

# Release Notes for Juniper Aspect Field Mapping Solutions Version 1.2.0

July 2013

These release notes describe important information for Juniper Aspect.

Install software from the CD and update through the “Check for updates” tool of the host desktop software.

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## Contents

These release notes contain the following sections:

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## System Requirements

Juniper Aspect Field Mapping Solutions is supported on the operating systems and platforms indicated below.

Desktop: Windows® 8, Windows® 7 w/SP1, Windows Vista® w/SP2, or Windows® XP w/SP3

Mobile Computer: Juniper Systems Archer (running Windows Mobile 6, OS Build 3.0.6 or higher), Archer 2 (running Windows Embedded Handheld), Juniper Systems Mesa (running Windows Mobile 6.5, OS Build 1.1.5 or higher), most Windows Mobile 6 or higher Devices or most Windows Embedded Handheld devices. Not all features are available on all devices.

An internet connection is required to install the software and to access certain features.

Microsoft® Windows Mobile Device Center (for Windows® 8, Windows® 7 or Windows Vista®) or ActiveSync® (for Windows® XP) is required to run this software.

A USB port on the PC is required to install software on the mobile computer and to synchronize information between the desktop PC and the mobile computer.

Adobe Acrobat Reader must be installed to read the Owner's Manual. The reader is available on the installation CD or online from Adobe, <http://www.adobe.com/>.

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## New Features and Changes

- Filtering of visible data is now available.
- Expanded layer control to filter report data by attribute.
- License and activation server access improvements.
- Added right-click context menu to objects attributes.
- Support for Archer 2 and most other Windows Mobile Devices.
- Improved handling of base map services.
- Added auto popup of attributes.
- Added color indicators for Mobile GPS Health Status Gray (not connected), Red (no fix), Yellow (2d fix), and Green (3d fix).
- Images are now available outside of aspect.

- Allow hyperlinks in attribute fields.
  - Export to Microsoft Excel all attributes of any single object including images.
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## Important Notes

- **Factors impacting GPS accuracy.** The accuracy of points collected by GPS will vary depending on the GPS receiver, the environmental conditions (weather as well as nearby objects and structures), satellite constellation, number of points averaged, PDOP filtering and other factors. A white paper describing GPS accuracy and recommendations is available at [4175]: <http://www.junipersys.com/Juniper-Systems-Rugged-Handheld-Computers/support/Knowledge-Base/Support-Knowledge-Base-Topics/GPS/Achieving-optimal-GPS-accuracy>.
- **GPS accuracy on initial use.** When the GPS is first activated, it may take several minutes to achieve the best possible accuracy. As the GPS operates, it is able to discover and use information from more satellites and this helps to improve accuracy.
- **Mapping a polygon / coverage area.** When mapping a polygon, mark the points as you walk around the area. Be sure to walk in a clockwise or counterclockwise pattern around the area. Do not collect points in a zigzag fashion [4174].
- **Camera resolution.** Due to memory limitations in Windows Mobile, the camera resolution in the software should be set to 640 x 480. The user could select a resolution up to 1600 x 1200; large numbers of high resolution pictures may cause problems. [3574].
- **Disabling advanced network functionality.** When the option "Enable advanced network functionality" is not selected, Juniper Aspect may have problems copying files to the mobile computer during activities such as deploying software to the mobile computer or synchronizing projects and object catalogs. To avoid problems, be sure to install the patch referenced in this link [4667]: <http://www.junipersys.com/index.php/Juniper-Systems/support/Downloads/Mesa-Rugged-Notepad/ActiveSync-network-security-conflict-patch-utility>.
- **GPS Juniper Systems hardware.** Juniper Aspect defaults to GPS settings of COM 2, baud rate 4800. For other Juniper Systems devices, select your device off of the following table.

Device	COM port	Baud rate
Mesa	COM 2	38400
Archer with XF101	COM 2	57600
Archer with GlobalSat	COM 2	4800
Archer 2	COM 2	115200

- **GPS on other Windows Mobile devices.** Juniper Aspect defaults to GPS settings of COM 2, baud rate 4800. For other devices find the GPS settings in your owner's manual or online documentation.
  
- **Juniper Aspect may crash when printing under Windows XP.** This is due to a software dependency on components that are normally already on most systems [5691]. When these components are missing, the software may crash when trying to print a report. To correct this issue, install either of the following options:
  - **Microsoft XPS Essentials Pack at**  
<http://www.microsoft.com/en-us/download/details.aspx?id=11816>
  - **Microsoft .NET Framework 3.5 at**  
<http://www.microsoft.com/en-us/download/details.aspx?id=21>
  
- When using a cellular connection to access base maps, option to enable the base maps may not be available for about 15 seconds after the project is opened [5761].
- When adding a new object to the map, the layer for that object type must be enabled [4124].
- The top of the map is always North on the mobile computer [4143].
- When adding a polygon to the map on the desktop, the last point in the polygon must be double-clicked to signal that the polygon is complete [3888].

## Resolved Issues

This section lists resolved issues in this version of the software.

- An issue that caused Juniper Aspect to crash if Juniper Aspect is running when you open GoToMeeting has been resolved [5782].

- An issue where report properties screen did not show all attributes when running on a low resolution monitor has been resolved [6075].
- Object images are not stretched when using an 11x17 report with two images per page [4798].
- Screen is not cut off when importing a large CSV [6084].
- An issue with empty rows in the object catalog import has been resolved [6204].
- There is now a warning when an object reaches 200 vertices for lines and polygons [5801].
- An issue with the dimensions of the scale bar on the exported report has been resolved [3922].
- User can now make a blank option for a selectable attribute [5138].
- An issue with Aspect report - notes box getting cut off has been resolved [5693].
- Aspect report - 11x17 report image pages show correct page size [5695].
- An issue with Aspect report - 11x17 report footer getting cut off has been resolved [5696].
- An issue with Aspect report - a long note causing the light box to expand out to the edges of the monitor has been resolved [5697].
- The message under the handheld on the main screen now indicates if Juniper Aspect is not installed [6481].
- Parts editor user interface fix for empty catalog [4759].
- Address search functionality is improved [6520].

## Known Issues

These issues are open in this version of the software.

#	Issue	Workaround
3762	An Archer with an XF101 DGPS Receiver may not find the GPS	Reset the Archer so that the dynamic port assignment will

	receiver because the port for the GPS receiver was changed from COM2 to COM3.	properly detect the GPS and reassign it to COM2. Press and hold the power button and then choose the reset option to reset the Archer.
3761	Sometimes after a reset or resume on the Archer, a message indicating that a new modem has been detected will display.	When this happens, tap the button to dismiss the message.
4220	When moving an object on the mobile computer, the object icon and label do not move to the new location until the change is saved.	
4218	When a coverage area or polygon has multiple rings (such as a zone for coverage of several islands in a parking lot), it is not possible to delete individual rings.	Delete the entire coverage area or polygon, and recreate the rings that are needed.
3782	The software does not limit the size of the object catalogs or the number of object catalogs. But performance, especially on the mobile computer, will become slow when the object catalog is too large or when there are too many different object catalogs.	If you experience problems with the object browser loading, try reducing the size of the object catalogs or the number of object catalogs.
4765	When using a custom color for a label, setting the alpha to anything less than 255 does not save. It will automatically reset to 255.	
4775	When generating an 11x17 report, there will be extra white space when the screen resolution is less than 1280x1024.	This impact of this issue is reduced by using screen resolutions higher than 1280x1024.

4809	When an object is deleted on the desktop, and the same object is edited on the mobile computer, the deletion of the object has priority and the object will be removed from the project on both the desktop and mobile computer when it is synchronized.	This behavior is by design. An enhancement is expected in a future version to give the user more control in situations where synchronizing projects gives unexpected results.
4675	Not all baud rates work on all devices.	Pick a baud rate that works on the device you are using.
5797	Difficulty installing on a Mesa with the security set too high.	Lower the security settings.
6602	Taking excessive number of pictures may cause the application to run out of memory.	Exit out of Juniper Aspect and then open it again.
6621	Objects sometimes initially appear in the wrong location.	Panning causes the objects to be redrawn correctly.
6395	If the email addresses do not match on the registration screen and the warning is shown, it may not be removed when the email is corrected.	Check carefully that the email is correct and submit it even if the warning still shows.

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