Mapbox accounts will continue to work but please backup them for further usage. • Fixed a bug where the flammable gas sensor interface could not be read on small displays • Fixed a crash when during a mapping flight a steering command on the MGS is given • Added an option to convert ARA images to Radiometric JPEGs suitable for FLIR Tools • Added an option to export Flight plans to a Cockpit Control project • Added Photo Tagger export to ContextCapture • Updated Qt libraries to 5.6.2 • Removed unused libraries to reduce download and installation size |
| August 19, 2016 | 3.4.2 | <ul style="list-style-type: none"> • Improved geo-referencing from ground control points to better support non-oriented maps. Please note that custom georeferenced maps need to be recreated to use the improved algorithm • Fixed a crash on Waypoint upload error • Fixed a crash when importing an incomplete CSV file • Fixed a crash when selecting a camera other than the Sony Alpha 7R in the Introduction Wizard • Fixed a bug where a generated line matrix did not use the specified velocity • Fixed a bug where an additional COI could be applied without selecting "Generate" first |
| June 9, 2016 | 3.4.1 | <ul style="list-style-type: none"> • Updated Qt libraries to 5.6.1. This fixes the visual issues that appeared in the last version (blacklist rows, invisible selection, missing handles in directory listings, etc.) • Added support for flammable gas sensor interface |
| May 23, 2016 | 3.4.0 | <ul style="list-style-type: none"> • Added a new library to make crash reporting more reliable. We depend on your reports to make Navigator more stable. Please keep them coming! |

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| | | <ul style="list-style-type: none"> • Removed the Launcher.exe, which is no longer needed. Navigator can be started directly via AscTecNavigator.exe now • Added "Time at Waypoint" option for Trinity Single Waypoints in the Flightplanner • Added an option to select the project type when exporting a Photo Tagger project to Agisoft to report correct pitch angles • Fixed "Missing msvcrt120.dll" error • Fixed a bug where exporting from Flightbook to CSV generated incorrect CSV files • Fixed a bug where reversing a Matrix resulted in incorrect "Last point of Matrix" waypoints • Fixed negative heights in EXIF tags • Fixed a few issues with waypoint navigation processing • Resolved problems with the "Start Flight" command • Some smaller bugfixes • Enabled opening projects on double-click from Database • Updated the installer for better Windows 10 support |
| March 21, 2016 | 3.3.1 | <ul style="list-style-type: none"> • Fixed a bug where news and social media pages did not load |
| March 18, 2016 | 3.3.0 | <ul style="list-style-type: none"> • Improved EXIF metadata handling. This should drastically improve image operation such as tagging and import/export, as well as TIFF handling • Added support for high DPI displays such as the Microsoft Surface • Added support for Windows 10 • A large chunk of smaller bugfixes, as well as performance and usability improvements: • Improved visibility of the AscTec Falcon 8 symbol in the Flightplanner • Fixed waypoint selection on CTRL+A in Flightplanner • Improved line tool to generate smoother flight paths • Resizable image preview in the Photo Tagger |

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| | | <ul style="list-style-type: none"> Improved operation on systems without 3D acceleration Note: This version of AscTec Navigator ships with an updated FTDI USB driver. Since the previous driver had a bug that made Navigator crash in rare cases, installing the updated driver is mandatory with this Navigator version |
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RELEASE CONTENT

A release contains an executable file required to install the software. Refer to the documentation about the detailed upgrade process.

Table 1-1 Revision numbers of components of the software release.

| Component | File | Revision |
|---------------------------|-----------------------------------|----------|
| AscTec Navigator software | AscTec-Navigator_latest_setup.exe | 3.4.5 |

INTENDED AUDIENCE

All users of the AscTec Navigator software.

CUSTOMER SUPPORT

For technical support, including answers to questions not addressed in this product, visit the technical support forum, FAQs, and other support information at:

<https://www.intel.com/content/www/us/en/support/drones/commercial-drones/000023691.html>

NOTE: If your distributor provides technical support for this product, please contact them for support rather than Intel.

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1. INTRODUCTION

This document provides information about the updated AscTec Navigator software.

To learn more about this product, see:

- New features listed in the [New in this Release](#) section below, or in the help.
- Reference documentation, including documentation about how to install the software is listed in the [Related Documentation](#) section below.

2. NEW IN THIS RELEASE

2.1. NEW FEATURES

- Added waypoint import from existing project files
- Added Mapbox search bar
- New camera templates for Sony UMC-R10C and Sony RX1-RII

2.2. CHANGES TO EXISTING FEATURES

- Increased precision of GPS coordinates in Phototagger export
- FLIR converter 1.0.2 comes bundled with an increased GPS precision, new automatic target folder creation function and some bug fixes

2.3. UNSUPPORTED OR DISCONTINUED FEATURES

- Removed news section on the welcome page

3. FIXED ISSUES

Some minor bug fixes

4. KNOWN ISSUES

None.

5. RELATED DOCUMENTATION

Manuals that contain detailed information about performing software upgrades, operating the system and troubleshooting can be found at Intel's website in the support section:

<https://www.intel.com/FalconManual>

6. SPECIAL CONSIDERATIONS DURING UPGRADE

None.

7. WHERE TO FIND THE RELEASE

All releases are published on Intel's support site. A quick link to this section is:

<http://www.intel.com/FalconDownloads>

8. HARDWARE AND SOFTWARE COMPATIBILITY

The upgrade is compatible to all revisions of the Intel Falcon 8+ and the Intel Cockpit Control.

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| Operation System: | <ul style="list-style-type: none"> • Windows XP, up to version 3.2.3 • Windows Vista • Windows 7 • Windows 8, 8.1 • Windows 10, from version 3.4.0 |
| Processor: | Intel Atom N450 (Dual Core System with a minimum of 1,66GHZ) or better |
| Ram: | Minimum 2GB |
| Display: | 1024x768 px or higher |
| Operation System: | <ul style="list-style-type: none"> • Windows XP, up to version 3.2.3 • Windows Vista • Windows 7 • Windows 8, 8.1 <p>Windows 10, from version 3.4.0</p> |
| Disk Space: | <p>Approx. 200 MB for flight plans and maps</p> <p>Additional space for pictures needed - depending on camera > 1 GB</p> |

9. LEGAL INFORMATION

Please refer to the Intel-OBL-Commercial-Use-License.pdf, which is included in the download of the software.

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