AllyWare™ v2.7 Release Notes

January 31, 2025

NetAlly's network testers and analyzers are built on our AllyWare common technology platform. These AllyWare 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

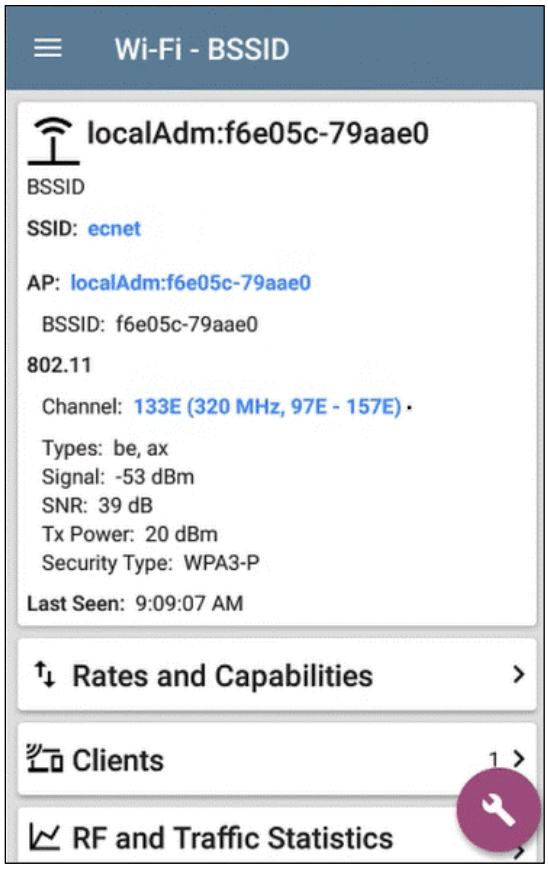
Version 2.7 New Features & Enhancements

Wi-Fi 7 Visibility

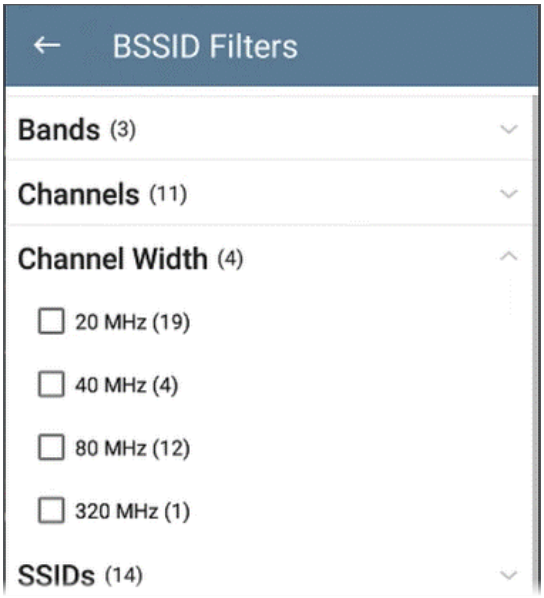
EtherScope nXG, AirCheck G3, CyberScope, CyberScope Air

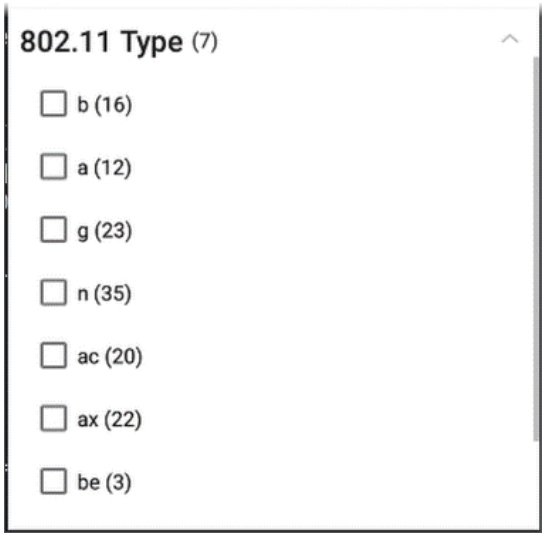
Starting with this AllyWare v2.7 release you will be able to use the Wi-Fi 6 radio in your tester to discover and locate Wi-Fi 7 (802.11be) devices in the 2.4/5/6 GHz bands! Even though Wi-Fi 7 introduces new technologies designed to increase throughput and stability of Wi-Fi networks, basic functionality has stayed the same. Because of that, you will be able to run connectivity, roaming, Ping/TCP, iPerf, discovery tests and more by using the Wi-Fi 6 radio currently available in your NetAlly testers.

NetAlly Wi-Fi testers will now be able to detect and display the 802.11be media type, being used on APs and Clients, as reported in the wireless management frames.

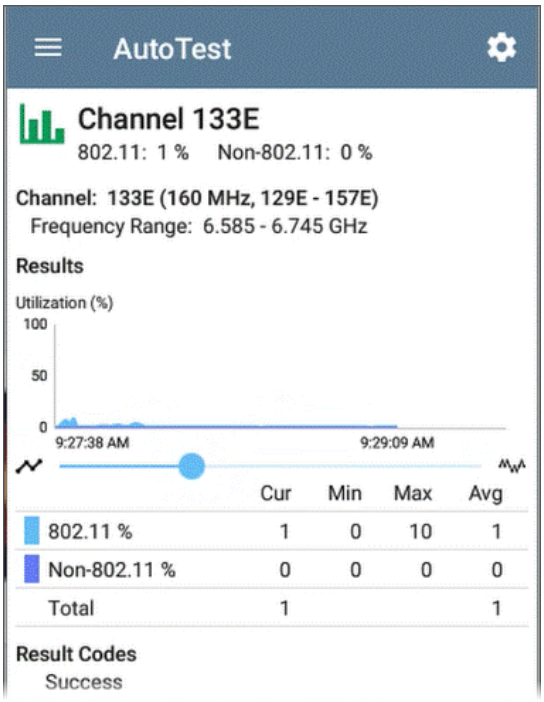


If your tester detects Wi-Fi 7 traffic, related Sort and Filter options for **320 MHz** channels and 802.11**be** are displayed.





You will also be able to connect to a Wi-Fi 7 network while performing an AutoTest to easily validate connectivity and roaming performance.



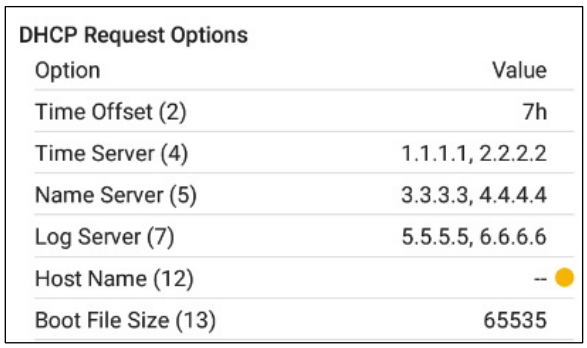
NOTE: When running a connectivity AutoTest you will only be able to connect to a Wi-Fi 7 AP at Wi-Fi 6 data rates (speeds).

AutoTest Improvements

All AllyWare Products

Detailed DHCP Option Results

DHCP Options are commonly used to automate the process of configuring devices that are being connected to your network (e.g. Wi-Fi Access Points), and now it will be easier than before to validate that they have been configured correctly! When a user selects DHCP Request Options from the AutoTest Settings **Profile > IP Configuration** screen, a new table with a list of all the options being tested for will be available under the DHCP test results. Each row in the table shows the option name, number, and any value received. If the option was not received, double dashes are shown with a yellow Warning dot.



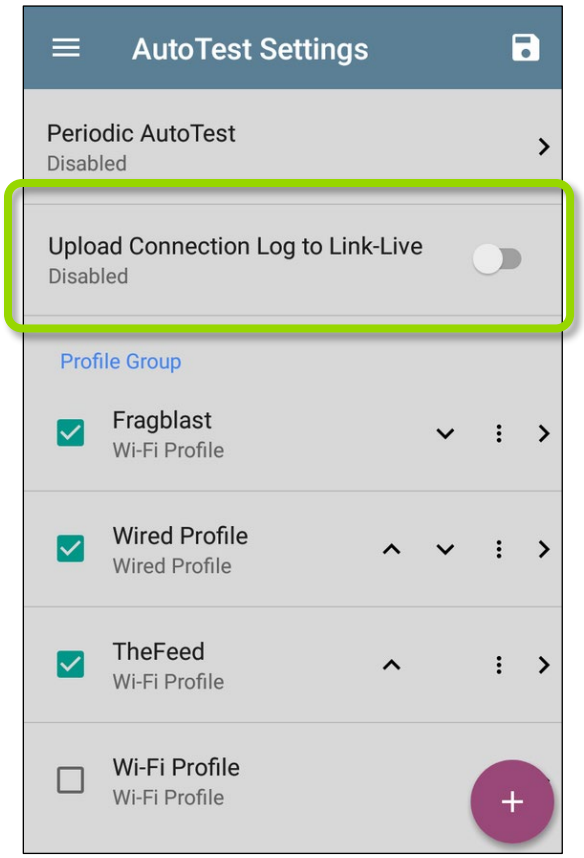
/31 Subnet Mask with Static IP

On this release we have simplified the process of testing Point-to-Point deployments. When configuring a Static IP test in an AutoTest Profile, users can now select the /31 Subnet Mask on the **Profile > IP Configuration** screen.

Automatically Upload Connection Logs

We have simplified connectivity testing workflows, again! There is no need to manually attach connection logs to your AutoTest results anymore. When the **Upload Connection Log to Link-Live** setting is enabled, your tester will automatically upload the Connection Log to Link-Live each time an AutoTest Profile runs.

By default, this setting is disabled and logs do not automatically upload. When disabled, you can still view and upload connection logs from various AutoTest Profile results screens.



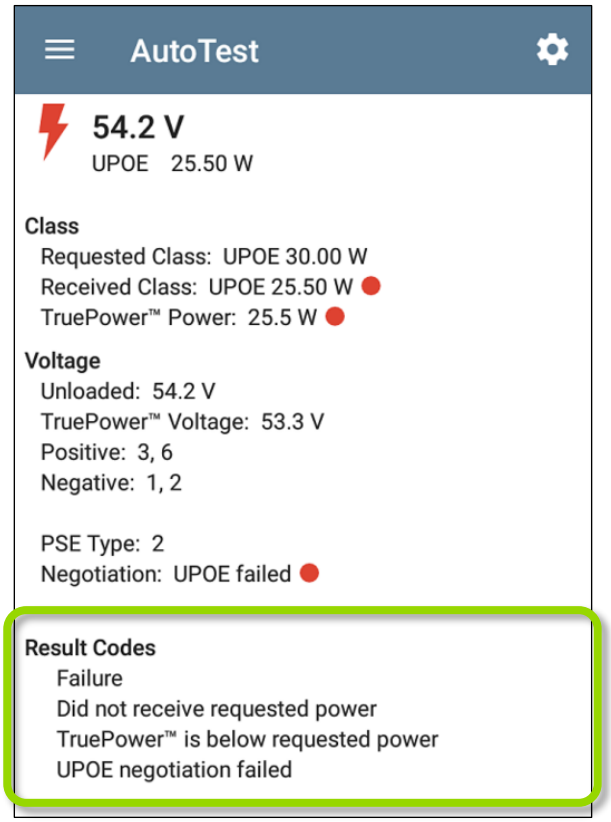
Wired Test Enhancements

EtherScope nXG, CyberScope, CyberScope XRF, LinkRunner 10G, LinkRunner AT 3000/4000

More Details on POE Failure Results

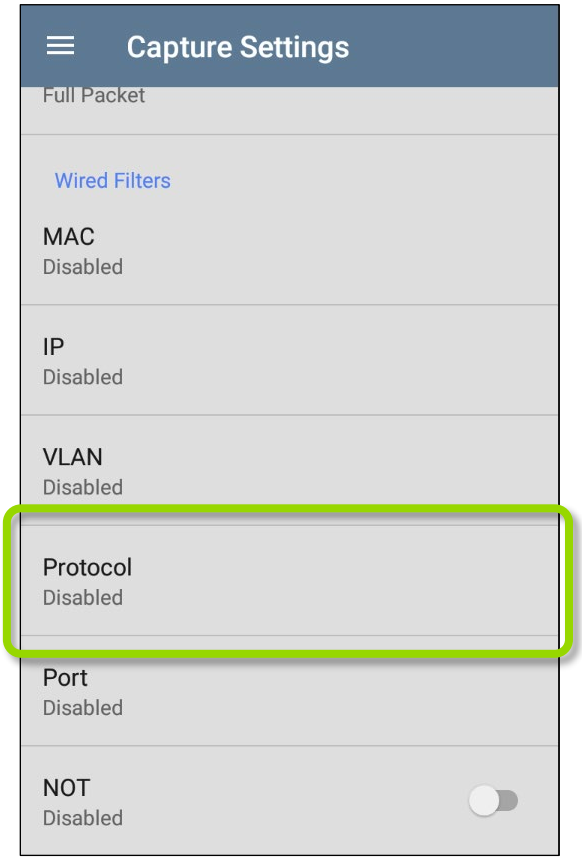
Identifying the root cause of Power over Ethernet (PoE) problems doesn't have to be a hassle anymore. The Power over Ethernet test in Wired AutoTest Profiles now displays additional Result Codes to indicate the cause of test failure. New Result Codes include the following:

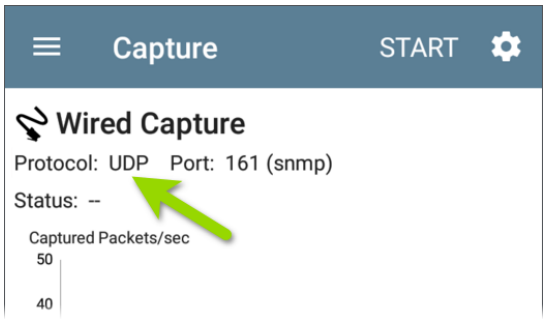
- Did not receive requested power
- LLDP negotiation failed
- UPOE negotiation failed
- Unrecognized power source
- TruePower is below requested power
- TruePower voltage is outside of range



Wired Protocol Capture Filter

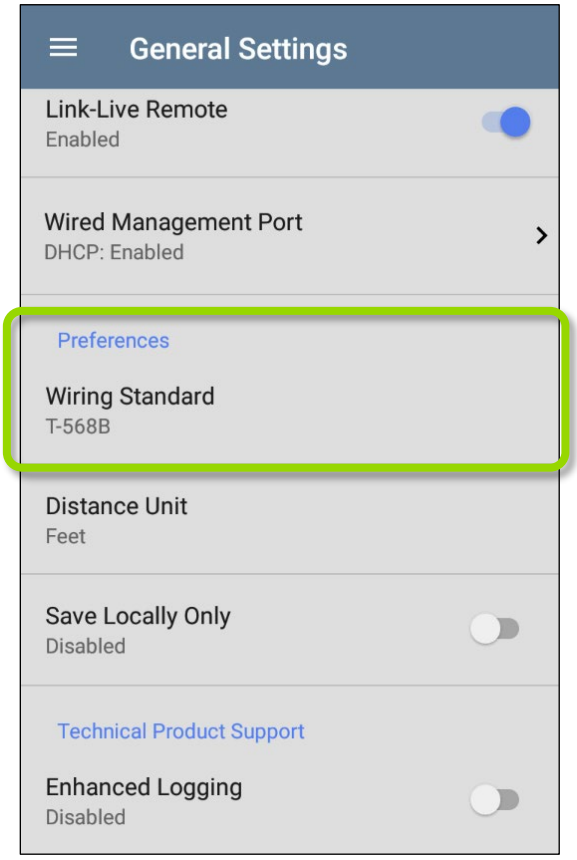
Simplify packet analysis by focusing on the type of traffic you want to look at. The Capture App now allows users to specify a Protocol filter, **TCP** or **UDP**, or leave the default of **Disabled** to capture both protocols. The selected Protocol displays on the Capture results screen.





Support for Switching Between T-568A and T-569B Wiring Colors

The new **Wiring Standard** setting (under General Settings) controls the wiring colors shown in the Cable Test and Switch Test apps. Select the wiring standard in use, T-568A or T-568B, to display the appropriate cable colors.



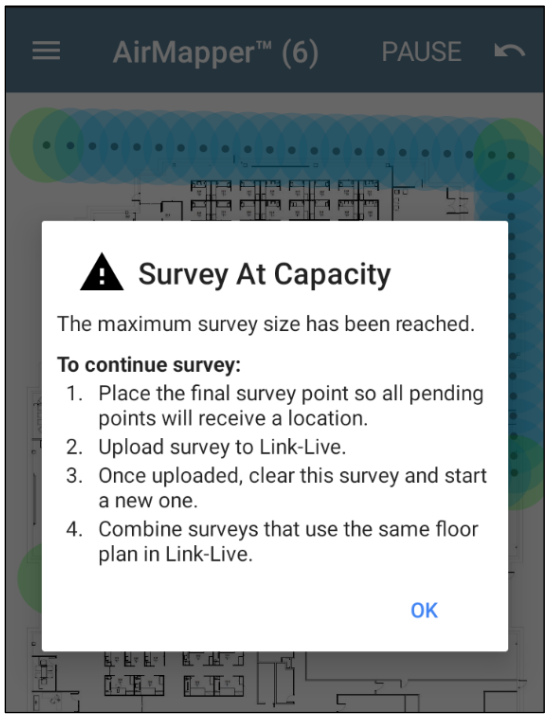
AirMapper Updates

EtherScope nXG, AirCheck G3, CyberScope, CyberScope Air

Site Survey Enhancements

AirMapper surveys are now more robust—memory usage is more efficient and longer Wi-Fi and Bluetooth site surveys are supported.

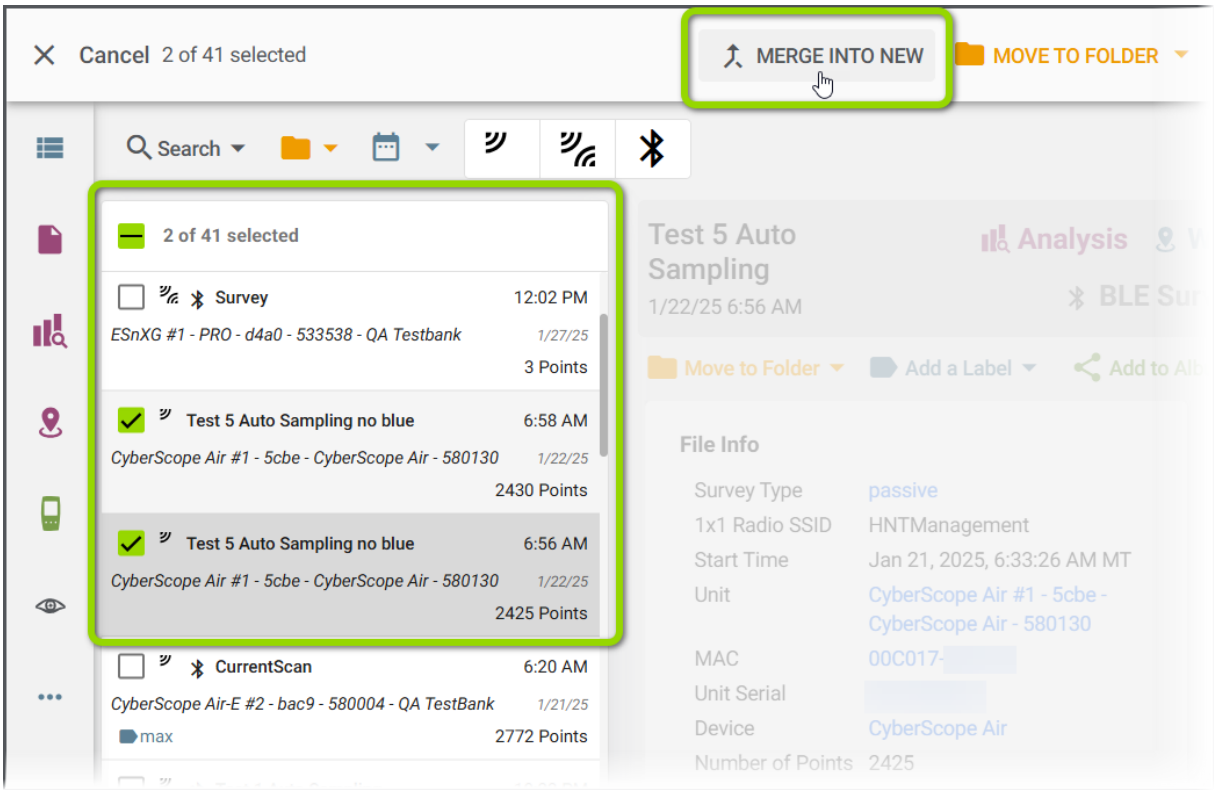
To prevent data loss, new pop-up dialogs warn users when the available internal memory for surveys is running low and when the survey has reached memory capacity.



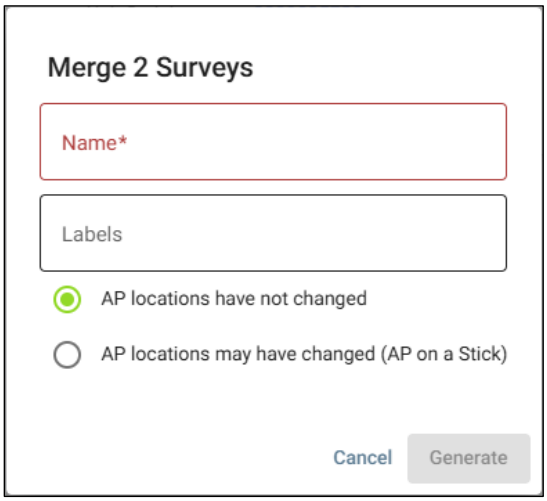
Follow the directions in the pop-up to wrap up your survey file and upload it to Link-Live.

To combine Survey files in Link-Live:

1. Select the checkbox next to each survey you want merged.



2. Click the **MERGE INTO NEW** button at the top of the screen.
3. Enter a name for the merged survey.
4. Ensure the **AP Locations have not changed** option is selected for this case.



5. Click the **Generate** button.

Wi-Fi Analysis Snapshot Upload

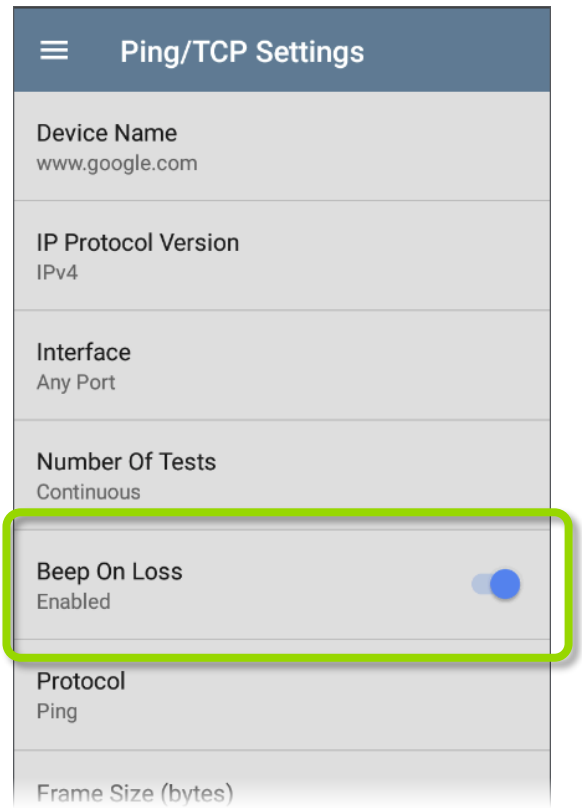
The more data you can collect in a single walkthrough, the better. After all, knowledge is power! Starting with this release, when a user saves AirMapper files to Link-Live, your tester will also upload Discovery and Wi-Fi Analysis files to assist with data analysis.

Other Enhancements

All AllyWare Products

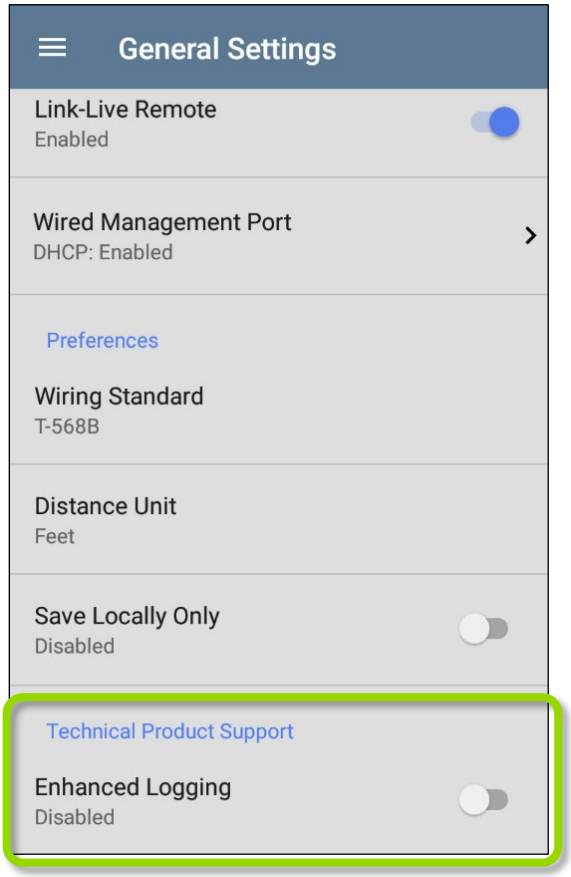
Ping/TCP Test Beep on Packet Loss

This setting enables or disables an audible beep sound when packet loss is detected during Ping/TCP testing. The beep will sound even if the Ping/TCP app is not currently displayed.



Enhanced Logging Levels

This setting allows your device to gather advanced logging details that NetAlly's customer support team can use when troubleshooting problems with your tester. Only enable this setting if you are directed to by our team.



Remote Lock Screen Control

When remotely controlling a NetAlly tester that has lock screen settings enabled on its system, you can lock and unlock the screen on the tester using the F1 and F2 keys on a keyboard.

- Move the mouse into the remote tester window on a PC and press **F1** to lock.
- When the lock screen is displayed, move the mouse into the window and press **F2** to unlock.

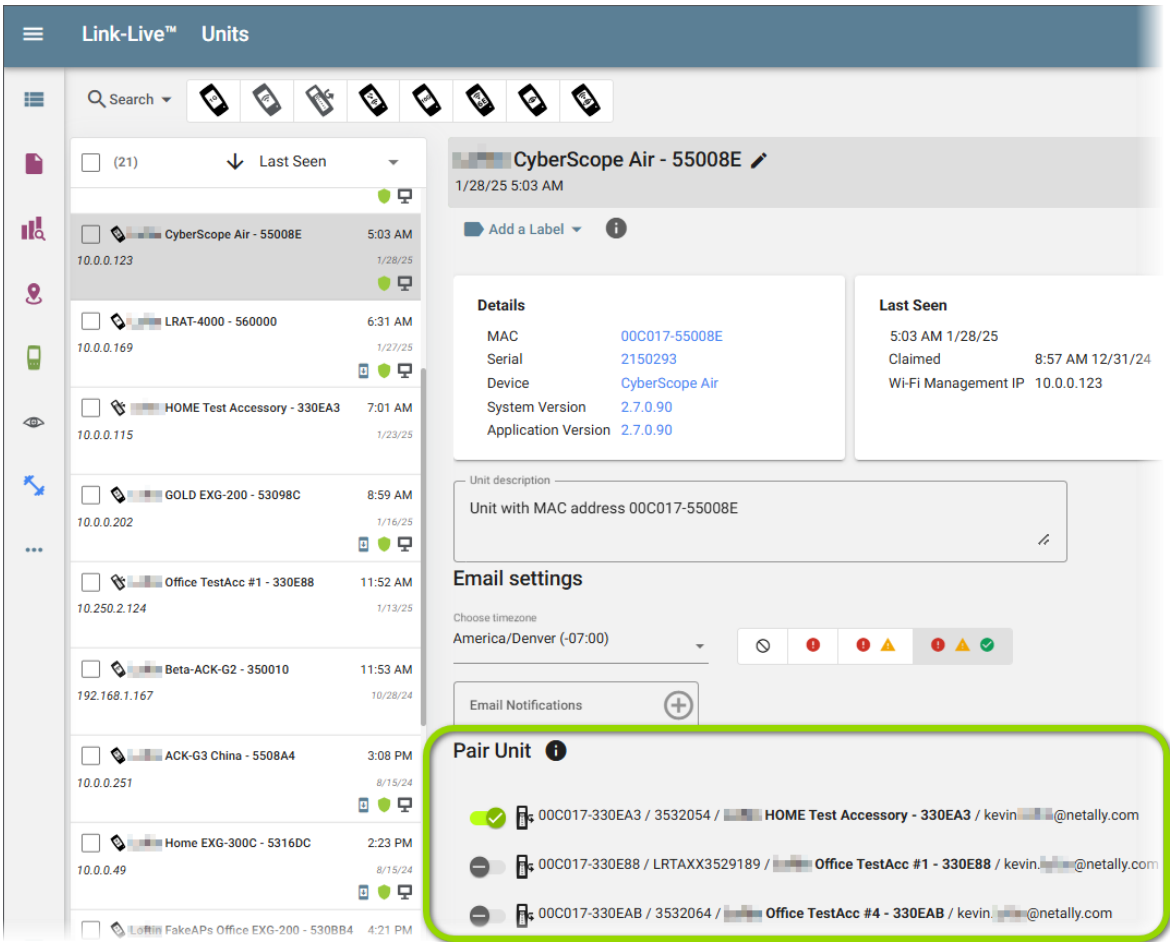
CyberScope Air

Ability to Pair with LinkSprinter and Test Accessory in Link-Live

Pairing a CyberScope Air with a Test Accessory or LinkSprinter allows wired test results to be displayed along with Wi-Fi results in Link-Live.com.

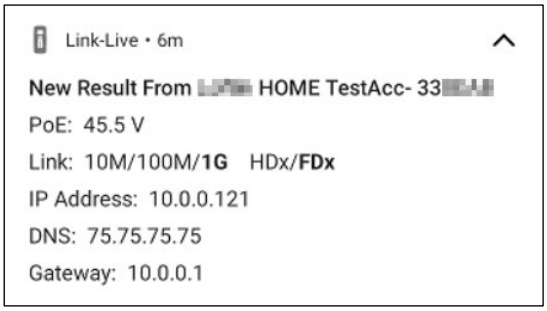
To pair a CyberScope with a LinkSprinter or Test Accessory in Link-Live:

1. To pair in Link-Live.com, select the CyberScope Air you want to pair with a LinkSprinter or Test Accessory.
2. Select the unit you want to pair from the list under **Pair Unit**.



A notification icon  is shown in the top notification bar if a CyberScope Air is paired with one of these wired devices and test results from a LinkSprinter or Test Accessory are available.

When you run a test with the paired Test Accessory or LinkSprinter, a notification displays those wired test details on the CyberScope Air unit.

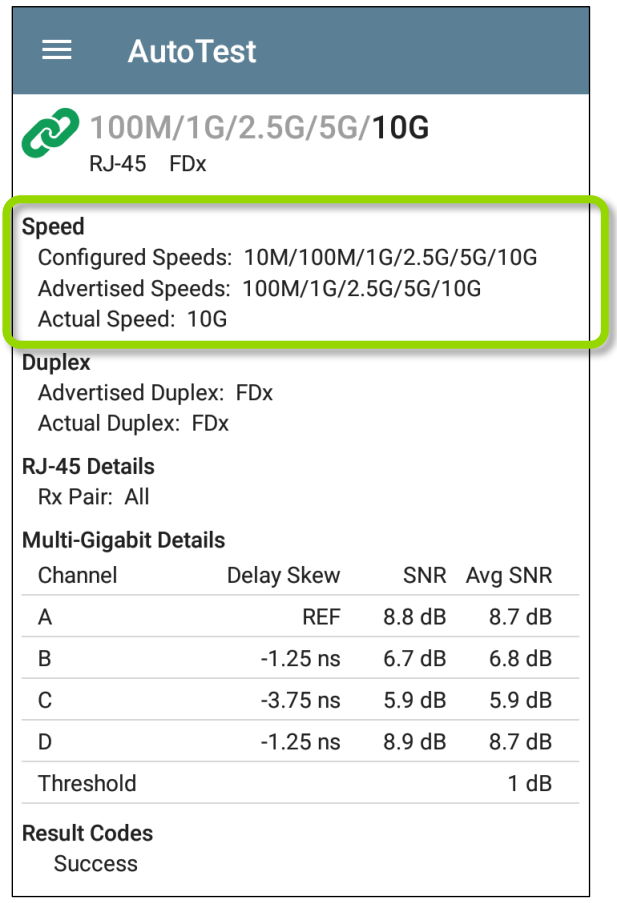


LinkRunner AT 3000 and 4000, LinkRunner 10G, EtherScope nXG, CyberScope

Configured Speeds on the Wired Link Test Results

A new **Configured Speeds** field in AutoTest Wired Link results displays the user-selected speed specified in the **Speed/Duplex** setting for Wired Connections. If Auto is selected for the Speed/Duplex setting, this field will display the speeds supported by your NetAlly tester.

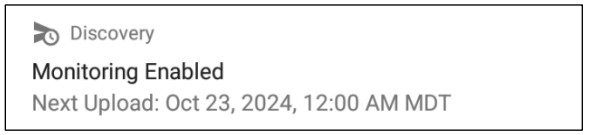
The example image below shows the LinkRunner 10G:



CyberScope and CyberScope Air

Touch Notification to Open Discovery Monitoring Settings

Users can now tap the Monitoring Enabled notification in their CyberScope to open the Discovery Monitoring Settings screen.



Version 2.7 Bug Fixes and Improvements

- #171797075 - Cable Test proceeds with the Shield measurement for cables that are only using two pairs (e.g. Industrial Ethernet).
- #188440699, 188418631 - Units can now correctly link to SFP ports that are hard set to 1000 Mbps.
- #188187124 - The LinkRunner AT 4000 Cable Test now shows the Cable ID when pin 6 is missing.
- #188538765 - AutoTest shows the expected nearest switch information for Evertz Microsystems brand switches.

Known Issues

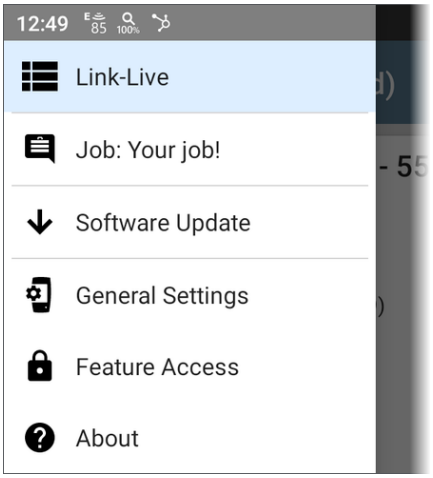
- #188628021 - Some testers may run a spontaneous AutoTest every 30 seconds when connected to a switch port configured to use a speed the unit can't link to.
- #183290956 – When uploading files to Link-Live, the share dialog may take several seconds to open.
- #188087176 - If a user manually uploads an analysis snapshot to Link-Live before Discovery progress reaches 100%, the Topology map will not show the expected connected lines.
- #187187086 - The TRENDnet AC1200 USB Wi-Fi adapter does not work on LinkRunner 10G.

Upgrading to Version 2.7

This software update is a key benefit of your AllyCare™ Premium Support Services contract. For more information about AllyCare benefits, see AllyCare Support · Customer Self-Service (netally.com).

If you have claimed your unit to Link-Live.com, we highly recommend following the Over the Air (OTA) Firmware Update procedure:

1. To check for available software updates at any time, open the **Link-Live** App from the Home screen.
2. In the Link-Live App, touch the menu icon or swipe right to open the left-side Navigation Drawer.



3. Touch **Software Update**. The Software Update screen opens and displays the version number of any available updates.
4. Touch **Download + Install** to update the System.

When finished, the tester will restart.

Thank you for your investment in NetAlly products!