

# APP 6.0

## Release Notes

### April 2016



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Aerospace



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**1 General Information**

**1.1 Overview**

**1.1.1 Current Version and Editions**

The following release notes document the upgrades and changes made to the newest version of the Aircraft Performance Program, APP 6.0.

There is one edition of the current version:

- Professional Edition: Maximum number of functionalities available over a broad range of installation preferences (e.g. stand alone, network)

The first release of APP 6.0 Professional Edition of has been issued in March 2012.

The current release of the Professional Edition is R1.8 and has been issued in April 2016.

**1.1.2 Releases**

The following release notes document the upgrades and changes made to the newest version of the Aircraft Performance Program, APP software.

<b>Name/Version/Edition</b>	<b>Release Software</b>	<b>Protection</b>	<b>Description</b>	<b>Date</b>
APP 6 Professional	0.0	WIBUKey by WIBU	Professional edition of the APP 6 program	March 2012
APP 6 Professional	0.1	WIBUKey by WIBU	Professional edition of the APP 6 program	March 2012
APP 6 Professional	1.0	WIBUKey by WIBU	Professional edition of the APP 6 program	December 2012
APP 6 Professional	1.1	WIBUKey by WIBU	Professional edition of the APP 6 program	May 2013
APP 6 Professional	1.3	WIBUKey by WIBU	Professional edition of the APP 6 program	July 2014
APP 6 Professional	1.4	WIBUKey by WIBU	Professional edition of the APP 6 program	October 2014
APP 6 Professional	1.5	WIBUKey by WIBU	Professional edition of the APP 6 program	December 2014

## APP 6.0 - Aircraft Performance Program

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APP 6 Professional	1.6	WIBUKey by WIBU	Professional edition of the APP 6 program	May 2015
APP 6 Professional	1.7	WIBUKey by WIBU	Professional edition of the APP 6 program	March 2016
APP 6 Professional	1.8	WIBUKey by WIBU	Professional edition of the APP 6 program	April 2016

## **1.2 Support**

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### **1.2.1 Getting additional information**

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Either ALR or your reseller can help you with any problem you may encounter installing or using the APP 6 Professional Edition.

### **1.2.2 How to Contact ALR**

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Postal Address:

Phone: +41 (0)44 202 93 88

Arbeitsgruppe für Luft- und Raumfahrt

Fax: +41 (0)44 202 24 00

Gotthardstrasse 52

CH-8002 Zurich

Switzerland

Website: [www.alr-aerospace.ch](http://www.alr-aerospace.ch)

Email: [alr@alr-aerospace.ch](mailto:alr@alr-aerospace.ch)

### **1.2.3 Miscellaneous support**

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For any additional questions regarding the applied software protection systems the vendors websites are as follows:

WIBUKey Software protection: [www.wibu.de](http://www.wibu.de)

Please download any driver update for the software protection keys from these websites.

**2 Version release notes**

**2.1 Fixes, Upgrades, Updates and Work done**

The releases and the implemented updates, fixes and added features having been generated are listed in the table below:

Releases/ Fixes/ Updates	Version/ Release	Description
<u>New Edition</u>	6.0 R0.0 Professional	Version 6.0 R0.0 Professional Edition generated and released
<u>Release Upgrade</u>	6.0 R0.1 Professional	Release Version 6.0 R0.1 generated
Fix	R0.1	GUI bugfixes. Problems with reload aircraft button state, L/D chart and jet thrust SFC chart fixed.
<u>Release Upgrade</u>	6.0 R1.0 Professional	Release Version 6.0 R1.0 generated
New	R1.0	Added: <ul style="list-style-type: none"> <li>- Take-off and Landing Performance Charts</li> <li>- Mission Parameter Study Computation Mode</li> <li>- Aircraft Examples</li> <li>- Revised Manual &amp; Technical Reference Document</li> <li>- Revised User Interface</li> </ul>
<u>Release Upgrade</u>	6.0 R1.1 Professional	Release Version 6.0 R1.1 generated
Fix	R1.1	Fix issue where Performance Chart calculations could only be performed after saving and reloading.
<u>Release Upgrade</u>	6.0 R1.3 Professional	Release Version 6.0 R1.3 generated
Fix	R1.3	Fix for Windows 8.1 users, corrects wrongly displayed text in the user interface. Minor corrections to the user manual.
<u>Release Upgrade</u>	6.0 R1.4 Professional	Release Version 6.0 R1.4 generated
Fix	R1.4	Fixed: <ul style="list-style-type: none"> <li>- Landing: selection of pilot technique "Target Sinkrate" caused an error.</li> <li>- Mission calculations: Configuration defined in "Initial Settings" tab could differ from configuration of first mission segment.</li> <li>- OEI Fuel Flow was calculated wrongly.</li> </ul>



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		<ul style="list-style-type: none"> <li>- First and last point of mission segments were not plotted in a special case.</li> <li>- Stability improvements for propeller aircraft</li> </ul> <p>Added:</p> <ul style="list-style-type: none"> <li>- Landing: A new controller enables the calculation of propeller landings at engine and propeller limits.</li> <li>- New Segments for descent at no credit</li> </ul> <p>Updated User Manual and Technical Reference.</p>
<u>Release Upgrade</u>	6.0 R1.5 Professional	Release Version 6.0 R1.5 generated
Fix	R1.5	<p>Fixed:</p> <ul style="list-style-type: none"> <li>- For propeller aircraft with multiple engines, thrust was calculated wrong</li> </ul>
<u>Release Upgrade</u>	6.0 R1.6 Professional	Release Version 6.0 R1.6 generated
Fix	R1.6	<p>Fixed:</p> <ul style="list-style-type: none"> <li>- User Interface display bug when deleting Configurations under certain conditions</li> </ul> <p>Added:</p> <ul style="list-style-type: none"> <li>- Importing of Propulsion data from other APP6 aircraft files.</li> </ul>
<u>Release Upgrade</u>	6.0 R1.7 Professional	Release Version 6.0 R1.7 generated
Fix	R1.7	<p>Fixed:</p> <ul style="list-style-type: none"> <li>- Fixed issue where Landing Roll segment would not stop properly</li> <li>- Under specific conditions, no limit line was displayed in the Turn-Rate Chart (SEP).</li> </ul> <p>Added / Improved:</p> <ul style="list-style-type: none"> <li>- Significantly improved writing speed of files</li> <li>- Expanded the description of mission segments in the User Manual</li> <li>- <i>Fuel at End of Mission</i> user interface elements improved when using external tanks, now always displays % fuel related to the tank condition at the end of the mission</li> </ul>
<u>Release Upgrade</u>	6.0 R1.8 Professional	Release Version 6.0 R1.8 generated
Fix	R1.8	Visual improvements for users with high DPI screens and large display scaling factors

**2.2 Known Problems, proposed improvements**

Please feel free to inform us if you encounter any bugs or have an improvement to propose to us.

<b>Proposed Fix or Improvement</b>		<b>Description</b>
High DPI screens		Some users with very large screens (high DPI) and high display scaling factors might experience slightly blurred user interface elements. For further information, see <a href="https://support.microsoft.com/en-us/kb/2900023">https://support.microsoft.com/en-us/kb/2900023</a> . Note that the option to <i>Disable Display Scaling On High DPI Settings</i> might result in clipped text and is not recommended.