

AirMagnet Survey PRO, Survey Express, and Planner v12.1

Release Notes

Released December 8, 2025

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 802.11a/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.

NOTE: Certain features and enhancements apply to the specified products only.

Contents

Version 12.1 New Features & Enhancements	2
Wi-Fi 7 MultiFloor Planner Support	2
Wi-Fi 7 Support in the Multi-Floor Planner Advisor.....	4
Updated System Requirements.....	5
End of Support for NetAlly Custom Drivers.....	6
New Antenna Patterns	7
Bug Fixes	8
Known Issues	8

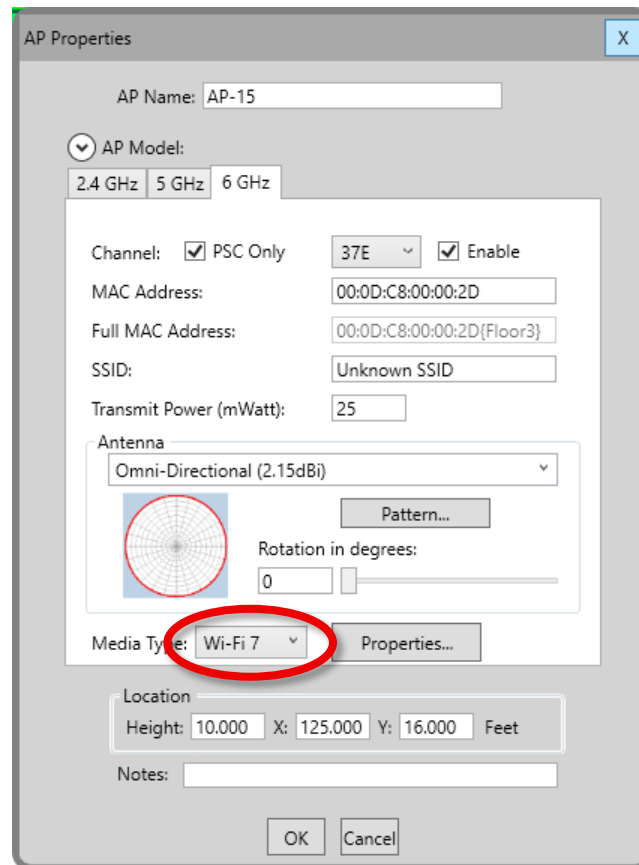
Version 12.1 New Features & Enhancements

Wi-Fi 7 MultiFloor Planner Support

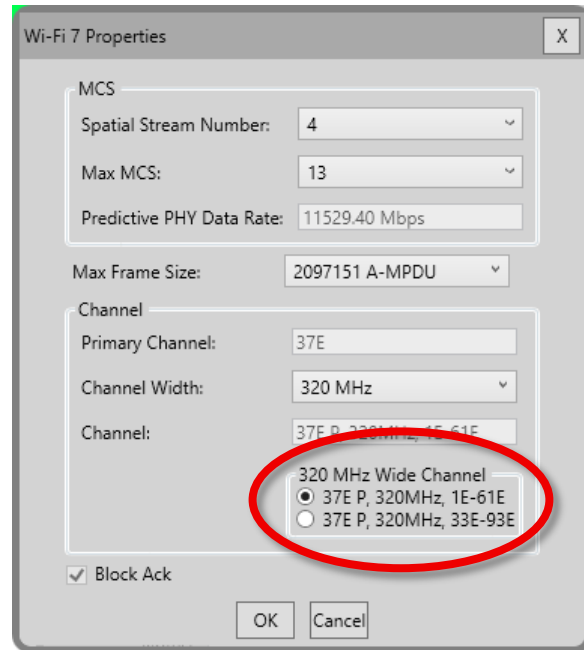
For AirMagnet Survey Pro and MultiFloor Planner

You will now be able to plan and design Wi-Fi 7 networks using AirMagnet Survey/Planner! This release introduces the ability to generate Wi-Fi 7 predictive surveys on the 2.4/5/6 GHz bands while using the Multi-Floor Planner. Some of the new functionalities now available include:


- The media type for simulated APs on the Multi-Floor Planner can now be set to Wi-Fi 7 on the 2.4/5/6 GHz bands.





- When using 320 MHz channel widths, you can now select between Channel 1E-189E or Channel 33E-221E, on the Wi-Fi 7 Properties screen.



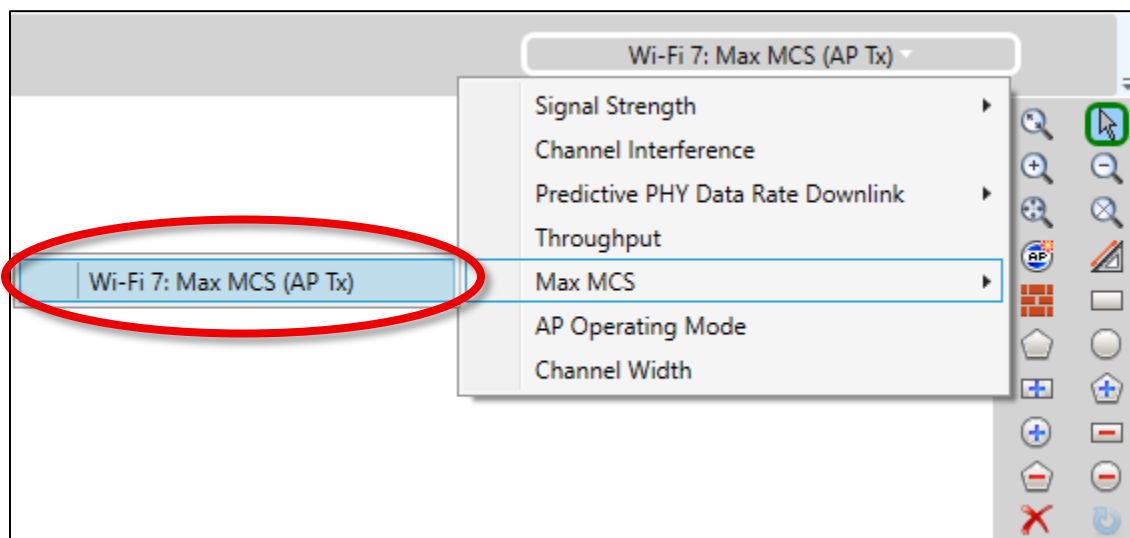
- New and unique icons and related information are now available in the Multi-Floor Planner to highlight:

 Access points that support Wi-Fi 7.

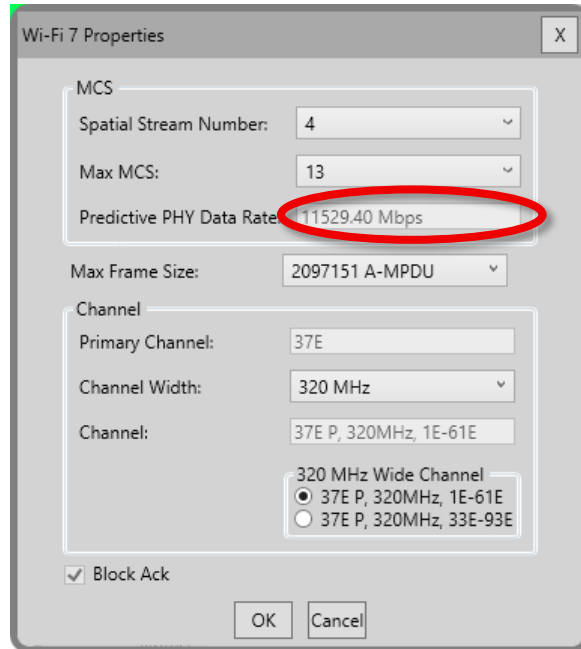
 The extremely high throughput (EHT) operating mode introduced on Wi-Fi 7.

 Access points configured to use 320 MHz channel widths.

- Information regarding new modulation and coding schemes (MCS) values introduced on Wi-Fi 7 is now available, which includes the introduction of a new **Wi-Fi 7: Max MCS (AP Tx)** visualization.



- Information regarding higher Data Rate values that can be achieved while using Wi-Fi 7 is now available.



- Support for Wi-Fi 7 and related metrics is now available on the Reports included with the Multi-Floor Planner.

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

- When calculating predicted PHY data rates for Wi-Fi 7 APs the Multi-Floor Planner will only support up to 4 spatial streams.
- All user customized report templates will need to be regenerated following this update to include new Wi-Fi 7 data.

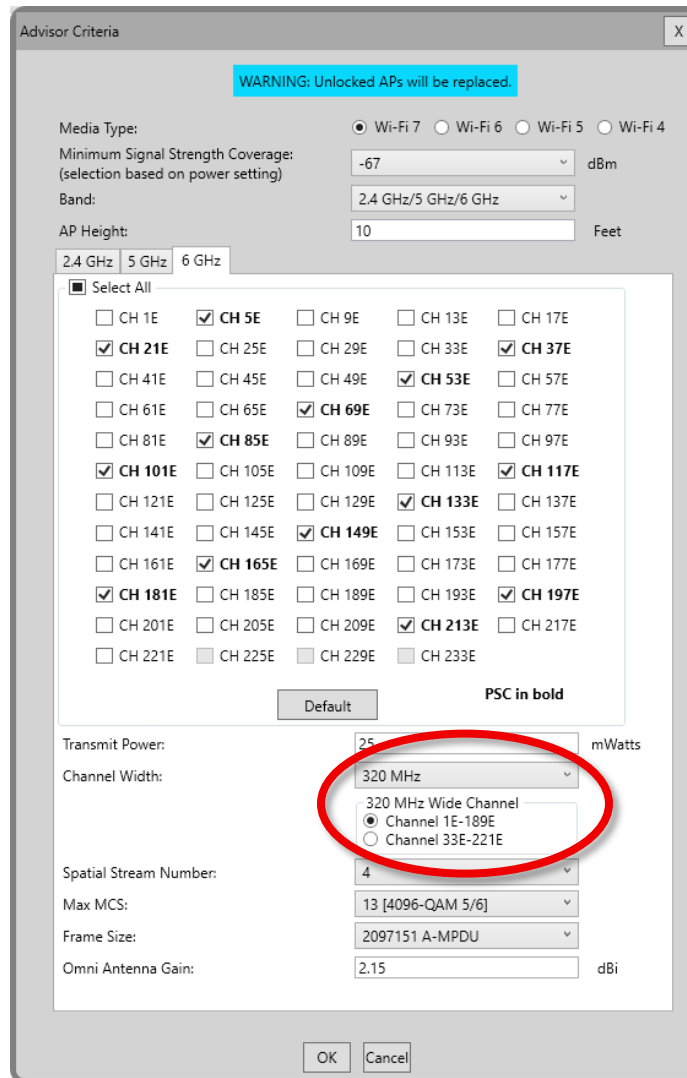
Wi-Fi 7 Support in the Multi-Floor Planner Advisor

For AirMagnet Survey Pro and MultiFloor Planner, Unavailable on Survey Express

Need some help deciding where to install your new Wi-Fi 7 APs? We have you covered! The Multi-Floor Planner Advisor tool now includes support for 802.11be APs. Some of the new functionalities now available include:

- When selecting Wi-Fi 7 as the Media Type, the following new options are available:
 - Max MCS: Select up to MCS 12 (4096-QAM 3/4) and MCS 13 (4096-QAM 5/6). Values from MCS 0 (BPSK 1/2) through MCS 13 (4096-QAM 5/6) are supported.

- Channel Width: Select widths up to 320 MHz on the 6 GHz band and select between Channel 1E-189E or Channel 33E-221E for 320 MHz.



Updated System Requirements

For AirMagnet Survey Pro, Survey Express, and MultiFloor Planner

After 10 years, Microsoft decided to end support for the Windows 10 operating system on October 14, 2025. As such, Windows 10 PCs will stop receiving both software and security updates. While you can continue to use your PC running Windows 10, without continued software and security updates, it will be at greater risk for viruses and malware. To ensure the security of your data, NetAlly has ended support for the Windows 10 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 NetAlly recommends the use of Windows 11.

Laptop/Notebook PC/Tablet PC

- **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)

End of Support for NetAlly Custom Drivers

For AirMagnet Survey Pro and Survey Express

In October 2024, Microsoft released version 24H2 of the Windows 11 operating system, also known as the Windows 11 2024 Update. This update introduced multiple changes to the operating system, which caused the custom AirMagnet Wi-Fi adapter drivers to stop working as expected. Because of that, we are ending support for the custom AirMagnet Wi-Fi adapter drivers.

If you need to use some of the functionality provided by the custom AirMagnet Wi-Fi adapter drivers, we recommend you consider using the AirMapper app on any of our AllyWare Wi-Fi testers to collect site survey data.

- With AirMapper, users of AllyWare Wi-Fi testers can quickly and easily gather location-based Wi-Fi 7 measurements and generate visual heat maps of key performance metrics in Link-Live or AirMagnet Survey PRO.
- With the AirMapper app, you can measure SNR, use up to two Wi-Fi radios to perform active and passive surveys in parallel, plus have the option of configuring how the test radio behaves.

As an alternative, you may want to consider using the Windows default drivers. This makes your adapter work like a standard Wi-Fi adapter:

- 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 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 adapter can be used at a time to perform site surveys.
- There is no roaming control for active and iPerf surveys.
- Due to the inability to disable roaming on the adapter, active and iPerf surveys can only be conducted the “by SSID” (not "by AP").

For more information regarding the alternatives mentioned above please contact our [technical support team](#).

New Antenna Patterns

For AirMagnet Survey Pro and MultiFloor Planner

This Survey PRO release adds the following antenna patterns:

Vendor	Antenna Pattern
Aruba	AP-755 (tri-band)
Cisco	CW9176D1 (tri-band, directional) CW9176I (tri-band, internal)
Cisco/Meraki	CW9163E / CW-ANT-D1-NS-00 (tri-band, directional) CW9163E / CW-ANT-O1-NS-00 (tri-band, omni dipole)
Extreme Networks	AP5050D (tri-band) AP5050U (tri-band) AP5020 (tri-band) AP460i (dual-band) AP360i (dual-band) AP310i (dual-band)
Fortinet	FAP-432G (tri-band) FAP-433G (tri-band)
Furuno Systems	Acera 1210/1310/1320 (dual-band, azimuth only)
Ubiquiti	U6 Enterprise (dual-band)

Bug Fixes

- AMD-524 - Incorrect AP Power is shown in AP List section of reports.
- AMD-503 - View Per AP: AP Properties Color setting is not saved.
- AMD-827 - Limit AP List to include only BSSIDs that match the Display filter on Multi-Floor Planner
- AMD-838 - 6GHz AP is mis-identified as 5GHz on Survey
- AMD-825 - Diffview color legend tips are cut off by Windows edges

Known Issues

- 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-755 - Incorrect channel displayed in Measurement Details (doesn't match channel in tree view).

Thank you for your investment in NetAlly products!