



LANTEK IV-S

THE FUTURE OF CABLE
CERTIFICATION

QUICK REFERENCE GUIDE



TREND NETWORKS

Depend On Us

LanTEK IV-S

Quick Reference Guide

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English

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中文

INTRODUCTION

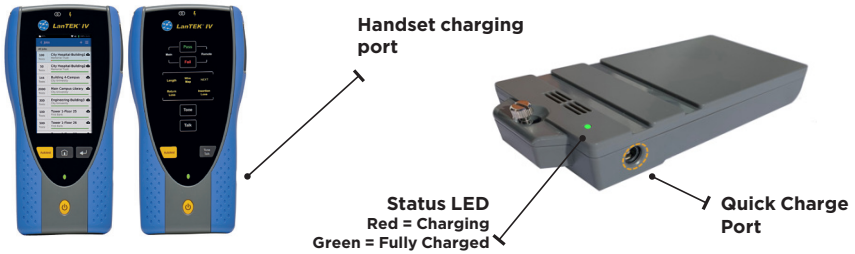
The LanTEK IV-S and TREND AnyWARE are a Cable Certification System. This guide will give you an overview of the key features of LanTEK IV-S and how to start using AnyWARE to manage your project and test results.

EN

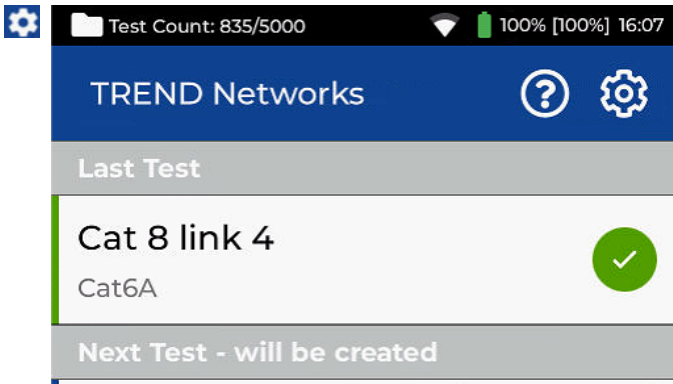
GETTING STARTED

Before you start using your LanTEK IV-S follow the steps below to ensure you can take advantage of all the features your LanTEK IV-S has to offer.

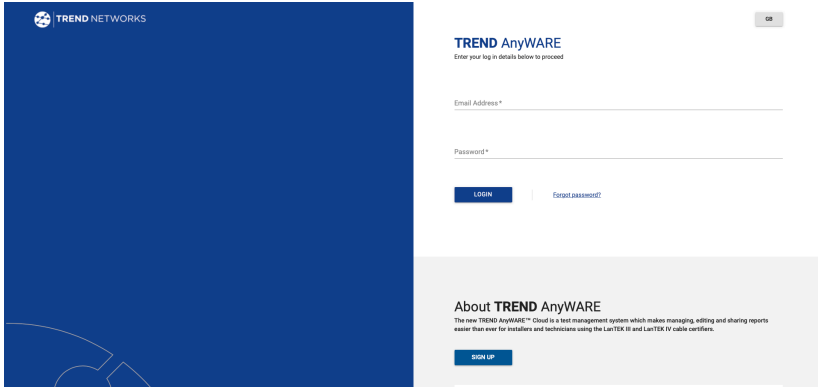
1. Fully charge the display and remote units using the power supply included in your case. This can be connected to the main charging port on the LanTEK IV-S or the quick charge port on the battery. The quick charge port reduces the charging time by 50%. To access the quick charge port the battery must first be removed by releasing the retaining screw.



2. Select the language by selecting the setup gear at the top left of the screen.



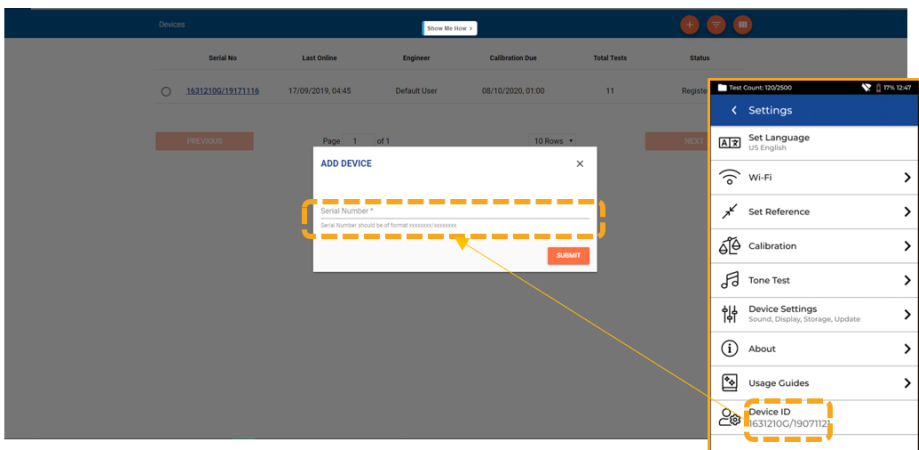
3. Visit anyware.trend-networks.net to setup your free TREND AnyWARE account to Manage, Share, Edit and Pre-configure your projects. Select; sign up for cloud based software or download for the desktop version.



EN

4. Link your LanTEK IV-S to your TREND AnyWARE Account by logging into your TREND AnyWARE account.

- Select Menu: Click Devices: Devices Add Device:
- Enter your Device ID and select submit. The LanTEK IV-S device ID is found in the settings menu (below).



HELP OPTIONS

LanTEK IV-S and AnyWARE cloud have a comprehensive on-board help which will guide you through how to use the features. This can be accessed as follows;

EN

Help on the LanTEK IV-S



Icon on the Menu Bar



Or click Settings - Usage

Guides: Usage Guides >

Help on the AnyWARE Cloud

AnyWARE Cloud assistance can be accessed by the Walk Me Through tab located on the bottom right-hand side.

Walk Me Through ^

Annotations for LanTEK IV-S Jobs screen:

- Return to home screen (points to back arrow)
- Create new job (points to plus icon)
- Multiple job select (points to list icon)
- Sort jobs by date (points to calendar icon)
- Sort jobs by name (points to sort icon)
- List of all jobs saved to your LanTEK IV-S (points to job list)
- Long press job for short cut options (points to job row)
- Total number of tests within each project (points to test count)

Tests	Project Name
15	Library
500	Hospital Bldg 2
75	Hospital Bldg 1
113	Tower 1-Floor 19
89	Tower 1-Floor 20
12	Store 328
19	Store 329

View tests
Clear sync status
Edit
Set as current
Delete

Annotations for AnyWARE Cloud Jobs screen:

- Checkmarks for selection
- Delete button at the bottom

Selection	Tests	Project Name
<input checked="" type="checkbox"/>	15	Library
<input checked="" type="checkbox"/>	500	Hospital Bldg 2
<input checked="" type="checkbox"/>	75	Hospital Bldg 1
<input type="checkbox"/>	113	Tower 1-Floor 19
<input checked="" type="checkbox"/>	89	Tower 1-Floor 20
<input checked="" type="checkbox"/>	12	Store 328
<input checked="" type="checkbox"/>	19	Store 329

Delete

KEY FUNCTIONS

LanTEK IV-S

High Voltage Warning
Disconnect cable immediately

Status Connection
Blue when both units are connected

EN



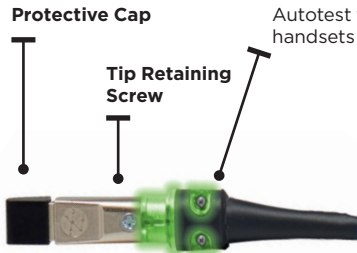
VisiLINQ™

VisiLINQ™ incorporates a multi-color LED indicator and action button to initiate tests and report the status independent of the tester handsets.

Action button;
Press to activate white torch when not linked.
Press to initiate Autotest when handsets are linked



Field Replaceable Tip

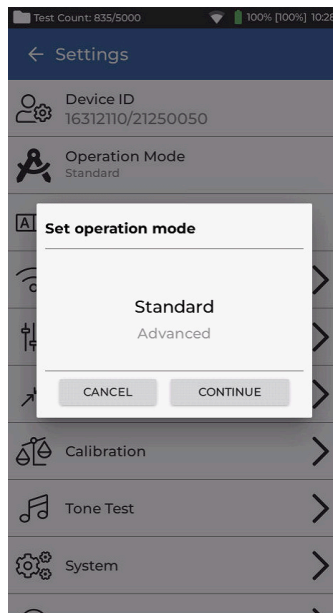
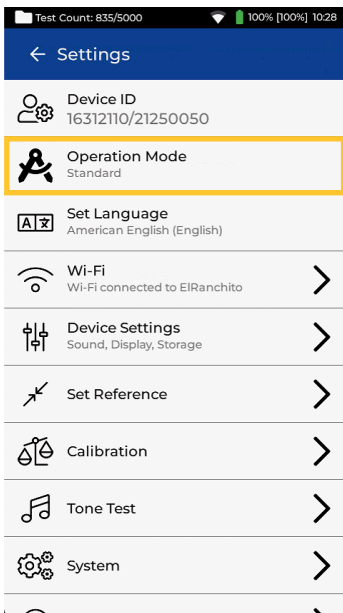
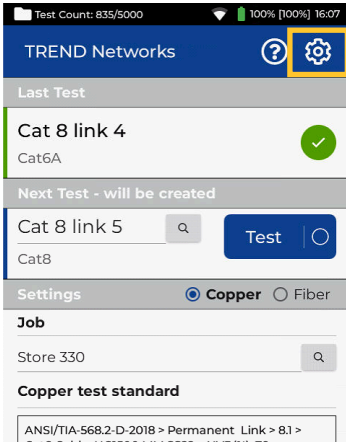


LED Indicator
Blue = Display and Remote connected
Green = Pass
Red = Fail
Amber = Marginal Pass/Fail
White = Torch mode

HOME SCREEN

The LanTEK IV-S home screen has been designed to display the details of the current project in either Standard mode or Advanced mode. Press the Settings button to change the Operation mode between Standard or Advanced. Standard is the default mode.

EN Setting the Operating Mode



HOME SCREEN (Standard)

The Standard mode displays all of the settings needed to perform a test on a single screen and is used when sequential test IDs are used, or each ID needs to be manually entered.

The screenshot shows the TREND Networks app interface with the following sections and annotations:

- Test Count:** 835/5000 (top status bar)
- Signal/Status:** 100% [100%] 16:07 (top status bar)
- App Header:** TREND Networks with help (?) and settings (gear) icons.
- Last Test Section:**
 - ID of last run test:** Cat 8 link 4
 - Standard of last run test:** Cat6A
 - Status of last run test:** Indicated by a green checkmark icon.
 - Action:** Press to view result (indicated by a line pointing to the checkmark).
- Next Test Section:**
 - ID of next test to be run:** Cat 8 link 5
 - Current test standard:** Cat8
 - Action:** Add range of test IDs and view list of untested IDs (indicated by a line pointing to the 'Test' button).
- Settings Section:**
 - Settings:** Copper (selected) or Fiber
 - Job:** Store 330
 - Action:** Press to select/add new job folders (indicated by a line pointing to the search icon).
 - Copper test standard:** ANSI/TIA-568.2-D-2018 > Permanent Link > 8.1 > Cat8 Cable: UC1500 MM SS22 > NVP(%): 79
 - Action:** Active test configuration, tap box to edit (indicated by a line pointing to the standard box).
- Operator Section:**
 - Name of current operator that is attached to the test result:** John
 - Action:** Tap to select/add new operator name (indicated by a line pointing to the search icon).
- Bottom Navigation:** JOBS and SYNC buttons.

HOME SCREEN (Advanced Mode)

The Advanced mode is used primarily when a pre-defined list of test ID's has been created in the LanTEK or downloaded from AnyWARE Cloud.

EN

Test Count is the number of tests saved/ total memory capacity

Settings and Help

Active job name, total number of tests and progress bar
 Red = Fail
 Green = Pass
 Grey = Untested

Last test completed

List of tests in the current job:
 Green = Pass
 Red = Fail
 Amber = Marginal
 Tap to view test results

Test list display options

Start test

Long press to access test options:

JOBS menu displays all jobs stored on the tester

SYNC to upload/download tests to AnyWARE Cloud or export to USB drive

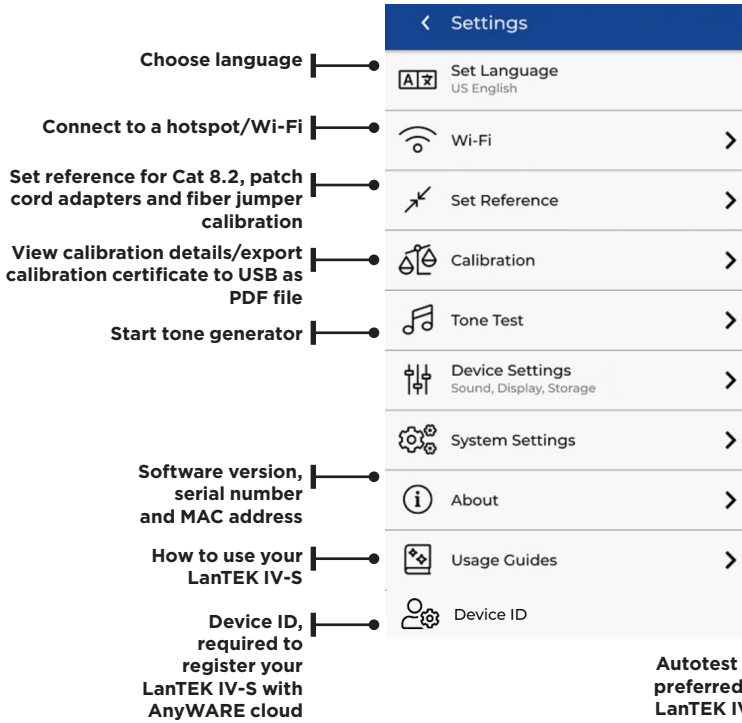
Tap to view test results

Legend:
 Yellow square = Next test execute when VisILINQ action/ Autotest button pressed

	End	Margin dB	Freq MHz	
WIREFMAP	-	-	-	✓
NEXT	📶	5.5	500	✓
RL	📶	12.0	11.6	✓
IL	📶	2.9	1.0	✓
PSNEXT	📶	6.5	499	✓

SETTINGS

The settings can be accessed from the settings menu on the home screen.



Choose language | **Set Language** (US English)

Connect to a hotspot/Wi-Fi | **Wi-Fi**

Set reference for Cat 8.2, patch cord adapters and fiber jumper calibration | **Set Reference**

View calibration details/export calibration certificate to USB as PDF file | **Calibration**

Start tone generator | **Tone Test**

Software version, serial number and MAC address | **Device Settings** (Sound, Display, Storage)

How to use your LanTEK IV-S | **System Settings**

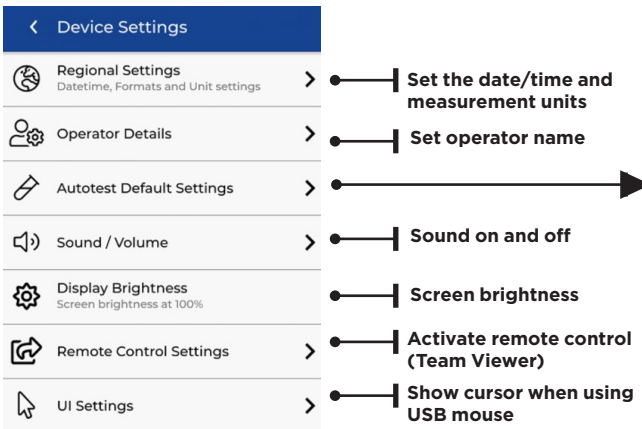
Device ID, required to register your LanTEK IV-S with AnyWARE cloud | **About**

Device ID, required to register your LanTEK IV-S with AnyWARE cloud | **Usage Guides**

Device ID, required to register your LanTEK IV-S with AnyWARE cloud | **Device ID**

EN

Autotest settings are your preferred set-up for a Job. LanTEK IV-S will use these settings as default for all new jobs to reduce set-up time



Regional Settings (Datetime, Formats and Unit settings) | **Set the date/time and measurement units**

Operator Details | **Set operator name**

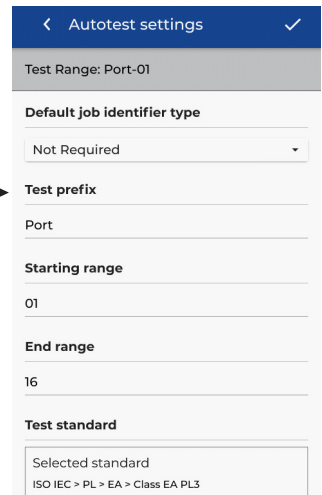
Autotest Default Settings | **Autotest Default Settings**

Sound / Volume | **Sound on and off**

Display Brightness (Screen brightness at 100%) | **Screen brightness**

Remote Control Settings | **Activate remote control (Team Viewer)**

UI Settings | **Show cursor when using USB mouse**



Autotest settings

Test Range: Port-01

Default job identifier type

Not Required

Test prefix

Port

Starting range

01


End range

16

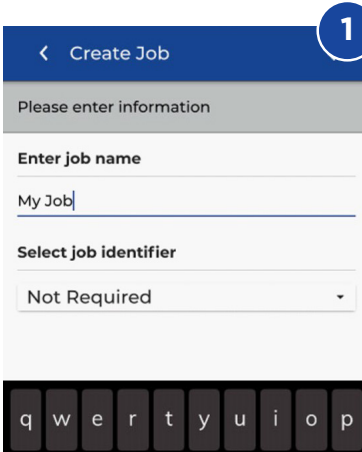
Test standard

Selected standard
ISO IEC > PL > EA > Class EA PL3

CREATING A JOB

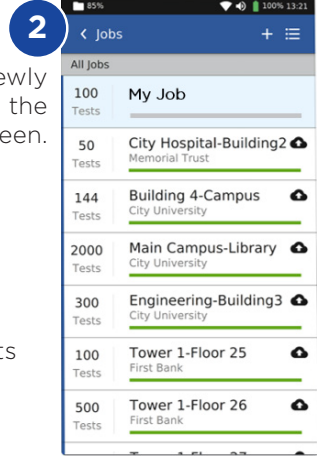
To create a job, select JOBS from the menu bar and then select: 

EN



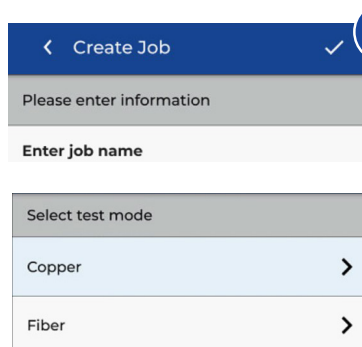
1

Enter job name and if required, select the job identifiers (optional). This will allow tests to be grouped specifically by building, floor, etc. Select ✓ when complete.



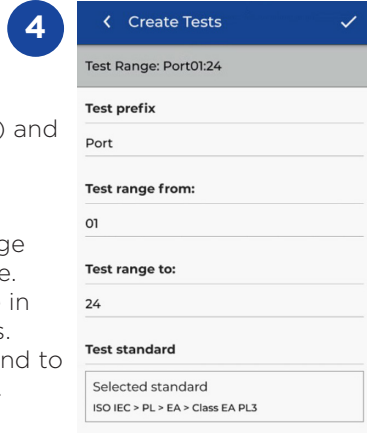
2

Select the newly created job from the jobs screen.



3

Select + to add tests to the job, then choose Copper or Fiber



4

In Create Tests, enter the prefix (optional) and the test range.

Test Ranges

Enter an alpha-numeric value in Test Range from: that is the first test ID of a sequence. Then enter the last value of the sequence in Test range to: generate the list of test ID's. A red warning will be shown if the from and to ranges cannot create a continuous series.

CREATING A JOB

< Create Tests ✓

Test Range: Port01:24

Test prefix

Port

Test range from:

01

Test range to:

24

Test standard

Selected standard
ISO IEC > PL > EA > Class EA PL3

5 Select standard

< Cable Standard ✓

Select a group

TIA

ISO IEC

Cenelec

Custom

AS NZ 3080

China

Japan

Korea

6 Choose the appropriate standard

< Cable Standard ✓

< ISO IEC Standard

< PL Link model

< EA Grade

< Class EA PL3 Cable type

Cable details

Cable
Cat6a-STP

Connector brand (Near)
Generic

Connector brand (Far)
Generic

7 Choose type of link

Cable details

Cable
Cat6a-STP

Connector brand (Near)
Generic

Connector brand (Far)
Generic

NVP Cable shielded

0.75

8 Optional Step, During the set-up the Cable and Connector manufacture can be selected to add more detail to the finished report

< Pick a brand

Select Manufacturer

3M >

BKS >

Belden >

BlackBox >

Commscope >

Connectix >

DRAKA >

Datwyler >

Datwyler Uninet >

< Create Tests ✓

Test Range: Port01:24

Test prefix

Port

Test range from:

01

Test range to:


24

Test standard

Selected standard
ISO IEC > PL > EA > Class EA PL3

9 Select ✓ when completed

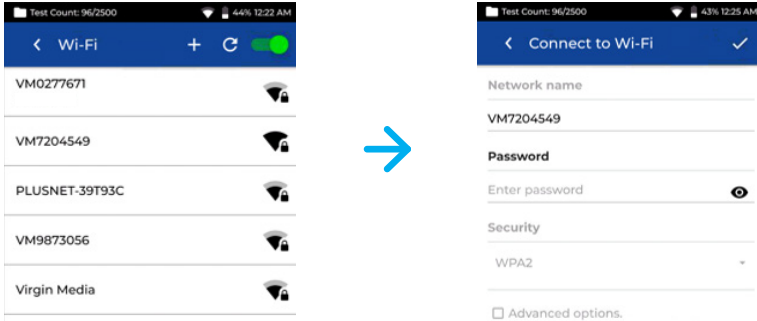
CONNECTING TO WI-FI

To connect LanTEK IV-S to Wi-Fi, firstly select the Settings menu 


EN

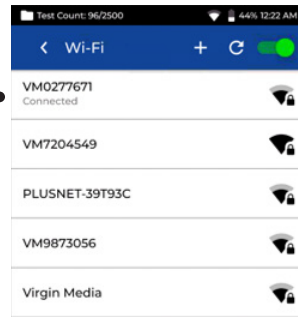


Select Wi-Fi from the Settings menu and switch toggle to turn on Wi-Fi.



Select your chosen Network and enter password (if required).

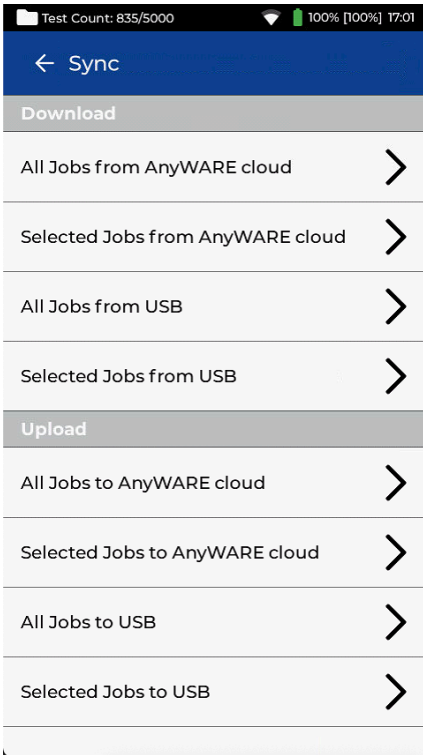
Wi-Fi successfully connected 



SYNCHRONISING

Selecting SYNC will allow you to download pre-configured jobs or upload completed jobs to the cloud. If you are using the TREND AnyWARE desktop SYNC will also allow you to download results to USB. To SYNC your LanTEK IV-S:

Select SYNC



Download all new jobs from the cloud

Display a list of jobs and select the job(s) to be downloaded from the cloud

Download all new jobs from a USB drive

Display a list of jobs and select the job(s) to be downloaded from a USB drive

Upload all jobs to the cloud

Display a list of jobs and select the job(s) to be uploaded to the cloud

Upload all new jobs to a USB drive

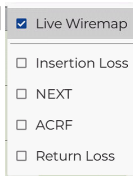
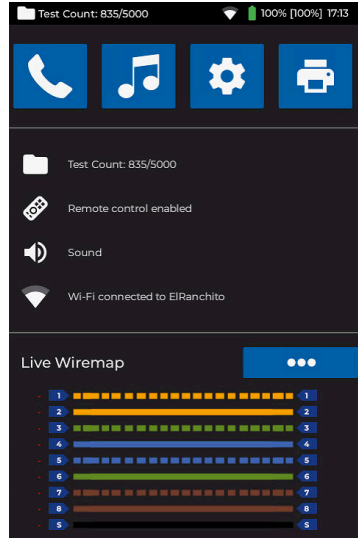
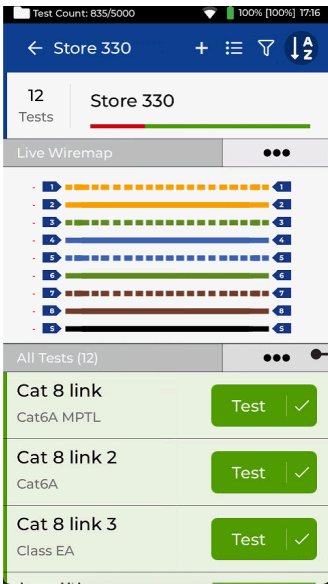
Display a list of jobs and select the job(s) to be uploaded to a USB drive

LIVE WIREMAP

Live Wiremap allows an instant, constantly updating Wiremap view for connected links without the need to perform an Auto test. Live Wiremap can be used in two ways. In an active job or free mode which does not require a project to be set-up.

EN

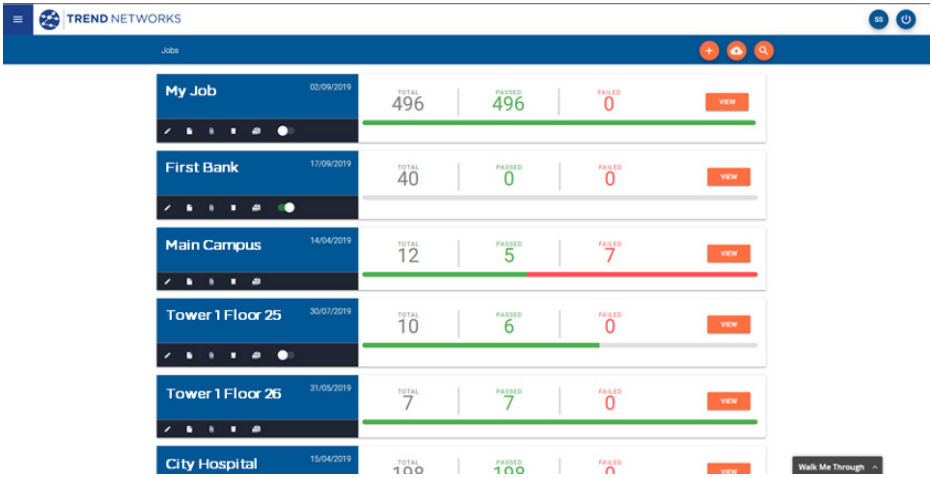
To activate Live Wiremap in free mode. Swipe down from the top of the screen.



Activate Live Wiremap in a job select the test list options menu.

CREATING A TEST REPORT

Jobs can be reviewed and edited using TREND AnyWARE Cloud or Desktop, Jobs synced via Wi-Fi will automatically be added to jobs menu of the cloud.



Key:



Upload jobs from USB using the Cloud and Desktop Swipe down from the top of the screen



View, download and email PDF reports



Download report



Generate a PDF test report



Share the report via an email link where the recipient can view and save the report

Name	Type	Status	Customer Name	Total Tests	File Size	Created At
My Job	Brief	Completed	Radio Controls LTD	25	8968KB	15/10/2019, 09:22
Main Campus	Brief	Completed	Amazon	25	8971KB	15/10/2019, 09:21
First Bank	Brief	Completed	Amazon	25	8971KB	15/10/2019, 09:20



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