AirMagnet Survey PRO 9.3.0

Release Notes

April 2020

Table of Contents

- Introduction 1
- Special Notes 1
- New Features in v9.3.0 3
- New Features in v9.2.2 7
- New Features in v9.2.1 7
- New Features in v9.2.0 8
- New Features in v9.1.1 9
- New Features in v9.1 10
- New Features in v9.0 12
- System Requirements 13
- Supported Site Map Image Formats 13
- Guideline for Use of Wi-Fi Adapters 14
- Limitations of Other Network Adapters 14
- Bug Fixes 14
- Known Issues 17
- Release History 17
- Technical Support 17

Introduction

AirMagnet Survey PRO is a powerful, easy-to-use WLAN site survey tool that empowers WLAN professionals with everything they need to plan and survey any 802.11 a/b/g/n/ac/ax wireless network.

These *Release Notes* highlight issues addressed in the 9.3.0 release in addition to the new features and major known issues in the previous AirMagnet Survey PRO 9.x releases. It also provides basic instructions and important notes regarding the installation and operation of the software.

Special Notes

- You must uninstall any previous version of AirMagnet Survey using the Control Panel before installing the released version of Survey PRO/Planner 9.3.0. Do not use the 'Repair' function. Using Repair has resulted in unreliable performance in some versions of Windows.
- Note when installing on Windows 8, 8.1, or 10, it is highly recommended to install all available Microsoft updates before installing and running AirMagnet Survey.

- Survey PRO 8.8 and later releases use the *.svdx* file extension for survey data files, which is different from the *.svd* file extension used in all previous releases. **It is important to note that you cannot open *.svdx* files in any previous version of Survey PRO. If you've done a survey using Survey PRO v8.8 or later, you MUST open the survey data (*.svdx*) file in Survey PRO 8.8 or later.** You can still open or import survey projects and data files saved in *.svd* format from earlier versions of the application. However, when you open an *.svd* file for the first time in Survey PRO 8.8 or later, the application will first convert the file to the new *.svdx* file format. The conversion may take longer than just opening a file. You can view the progress of the conversion from the progress bar at the bottom of the screen.
- For AP-on-a-stick surveys performed in previous versions of Survey, in which multiple surveys were performed using the same AP, NetAlly recommends merging the survey files in Survey PRO 8.7.* first and then converting them to *.svdx* format in Survey PRO 9.1 or later. This preserves AP alias names as unique for each source survey.
- When using any of the USB wireless adapters, you may need to re-create the wireless profiles when plugging the same adapter into a different USB port. This is because wireless profiles are stored based on the port, not the adapter itself.
- You must have a Cisco "Plus" license to use the Cisco Prime Infrastructure feature.
- To use 802.11ac USB adapters with this AirMagnet Survey PRO 9.3.0 release, you must have the following versions of the Microsoft Windows operating system:
    - ✓ Microsoft Windows 8 Pro/Enterprise 64-bit
    - ✓ Microsoft Windows 8.1 Pro/Enterprise 64-bit
    - ✓ Microsoft Windows 10 Pro/Enterprise 64-bit
- When performing AP-on-a-stick active surveys with an 802.11ac adapter, NetAlly recommends the following configuration scenarios:

Scenario	AP Configuration	Gateway Configuration	Adapter Configuration
1	DHCP server	Yes (using AP's IP address)	DHCP
2	DHCP server	No, not configured	DHCP
3	Not configured as DHCP server; static IP address assigned to AP	No, not configured	Static IP Address (within AP's IP address range)

New Features in v9.3.0

- Wi-Fi 6 Support 3
- iPerf 3 and Test Accessory Support 3
- AP Name Support for More Vendors 4
- End of Support for the Microsoft Windows 7 Operating System 4
- Support for the New NetAlly My AirMagnet Server 4
- Product Rebrand 4
- End of Support for the Check Adapter Utility 4
- New Antenna Patterns 4

Wi-Fi 6 Support

Support for Wi-Fi 6 (802.11ax) surveys is now available. The following improvements have been made to support this new functionality:

- New Wi-Fi 6 adapters can now be used to perform active, passive, or iPerf surveys. These adapters will use the manufacturers drivers and will not support all the functionality available to the AirMagnet Preferred adapters.
- Wi-Fi adapters on the AirMagnet Preferred adapters list can now be used to perform active, passive, or iPerf Wi-Fi 6 surveys. While using these adapters to perform an active or iPerf survey on a Wi-Fi 6 network, speeds will be limited to those supported by the adapter.
- A new and unique icon is now available to highlight access points that support Wi-Fi 6.
- Information regarding new modulation and coding scheme (MCS) values introduced on Wi-Fi 6 is now available.
- Information regarding the high efficiency (HE) operating mode introduced on Wi-Fi 6 is now available.
- Information regarding higher Data Rate values that can be achieved while using Wi-Fi 6 is now available.
- Information regarding access points configured to use 160 MHz channel widths is now available.
- Support for Wi-Fi 6 and related metrics is now available on the Simulation, MultiView, DiffView, AirWISE, and Reports views.

iPerf 3 and Test Accessory Support

Support for iPerf 3 is now available while performing an iPerf survey. Please be aware of the following while using this new functionality:

- You will be given the option to select between iPerf 2 and iPerf 3 before performing an iPerf survey.
- While using iPerf 2, you will be able to run both upload and download throughput measurements at the same time. While using iPerf 3, you will only be able to run an upload or a download test. iPerf 3 does not support the option to run both tests at the same time.
- You will have the option to perform an iPerf 3 throughput survey against your own iPerf 3 server, or you could use NetAlly's Test Accessory (pocket sized iPerf server). You will not be able to perform an iPerf 2 survey against the NetAlly Test Accessory.
- iPerf 3 surveys are only supported while using 802.11ac/ax adapters. You still will be able to use older Wi-Fi adapters while running an iPerf 2 survey.

AP Name Support for More Vendors

Support for access point names as transmitted on the beacons has been added for the following vendors on this release:

- Extreme Networks
- Mist Systems

End of Support for the Microsoft Windows 7 Operating System

After 10 years, Microsoft decided to end support for the Windows 7 operating system on January 14, 2020. As such, Windows 7 PCs no longer receive software and security updates. While you can continue to use your PC running Windows 7, without continued software and security updates, it will be at greater risk for viruses and malware. To ensure the security of your data, AirMagnet has ended support for the Windows 7 operating system. Going forward, the best way for you to stay secure is to upgrade to a newer version of Windows. For the best performance, AirMagnet recommends the use of Windows 10.

Support for the New NetAlly My AirMagnet Server

This release adds support for the new NetAlly My AirMagnet server, which allows for the download of software licenses and future software update notifications.

Product Rebrand

This release adds new NetAlly branding to the splash screens, the about screen, and the user guide.

End of Support for the Check Adapter Utility

During the last few software releases, the number of Wi-Fi adapters supported by AirMagnet WiFi Analyzer has been simplified and streamlined. Because of that the need for a Check Adapter Utility used to validate if your Wi-Fi adapter is supported has decreased.

The Check Adapter Utility will not be included on AirMagnet WiFi Analyzer starting on version 11.3.2 of the software. To find a list of Wi-Fi adapters currently supported please refer to our Preferred Adapter List, which can be found at: https://www.netally.com/wp-content/uploads/2019/12/AMM-Preferred-Adapters.pdf.

New Antenna Patterns

This Survey PRO 9.3.0 release adds the following antenna patterns.

Vendor	Antenna Pattern
Allnet	ALL-WAPC0465AC ALL-WAPC0435AC ALL-WAPC0486AC ALL-WAPC0436AC
Aruba	AP-200 AP-207 AP-510 AP-203H AP-340 AP-345 AP-365 AP-370
Cambium	e700 E400 E410

	E500 E501S E600 EPMP1000
Cisco	AP-4800 AP-1562D AP-1562I AP-1850I C9115AXI C9117AXI
Extreme Networks	AP 3801 AP 3805 AP 3825 AP 3912 AP 3915 AP 3916 AP 3917 AP 3935 AP 3965 ML-2452-SEC6M4-N36
Furukawa	FKAP-220
Huawei	AP4051TN 27010812 27010889 27010904 27010906 27011668 AP2050DN AP2050DN-E AP2050DN-S AP4050DN AP4050DN-E AP4050DN-HD AP4050DN-S AP4051DN AP4051DN-S AP4051TN AP4151DN AP6050DN AP6052DN AP6150DN AP7050DE AP7050DN AP7052DE AP7052DN AP7152DN AP8050DN AP8050DN-S AP8050TN-HD AP8082DN

	AP8182DN-27012565 AP8182DN-27012566 R250D R250D-E R450D
Meraki	MR30H MR45 MR55 MA-ANT-C5 MA-ANT-C6
Ruckus	2741 7055 7351 7372 7372-7352 7762-7762AC 7762-S-7762-S-AC 7782 7782-N 7782-S 7982 8800 C110 H320 H500 H510 R500 R510 R600 R610 T301n T301s T610 T710s 0505-DP01 2825 2942-7942 7025 7321 7363 7363-7343 7962 7982 H500 R300 R310 R320 R700 R710 R720

	R730 T300 T710 T310c T310d T310n T310s
Ruijie	AP130-L AP520(W2) AP630(CD) AP630(IDA2) AP630(IODA) AP710 AP720-I AP720-L AP740-I AP740-I(C)
Ubiquiti	UAP-AC-PRO
WatchGuard	AP327x AP125 AP325 AP225W

New Features in v9.2.2

Improved Performance

This release improves performance while opening or merging big project files.

New Features in v9.2.1

- Perform a Survey with any Windows-based Wi-Fi Adapter 7
- Combine Multiple Parallel Walls Together with AWE 8
- New Antenna Patterns 8

Perform a Survey with any Windows-based Wi-Fi Adapter

This release adds the ability to perform a survey with any Windows-based Wi-Fi adapter.

When using these adapters, please be aware of the following:

- Noise and SNR measurements are not available on these adapters. Survey PRO will indicate -100 dB when using these adapters.
- As USB 3.0 signaling is known to cause interference in the 2.4-GHz band, AirMagnet Survey PRO will force adapters to USB 2.0 operation. Windows will occasionally take time to switch operating modes and reload an adapter if the mode chosen is not the mode the card initially comes up as.

- PHY Data Rate Up is not available for an Active survey. PHY Data Rate Down is provided instead.
- These adapters will use the vendors' drivers.
- These adapters have not been tested by NetAlly; thus, they may not work as expected or may provide inaccurate information. **It is important to note that NetAlly is not responsible for the quality of the test results collected using these adapters.**

Combine Multiple Parallel Walls Together with AWE

This release adds the ability to automatically combine multiple parallel walls together while using the Automatic Wall Extraction (AWE) tool to extract the layers from a CAD drawing.

New Antenna Patterns

This Survey PRO 9.2.1 release adds the following antenna patterns.

Vendor	Antenna Pattern
AccelTex	ATS-OP-245-6-4RPTP-36 ATS-OP-245-13-4RPTP-36
Aerohive	550
Aruba	AP-305
Meraki	MR33 MR42 MR53 MR66 ANT-10 MR66 ANT-11 MR66 ANT-13 MR72 ANT-20 MR72 ANT-21 MR72 ANT-23 MR72 ANT-25
Ruijie	AP530 AP130
WatchGuard	AP325

New Features in v9.2.0

- Support for new 802.11ac USB adapters 8
- New Antenna Patterns 9

Support for new 802.11ac USB adapters

This release adds support for the following 802.11ac USB adapters:

Vendor	Adapter Model
NetAlly	▪ NetAlly AM/D1080
Proxim	▪ Proxim Orinoco 9100

Edimax	▪ Edimax EW-7833UAC AC1750
Alfa	▪ Alfa AWUS1900

When using these adapters, please be aware of the following:

- Noise and SNR measurements are not available on these 802.11ac adapters. Survey PRO will not indicate noise values when using these adapters accordingly.
- As USB 3.0 signaling is known to cause interference in the 2.4-GHz band, AirMagnet Survey PRO will force the adapter to USB 2.0 operation. Windows will occasionally take time to switch operating modes and reload an adapter if the mode chosen is not the mode the card initially comes up as.
- PHY Data Rate Up is not available for an Active survey. PHY Data Rate Down is provided instead.
- To utilize these adapters, installation of the NetAlly driver is required. After installing the application, navigate to the chosen installation folder. You will find a sub-folder there titled NTCTUSBDriverInstaller. Run *setup.exe* within that folder to install NetAlly's preferred driver.

New Antenna Patterns

This Survey PRO 9.2.0 release adds the following antenna patterns.

Vendor	Antenna Pattern
Fortinet	FortiAP 221C
HP	HP JG696A
Juniper	WLA-ANT5007-OUT
Ruckus	C110 H510 R610 T610 AT-2401-DP AT-0005-VP AT-1212-DP AT-2101-DP
TP-LINK	EAP245
Watchguard	AP322

New Features in v9.1.1

- AP Alias Enhancements 9
- Merging Surveys Without Merging Spectrum Data 10
- New Antenna Patterns 10

AP Alias Enhancements

AP Alias names are now tied to your project folder and can be easily transferred if you zip up a project folder and share it with someone else. This eliminates the need to copy files into/out of your system directory if you want to pass along alias names.

Additionally, when defining a user-friendly Alias for APs in a survey, you can now select from two options for how Survey will treat this alias: Project or Survey. The Survey alias takes precedence over the Project alias.

A Project level alias will be applied to all APs with that MAC address found in any surveys in the project. This is essentially the same as how AP Alias names worked in previous releases.

A Survey level alias will only be applied to APs with that MAC address in a single survey file. It will not apply that alias to any other surveys within the same project. A survey level alias is most valuable when conducting AP-on-a-Stick surveys where multiple surveys will have the same MAC but are being treated as separate entities.

When merging AP-on-a-Stick surveys that have Survey level AP Alias names, the following sequences should be followed:

1. Conduct the individual survey(s) for a specific location.
    a. If more than one survey is conducted for a given 'Stick' location, these surveys should be merged *before* any AP Alias is applied.
2. Apply an AP Alias for the AP in the location's survey.
3. Repeat steps 1 and 2 as necessary until all 'Stick' locations have been completed.
4. Perform a single merge of all 'Stick' level surveys to create your merged site level AP-on-a-stick survey. The individual unique survey AP Alias names will translate across to the merged survey.

Note that further merges of this final merge with other survey data may cause loss of AP Alias information. If additional merging is necessary, it is recommended that a new component survey level merge (using all the individual 'Stick' level surveys) be performed with any new survey data in a single merge to ensure AP Aliases are correctly captured and persisted.

Merging Surveys Without Merging Spectrum Data

When AirMagnet Survey has Spectrum Integration turned on, a new option will be available when merging surveys. There is now a check box in the merge dialog that asks if you would like to "Include spectrum data, if available". The option is on by default (the same as previous versions of AirMagnet Survey), but if turned off, the resulting merge data will not merge and will not carry forward any spectrum data that may have been in the component surveys. This can save time on merging in those cases where merged spectrum data is not necessary for your analysis.

New Antenna Patterns

This Survey PRO 9.1.1 release adds the following antenna patterns.

Vendor	Antenna Pattern
Aruba	Aruba AP-ANT-40 Aruba AP-ANT-45 Aruba AP-ANT-48
Cisco	Cisco AIR-ANT2588P3M-N Cisco AIR-ANT2547VG-N Cisco AIR-ANT2568VG-N Cisco AIT-ANT5114P2M-N Cisco Aironet 1810W
Mist	Mist AP41

New Features in v9.1

- Automatic Wall Extraction.....11

- Surveys without VoFi Analyzer 11
- Display with Increased Granularity 11
- New Antenna Patterns 12

Automatic Wall Extraction

Drawing walls in a floorplan can be a tedious and time-consuming task. AirMagnet Survey PRO release 9.1 allows you to automatically import walls from a CAD image of your building, dramatically reducing the time it takes to prepare a floorplan.

Each CAD layer can be individually selected for extraction and given a unique attenuation type to get the most accurate model possible for the site. Extraction allows you to choose as many or as few layers as needed. All the same wall attenuation types that are available in Planner for manual wall placement are available for CAD extracted walls.

VoFi Surveys without VoFi Analyzer

As of AirMagnet Survey PRO release 9.1, VoFi surveys can now be conducted without an installed copy of VoFi Analyzer being present. VoFi surveys can be helpful in troubleshooting problem areas in a VoFi deployment; they can provide details about the active call such as WiMOS, roaming frequency, and signal strength.

VoFi surveys gather data from an active connection between a wireless AP and a VoFi phone. To establish this connection, you generate a call between two phones (one of which must be a VoFi phone; the other may be VoFi or wired) before attempting to start the survey. Once Survey detects the call, you can start collecting the survey data. With the differences between individual VoFi phones, you must provide some configuration information in order to ensure that Survey can properly interpret the data received from VoFi surveys. This process consists of you creating VoFi phone profiles within Survey's phonebook that correspond to the types of phones in use (or expected to be in use) on the VoFi deployment.

Be aware that Softphones may not be detected since they may not generate enough traffic to allow call detection.

Refer to the *User Guide* for additional specific configuration information relative to conducting VoFi surveys.

Display with Increased Granularity

Survey PRO 8.8 and later use a 'tiling' mechanism for determining the smallest 'square' of space to color on a heatmap. The tile size is determined by the overall dimensions of the floorplan. For very large sites, this may result in a blocky look to the heatmap when zoomed in to look at small areas. Surveys of large sized sites can now be opened in Increased Granularity mode to counteract this. The increased granularity will be visible in the Display screen, as well as any reports generated while the survey is set to Increased Granularity.
To open a survey in increased granularity, right click the survey in the survey list while in the Display screen and select "Open with Increased Granularity". The survey data will now be recalculated with a smaller tile size. When using the Increased Granularity feature, please be aware of the following:

- Calculating heatmaps will take longer than with standard granularity and will be more pronounced in some heatmaps over others. Channel Interference takes a large amount of memory to calculate and may become slow to load when using Increased Granularity. If Survey generates an 'Out of Memory' message, you will need to reload the survey in Standard Granularity to view that heatmap.
- If you enter AirWISE while your data is in Increased Granularity, you may see slightly different percentage values than when in Standard Granularity. This is expected behavior as the increased granularity can influence how much overall area meets a given cutoff value.
- DiffView and MultiView automatically re-open all projects in Standard Granularity. This will force you to re-open your project in Increased Granularity when you return to Display. It is recommended that any necessary Display work be done before moving to DiffView or MultiView to save time in recalculating data.

- Simulation view is incompatible with Increased Granularity; the memory burden on most systems results in severely deprecated performance. If you need to use Simulation, open the project in Standard Granularity first.

New Antenna Patterns

This Survey PRO 9.1 release adds the following antenna patterns.

Vendor	Antenna Pattern
AccelTex	AccelTex ATS-OP-245-47-4RPSP-36
Aruba	Aruba AP 320 Aruba AP 325 – Update Aruba AP 225 – Update
Cisco	Cisco AIR-ANT2566D4M-R Cisco AIR-ANT2566P4M-R Meraki ANT-21 Meraki ANT-20 Meraki ANT-23 Meraki ANT-25
Watchguard	Watchguard AP 320 Watchguard AP 120

New Features in v9.0

- Survey Mobile 12
- CAD Layer Viewing 12
- Disable Headers / Footers in Reports 12
- Automatic AP Numbering 13
- Improved Wall Selection 13

Survey Mobile

AirMagnet Survey PRO release 9.0 provides you with Android-based survey tool Survey Mobile.

Survey Mobile allows you to quickly and easily conduct surveys on Android phones or tablets. This allows data to be collected on lower end BYOD/consumer grade devices to see how these devices will experience the network. Once your survey is complete, just email the project from your handheld device, and open the project (*.svd* file) in AirMagnet Survey PRO for deeper survey analysis and reporting.

You can find the *.apk* file for this software in your Survey PRO installation directory.

CAD Layer Viewing

When importing a DWG image, you can now select which specific layers within the CAD drawing you would like to view within Survey. This can cut down on clutter and make CAD files much easier to work with.

Disable Headers/Footers in Reports

This release adds the ability to enable and disable the header and footer areas within a generated report. This allows multiple reports to be combined to create a master report without having contradictory header/footer information.

Automatic AP Numbering

This release adds an automatic renumbering feature to access points placed within Planner. If APs are deleted or removed during the course of planning, the renumbering button now allows all APs to be renumbered without missing AP numbers

Improved Wall Selection

Holding the shift key along with the select icon now allows you to select all wall objects that fall completely within the selection area. These objects can then be moved or deleted as a group.

System Requirements

Laptop/Notebook PC/Tablet PC

- Operating Systems: Microsoft Windows 8 Pro/Enterprise 64-bit, Microsoft Windows 8.1 Pro/Enterprise 64-bit, or Microsoft Windows 10 Pro/Enterprise 64-bit.
- Intel® Core™ 2 Duo 2.00 GHz (Intel® Core™ i5 or higher recommended).
- 4 GB memory or higher.
- 800 MB free HDD or SSD space.
- AirMagnet-supported wireless network adapter(s).
- USB port or Express Card slot for external adapter use.
- When using multiple adapters, AirMagnet recommends the use of its multi-adapter kit. Otherwise, multiple slots/ports in the PC are required.
- Optional AirMagnet Spectrum XT adapter and license for integrated spectrum survey on Survey PRO. This is required for viewing spectrum data and heat map.
- Google Earth must be installed to export the GPS data for outdoor surveys to Google Earth (Survey PRO only).

Apple® MacBook® Pro

- Operating Systems: MAC OS X v10.9 or higher running a supported Windows OS (as noted under the Laptop/Notebook PC/Tablet PC section) using Boot Camp®.
- Intel®-based CPU 2.0 GHz or higher.
- 4 GB memory or higher.
- 800 MB free HDD or SSD space.
- USB port for external adapter use.
- AirMagnet-supported wireless network adapter(s).
- Optional AirMagnet Spectrum XT adapter and license for integrated spectrum survey on Survey PRO. This is required for viewing spectrum data and heat map.
- Google Earth must be installed to export the GPS data for outdoor surveys to Google Earth (Survey PRO only).
- When using multiple adapters, AirMagnet recommends the use of its multi-adapter kit. Otherwise, multiple slots/ports in the MacBook® Pro are required.

Supported Site Map Image Formats

.bmp, .dib, .dwf, .dwg, dxf, .emf, .gif, .vsd, .jpg, .wmf, .vdx, and .png.

Guideline for Use of Wi-Fi Adapters

AirMagnet Survey/Planner requires that a Wi-Fi adapter be installed on the same computer running the application to capture Wi-Fi data.

AirMagnet mobile products categorize Wi-Fi adapters into the following types:

- **Preferred Adapters**: These adapters have been tested by AirMagnet and are recommended for use with AirMagnet products. Drivers have been customized for extended feature support. For a complete, up-to-date listing of AirMagnet Preferred wireless adapters, visit https://www.netally.com/wp-content/uploads/2019/12/AMM-Preferred-Adapters.pdf.
- **Other Adapters**: These adapters can be used with AirMagnet Survey PRO but have not been tested by AirMagnet. Drivers have not been customized, will provide limited features, and could provide inaccurate data.

Note: When installing Intel® and USB adapters, it is important that you uncheck the option to install the adapter's client utility in addition to the driver software.

Limitations of Other Network Adapters

Any 802.11 adapter supported by Windows other than the Preferred Adapters falls into the Other network adapters category. They can be used with AirMagnet Survey PRO to perform a survey but have not been tested by AirMagnet. These adapters' drivers have not been customized, provide limited feature support, and could provide inaccurate information. **It is important to note that NetAlly is not responsible for the quality of the test results collected using these adapters.**

The following are noted limitations of generic adapters in AirMagnet Survey.

- No ability to scan specific channels: all channels are scanned. There is no Scan or 802.11 tab under the **File>Configure** menu.
- No noise or signal-to-noise ratio (SNR) measurements.
- Measured PHY data rates in the uplink and downlink directions are not separated. Only a single PHY data rate for the connection is reported.
- No packet retries and loss measurements on active and iPerf surveys.
- iPerf throughput performance may vary, depending on the model of the generic adapter in use.
- Limitations in the wireless channels that they scan: They may only be able to scan channels that are approved for wireless use in a specific country, and unable to scan channels assigned as Dynamic Frequency Selection (DFS) channels.
- Only one 802.11ac adapter can be used when utilizing multiple adapters. Refer to "Utilizing Multiple Adapters" in the *AirMagnet Survey User Guide*.
- There is no roaming control for active and iPerf surveys.
- Due to the inability to disable roaming on the adapter, only the "by SSID" (not by AP) method is available for active and iPerf surveys.

Bug Fixes

This section covers the defects that have been fixed in this release.

Survey

Defect ID	Description
DE16286	No data saved for AP or Station when the Locate Station option is enabled.

DE16884	Channel Interference on Reports reported incorrectly from Filtered file generated from a Merged file.
DE15473	Active iPerf survey speeds show as being lower than expected when compared to a stand-alone iPerf server.

Previous 9.x Releases

Defect ID	Description
DE17764	Survey hangs/exits when merging big data files
DE16655	"A digitally signed driver is required" message pop-up after installation
DE9339	Spectrum Interferers go missing from the Display view Interferer Power heatmap after changing the RF propagation radius.
DE9974	The legend on the Reports page doesn't match the color bar adjustment options you select.
DE10023	Survey data collected with Calibration not tagged accordingly.
DE10388	Report AP count does not display correctly when the AP Grouping is enabled.
DE14197	AP-on-a-stick → During a data merge, AP alias name is overwritten.
DE14215	When creating an AirWISE report, the application uses the filter selection from the AirWISE view which may not match the filter shown in the Report view.
DE14395	Channel Interference is not shown correctly in AirWISE or Display with AP Grouping enabled
DE14861	In reports, occasionally first time running a report results in the wrong number of APs shown.
DE14943	A Different Max Signal is shown in filtered survey data than in the original merged source.
DE15102	Channel interference is shown incorrectly for 20MHz channel APs in the 5GHz band.
DE15213	Cisco Location Service heatmap displays incorrectly in AirWISE.
DE15230	The heatmap changes when enabling or disabling AP grouping.
DE15404	Reporting misses AirWISE sections on first run.
DE15471	Cannot perform Active / Iperf surveys to an SSID which contains the & (ampersand) character.
DE15824	Checkbox for Select All 2.4GHz and 5GHz in the tree view does not show heat map when 5GHz selected.
DE15809	Reports cover sheet image cannot be changed in Portrait oriented reports.
DE15822	Crash when adding a floor plan to a Survey Project.
DE15824	Checkbox for Select All 2.4GHz and 5GHz in the tree view does not show heat map when 5GHz selected.
DE15891	Crash when exporting a project for Survey PRO.
DE15918, DE15937	Digitally signed driver needed for secure operation on Windows 10 OS.
DE15969	In reports, total SSIDs in reports section of AP Detail Breakdown is not accurate.
DE16071	Alias name not applied as expected for active surveys.
DE16114, DE16115, DE16116, DE16117	Antenna correction for Aruba 225 & 325.
DE16123	Placed AP icons are missing after merging (AP-on-a-Stick).
DE16254	AirWISE saved areas are not visible.
DE16312	Crash during survey data collection in certain circumstances.
DE16467	Newly created plans do not get saved unless you modify the plan.

Defect ID	Description
DE16514	Path is shifted and the incorrect size when viewing a project which was exported from Survey Mobile
DE16549	Reports languages: Mixed languages found in reports
DE17286	Active association issues with NetAlly driver
DE17435	Unable to get Garmin Etrex GPS to work with Survey
DE17284	Survey with spectrum integration enabled – application crash upon startup
DE16975	Intel 7260/7265: Positive Signal Strength Reported
DE17240	Atheros drivers error 52, digitally signed error / softload subsystem error
DE17468	No channel interference heatmap in Display Mode
DE17548	Active Survey report, WLAN Deployment Requirements: Incorrect Descriptions
DE17480	Overall Coverage Report by Channel: Incorrect Date/Time
DE17568	AirWISE not flushing Channel Interference cache when switching back to Display Mode
DE17633	Simulation Mode automatically powers Auto Positioned AP's
DE17593	AirWISE: Refresh issue when using the band selection options
DE17648	Old driver installer included on the installation folder
DE16768	Legend switches from currently set to -70 dBm
DE16865	RF Spectrum report contains no heatmaps with VoFi Survey
DE16967	Inability to open Survey Projects using mapped networks drives in Windows 10
DE17086	Crash when moving placed AP's
DE17091	Adding an AP in Simulation results in Measured UP data type in Display mode
DE17100	Legend for the Individual PHY Data Rate heatmaps is on the following page
DE17113	Adapter stops seeing traffic after performing multiple surveys
DE17136	By default, some DFS channels are not checked in the Scan tab under Configure setting
DE17170	Application crash when disabling heat map
DE17373	Unable to run VoFi report on merged VoFi files
DE17533	Duplicate MAC Address has been Detected
DE17536	No heatmap data shown for Channel Overlap 802.11ac when using two or more 802.11ac 20MHz AP's
DE17005	Extract Wall objects from CAD function is missing some wall segments
DE17489	AWE: Diagonal, parallel, or vertically oriented lines not combining
DE16074	Survey Mobile: crash when starting Survey
DE17439	Wi-Fi throughput test fails with default URL
DE17448	Crash when starting Survey Mobile
DE17449	Need to disconnect from the AP before running Connection Test
DE17665	Online Audio Test in User Experience failed
DE17666	Cannot load image from LinkRunner G2 camera

Known Issues

This section documents the major known issues with this AirMagnet Survey 9.2.2 release.

Defect ID	Description
DE16046	User interface issues with high resolution displays. **Workaround**: Lower the display resolution to 1920 x 1080.
DE16373	Not all AP's are included on the heatmap while using the Channel tab option. **Workaround**: Use the SSID tab to select the AP's to be included on the heatmap.
DE15630	A change in Region/Language causes the floor plan to shift. **Workaround**: Open a project using the same Region/Language on which it was created.
DE11882	Unable to enter number of users when using the Arbitrary Region tool on AirWISE.
DE15465	AP's are being placed in Planner as using channel 0 for the 2.4 GHz and 5 GHz bands when an AP is set to default. **Workaround**: Change any AP setting and then change that AP to Default and the behavior goes back to expected, with the correct channels.
DE16977	AP name not showing up Aruba AP325.
DE15696	On the reports, colors don't match between the Signal Distribution heatmap and its legend. **Workaround**: Filter the data just to the SSID in question then run the report.

Release History

Release Month	Release Version
04/2020	AirMagnet Survey PRO 9.3.0
11/2018	AirMagnet Survey PRO 9.2.2 (Build 36932)
04/2018	AirMagnet Survey PRO 9.2.1 (Build 36927)
07/2017	AirMagnet Survey PRO 9.2.0 (Build 36843)
03/2017	AirMagnet Survey PRO 9.1.1 (Build 36696)
12/2016	AirMagnet Survey PRO 9.1 (Build 36631)
09/2016	AirMagnet Survey PRO 9.0.1 (Build 36460)
08/2016	AirMagnet Survey PRO 9.0 (Build 36354)

Technical Support

If you need help with this AirMagnet Survey PRO 9.3.0 release, contact NetAlly, as follows:

Contact Venue	Description
Web:	https://www.netally.com/support/#TechnicalSupport
Phone:	1-844-878-2559 or 1-719-755-0770 and select Option 2

Note: *International direct dial phone numbers are available at https://www.netally.com/contact-us/.*