



SignalTEK 10G

Software Release Notes



TREND NETWORKS

Depend On Us

Version 4.2.0
July 2023

New features:

- Added BASIC and ADVANCED operation modes:
 - Basic mode for quick access to cable qualification for new users that hides advanced setup and testing functions.
 - Advanced mode which has all testing and configuration options available.
- Added fiber length and attenuation loss measurement via SFP+/SFPs. Pass/Fail limits are automatically set by reading the SFP wavelength and speed to match IEEE Ethernet standards.
- Added ability to set 10Gb SFP modules to 1Gb speed for qualification and transmission testing. Eliminates need to carry both 1Gb and 10Gb fiber SFPs.
- Added Smart VLAN loop back function in the remote unit - No configuration is required for the VLAN test on IP network or transmission (bandwidth)
- Added user selectable test interface to toggle between the RJ45 and fiber SFP port in the remote handset by pressing the Fn button.
- Main handset now shows latest link info (Skew, SNR, Tx/Rx power, etc.) and battery status of the remote handset during any transmission test.
- Added support for 1G/10G copper SFPs.
- Ethernet port (RJ45) can detect the cable length and open/short faults without changing to the wiremap port.
- Increased PDF test report's test number to approximately 1500 tests (100 tests with each test containing 15 sub-tests) on the.
- PDF report can now be generated directly to a connected USB memory device.
- PDF Reports when copied to USB will reside under "SignalTEK Reports" directory. Any existing data in this directory will be preserved.
- Wi-Fi connection will now be dropped during PDF generation if needed to conserve RAM. If dropped, it will be restored after the PDF report is generated.
- Wi-Fi signal strength is now updated in real-time, shown in the top status bar.
- Improved PoE detection and classification with various PoE sources.

Bug Fixes:

- Fixed: Wiremap doesn't show distance-to-short for valid pair pins.
- Fixed: FS.COM WDM SFP 1310/1490 not recognised.
- Fixed: Top VLANs - max utilization shown is incorrect when multiple VLANs are detected.
- Fixed: PDF report - Japanese characters in customer details are not printed correctly in the report.
- Fixed: Wi-Fi - no internet connection on some networks configured with more than two DNS servers.
- Fixed: Sync upload issue with previously jobs previously uploaded job to another organization.



Known Limitations:

- 10Gb Copper SFP+ modules cannot be operated at 1Gb speed.
- During PDF generation, very rarely (due to memory limitation) user could be prompted to reboot the unit before completing.