



SignalTEK QT Series

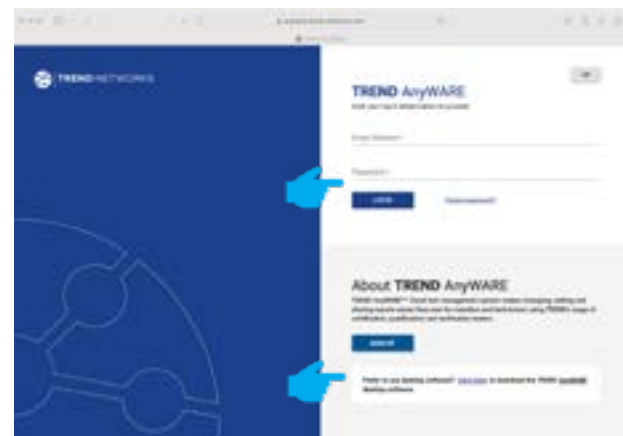
Quick Reference Guide



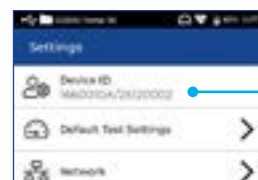
166804 Rev 1

Login/Sign Up to AnyWARE Cloud

 <https://anyware.trend-networks.com>



Open Settings to View Tester Device ID



Press settings icon and note the Device ID of the tester.

Link the Tester to Your Account

1. Click the  button, then click Devices.
2. Click the  button, then select SignalTEK QT or SignalTEK QT PRO from the Device pull-down menu.
3. Enter the Device ID from the tester Settings page then click SUBMIT.

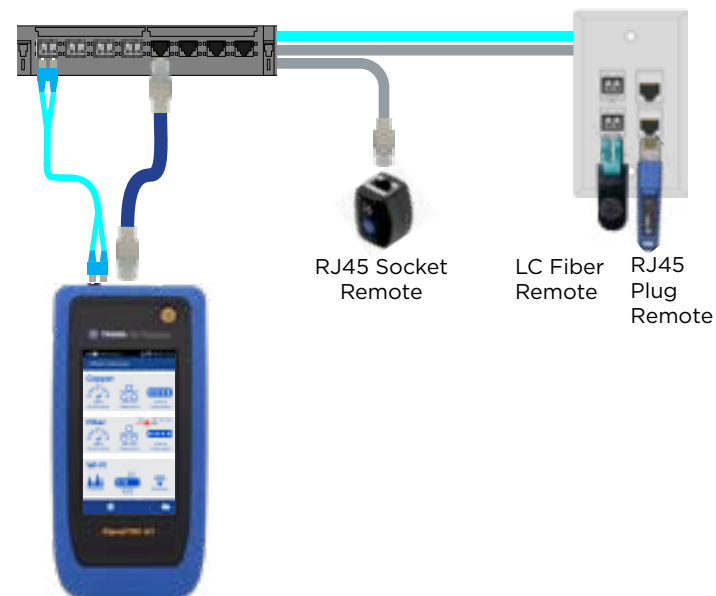
Note: The device ID does not include the letters "I" or "O". Characters that look like "I" or "O" are the numerals "1" or "0".



Qualifying Cables: Connections

Copper cables: connect the tester to each end of the cable to be tested. Plug and socket RJ45 remotes are provided for connection to outlets or plug-terminated cables.

Fiber cables (Pro Model): use the provided patch cords and loop-back plugs to connect to the fiber to be tested. Both LC and SC are provided. The tester will prompt to Set Reference when required. Follow the on-screen procedure to reference out the loop-back and patch cord.



Qualifying Cables: Tester Setup

Copper cables

1. Tap  in the Copper section of the home screen.
2. Tap  to configure the test settings.
3. Select the desired qualification speed, set the Shield Test to on or off, set wiremap color code and set cable NVP.
4. Tap  to confirm.



Fiber cables (Pro model)

1. Tap  in the Fiber section of the home screen.
2. Tap  to configure the test settings.
3. Select fiber type, desired qualification speed and set the refractive index.
4. Tap  to confirm.



Copper Qualification: Testing

Live Wiremap: The copper qualification screen displays wiremap status, length and remote ID of the connected cable without performing a test.

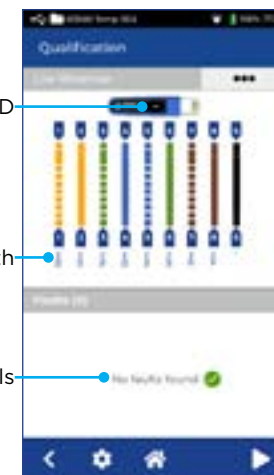
Tap  to change the wiremap color code.

Tap  to perform a qualification test.

Remote ID

Pair Length

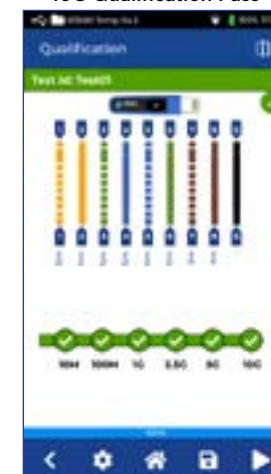
Fault Details



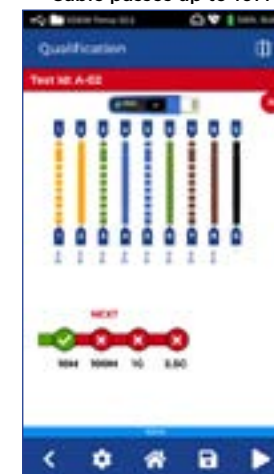
Qualification Results: The speed qualification results are shown with a range of speeds, with the desired speed at the right end of the range.

Passing speeds are displayed as a green check, failing speeds are displayed as a red X.

10G Qualification Pass

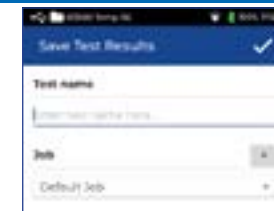


2.5G Qualification Fail Cable passes up to 10M



Copper Qualification: Save Test

Save Test: Tap  to save the test. Enter a test name and select a Job from the pull-down menu, or tap  to create a new job.



Fiber Qualification (Pro model): Calibration

Calibration: The fiber patch cord and loop-back plug must be calibrated before testing.

The tester will prompt when calibration is required before testing.

Tap  then Calibrate to perform calibration. Follow the on-screen prompts.

Calibration must be repeated if the patch cord is disconnected from the SFP module.

TREND Networks supplies high-stability SFP modules. Use on non-TREND SFP modules may result in inaccurate loss measurements.



Fiber Qualification (Pro model): Testing

Live power meter: Before testing, the live power meter displays the incoming power at the SFP.

The live power meter will display -40dBm when no incoming light is detected. The incoming power is displayed when the cable being tested is terminated with the loop-back plug.

Testing: Tap  to perform a qualification test.

Results:
Test ID: automatically increments the ID from previously saved test. Green bar indicates Pass, red bar indicates Fail.

Value column: measured power loss and cable length.

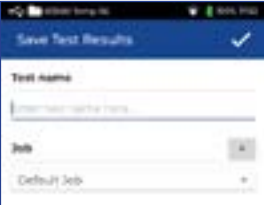
Limit column: allowed power loss and cable length for the selected speed and fiber type.

Margin column: the difference between the measured loss/length and allowed loss/length.



Fiber Qualification: Save Test

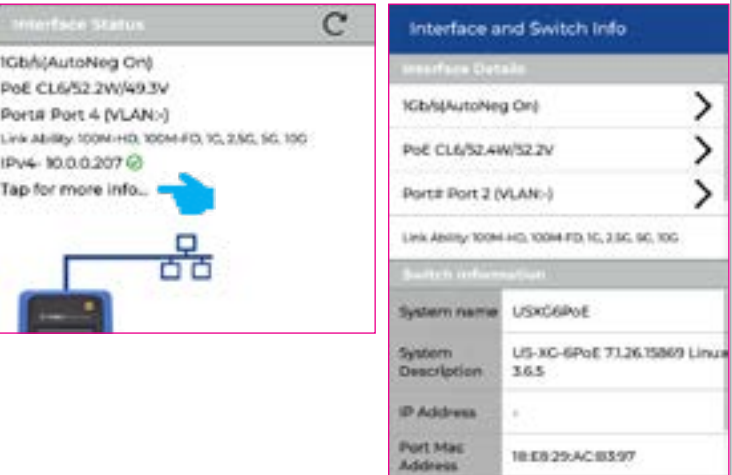
Save Test: Tap  to save the test. Enter a test name and select a Job from the pull-down menu, or tap  to create a new job.



Switch Information (Pro model)

Connect to live networks to check link speed, network/Internet connectivity, switch information and perform PoE tests on the RJ45 or optical test ports. Tap copper or fiber Switch Information icon and connect to the switch.

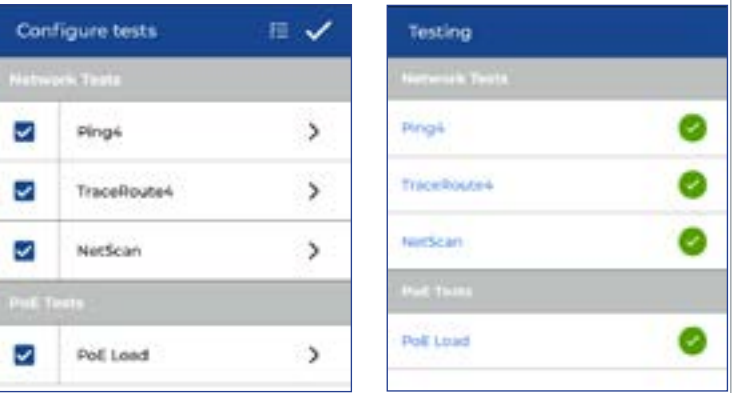
The interface summary displays basic link information connected to a copper or optical network. The tester will attempt to obtain an IP address via DHCP and ping google.com by default to test internet access. Tap the screen to view detailed information.



Network Diagnostics (Pro model)

Connect to live networks to perform Ping, Trace Route, NetScan and PoE tests on the RJ45 or optical test ports, and on Wi-Fi. Tap copper, fiber or Wi-Fi Network Diagnostics icon and connect to the switch or wireless network.

Tap  to select the tests to run and the settings for each test. Tick the box beside the sub-test(s) to run. Tap on the test name to view the results when the test is complete.



Wi-Fi Channels (Pro model)

Tap Channels on the home page to view a live scan of Wi-Fi channels. Tap v or 5GHz to change bands. Signal strength depends on whether the internal or external antenna is used. Go to Settings, Network, Wi-Fi to select internal/external antenna or USB Dongle for USB Wi-Fi adapters.

Access point channels are displayed with the number of APs above each channel bracket. The number is greater than 1 if multiple APs have similar signal strength.

The width of the bracket depends on the bandwidth setting of the AP. Overlapping channels with similar strength can decrease Wi-Fi performance.

Channel Utilization indicates how busy a channel is. Utilization above 75% indicates high network traffic and can lead to decreased performance.

Station Count indicates the number of Wi-Fi devices operating on each channel.



Wi-Fi Access Points (Pro model)

Each detected access point, its channel, signal strength and security status are shown in the list.

Channel numbers in red text indicate a multiple networks are on the same channel.

Tap  to filter 2.4GHz, 5GHz or both frequency bands.

Tap and hold on a network to Connect, Disconnect or Forget a network.

Tap on a connected network to view Wi-Fi details.

Tap  to see a history of signal strength and Tx/Rx data rate.



Working with Jobs

From the home screen tap  to open the Jobs list.

- Tap  to create a new job.
- Tap on a job to view saved tests.
- Tap and hold a job or test result to open options such delete, edit or clear sync status.
- Tap  to filter the test list by pass/fail/untested, test type, name or job identifier.

The clear sync status option marks the job or test result as not sync'd which allows it to sync again if needed.



AnyWARE Cloud Sync

Sync the tester to AnyWARE Cloud to download projects to the tester and upload completed tests to the cloud. The tester can sync via Wi-Fi or the RJ45 management port on right side of the tester.

From the Jobs screen tap  to open the Sync screen.

Download
All Jobs: Downloads all active SignalTEK QT jobs to the tester.

Selected Jobs: Displays a list of active SignalTEK QT jobs that can be downloaded to the tester.

Upload
All Jobs: Uploads completed tests from all jobs to the cloud.

Selected Jobs: Displays a list of jobs with completed tests that can be uploaded to the cloud.

