

AirMagnet Survey Express v12.0

Release Notes

June 23, 2025

AirMagnet Survey Express is a powerful, easy-to-use WLAN site survey tool that empowers WLAN professionals with everything they need to survey any 802.11a/b/g/n/ac/ax/be wireless network on the 2.4-GHz, 5-GHz, and 6-GHz bands.

These Release Notes briefly describe the new features and enhancements included in the release.

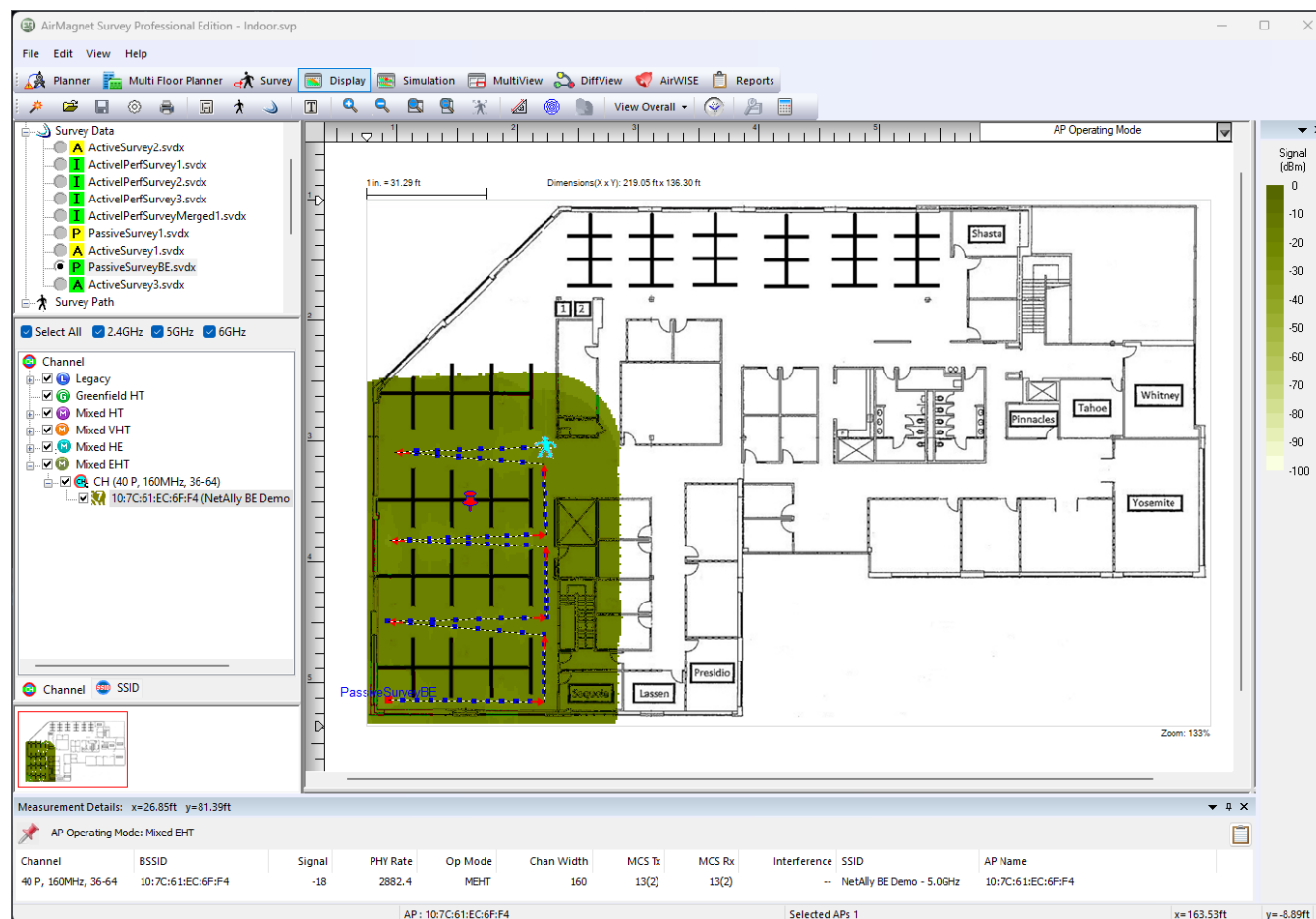
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Version 12.0 New Features & Enhancements

Wi-Fi 7 Site Survey Support

Starting with this release you will now be able to analyze, troubleshoot, and validate Wi-Fi 7 networks using AirMagnet Survey Express! This release introduces the ability to perform Wi-Fi 7 active or passive site surveys on the 2.4 GHz, 5 GHz, or 6 GHz band. Some of the new site survey functionality now available includes the following:



- Native Wi-Fi 7 adapters can now be used to perform active or passive 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 or passive Wi-Fi 7 surveys. While using these adapters to perform an active survey on a Wi-Fi 7 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 7. 🏠
- Information regarding new modulation and coding schemes (MCS) values introduced on Wi-Fi 7 is now available.

- Information regarding the extremely high throughput (EHT) operating mode introduced on Wi-Fi 7 is now available.
- Information regarding higher Data Rate values that can be achieved while using Wi-Fi 7 is now available.
- Information regarding access points configured to use 320 MHz channel widths is now available.
- Support for Wi-Fi 7 and related metrics is now available on the Survey, Display, DiffView, and Reports views. Translations for all reports have also been updated.

Please keep the following in mind while using this new functionality:

- This release does not include support for Wi-Fi 7 in the Throughput Simulator.
- This release does not include support for Wi-Fi 7 APs on the Simulation mode.
- When calculating predicted PHY data rates for Wi-Fi 7 APs Survey will only support up to 4 spatial streams and will assume that 0.8 μ s Guard Intervals are used.
- On this release MAC randomization is not supported while performing active surveys.
- All user customized report templates will need to be regenerated following this update to include new Wi-Fi 7 data.

Support for Wi-Fi 7 AirMapper Site Surveys

It will now be easier than ever to perform Wi-Fi 7 passive site surveys! No dongles, no laptops or tablets, and no tethered devices required! Starting on this release you will be able to import Wi-Fi 7 site survey data collected using AirMapper on the AirCheck G3, EtherScope nXG, CyberScope, or CyberScope Air into AirMagnet Survey.

Note: When importing Wi-Fi 7 AP data from AirMapper, the MCS and number of spatial streams will always be 13 and 4 respectively.

Updated System Requirements

The System Requirements for Survey Express have been updated to help improve system performance and your user experience.

Laptop/Notebook PC/Tablet PC

Microsoft Windows 10 Pro/Enterprise 64-bit or Microsoft Windows 11 Pro/Enterprise 64-bit

- Intel® Core™ 7 processor or higher recommended
- 8 GB RAM or higher recommended
- 1 GB free hard disk space or more recommended
- AirCheck G3/EtherScope nXG/CyberScope with AirMapper™ (recommended) or AirMagnet-supported wireless network adapter(s)

Apple Macbook PRO

MAC OS X v10.5 (Leopard) or higher running a supported Windows OS (as noted under Laptop/Notebook PC/Tablet PC section) using Boot Camp or a Virtual Machine

- Intel Core 7 processor or higher recommended
- 8 GB RAM or higher recommended
- 1 GB free hard disk space or more recommended
- AirCheck G3/EtherScope nXG/CyberScope with AirMapper™ (recommended) or AirMagnet-supported wireless network adapter(s)

Bug Fixes

AMD-830 - An updated driver is now available for the Emwicon USB adapter that resolves an issue on which that adapter was not recognized by Windows 11 after updating to version 24H2.

AMD-849 – Resolved an issue on which imported AirMapper projects would sometimes show the wrong SSID.

AMD-852 – Resolved an issue on which the D1080 drivers may crash when you turn off access to your location.

AMD-845 – Resolved an issue on which an “OS Version Check” warning message showed up when installing Survey Express on Windows 11.

Known Issues

- AMD-826 – “Survey has not received any frames from supported adapter” error message when using Windows 11 Enterprise 24H2.
 - On October 1, 2024, Microsoft began rolling out to all Windows 11 users, version 24H2. It wasn’t until the end of January 2025 that they made this eligible to devices running Windows 10, version 22H2.
 - NetAlly has noted that one issue is the current incompatibility with AirMagnet Survey Express. Windows 11 v24H2 is causing preferred adapter issues which impede the ability to collect Survey data. While Microsoft continues to work through their list of issues and our engineering team researches the problem, NetAlly recommends the following:
 - Do not upgrade to Windows 11 version 24H2
 - If you have already upgraded, roll back to Windows 11 version 23H2 or Windows 10 version 22H2
 - If you need assistance, contact the NetAlly Customer Experience and Solutions Center <https://www.netally.com/support/technical-support/>
- AMD-744 - Application stops responding when trying to perform an active survey to an AP on Channel 165 (Intel AX201 adapter).
- AMD-750 - PHY data rates are frozen during an Active survey while using an Emwicon WMI7211 adapter.
- AMD-376 - Survey Report: Deleted section is still included in the body of the report.
- AMD-594 - Passive Survey report page for 30 Top APs is missing the strongest BSSIDs in all three bands.
- AMD-524 - Incorrect AP Power is shown in AP List section of reports.
- AMD-755 - Incorrect channel displayed in Measurement Details (doesn't match channel in tree view).

Thank you for your investment in NetAlly products!