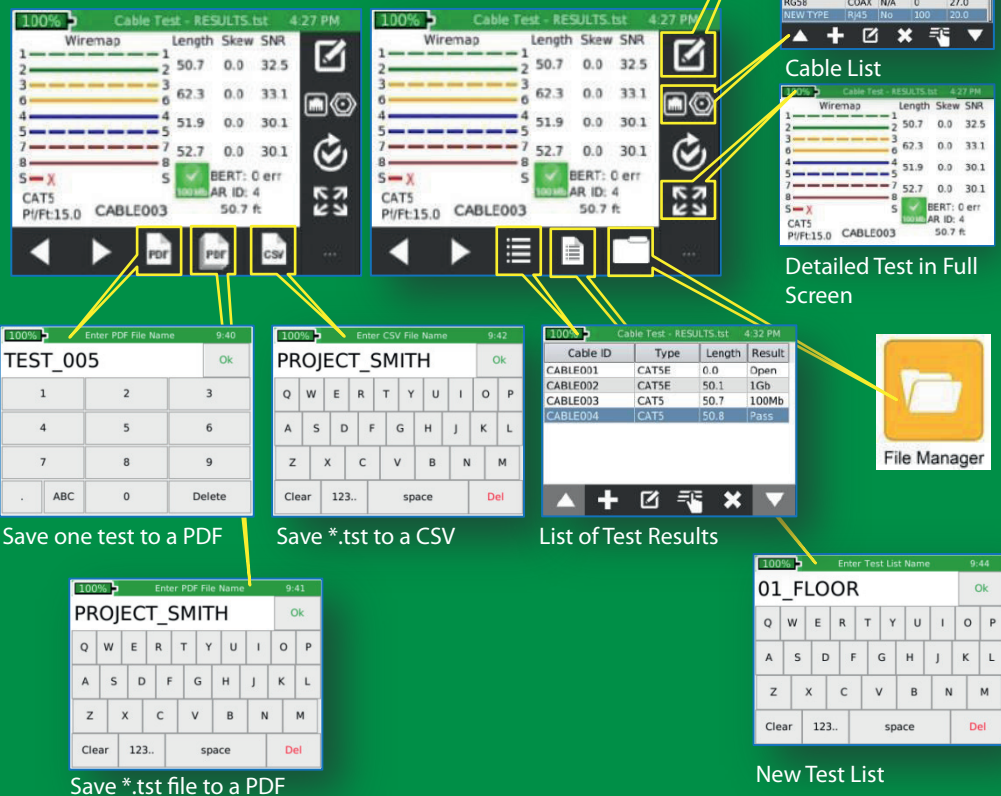


# Cable Test

The NetXpert 1400 IE performs a wire map test, measures cable length using capacitance and TDR, and speed certifies cables up to 1 Gigabit Ethernet.



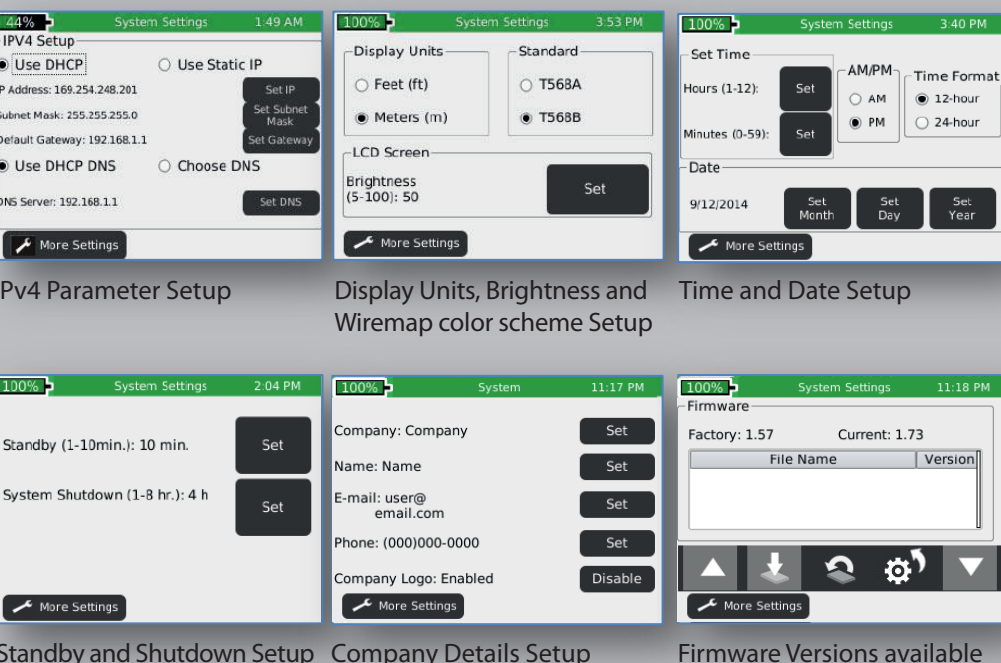
# Link Test

The Link Test menu displays Ethernet port services provided by an active switch, router, or NIC.



# Network Test

The Network Test menu provides advanced network tests to discover, verify and troubleshoot the network.



# System Settings

The NetXpert 1400 IE Setup consists of 7 screens to configure the unit to the user's preference. Use the Settings button  to navigate through the settings screens.

- The image displays the NetXpert handheld device, a ruggedized handheld computer used for network testing. The device has a black screen showing the 'NetXpert' logo and several function buttons at the top. Surrounding the device are various icons and their corresponding functions, organized into columns on the left and right sides of the device.

**Left Column Icons:**

  - Cable Test Menu
  - Link Test Menu
  - Network Test Menu
  - File Manager Menu
  - System Settings Menu
  - Cable Type
  - Add
  - Edit
  - Edit Index
  - Delete
  - Select
  - Page Up
  - Page Down
  - Previous
  - Next
  - List
  - File Manager
  - New File

**Right Column Icons:**

  - Save \*.tst file as CSV
  - Ping Test
  - DHCP request
  - Trace route
  - Tone Test
  - Blink Link Light
  - PoE Test
  - Setup IP Addresses
  - LLDP/CDP Screen
  - VLAN
  - Clear Screen
  - SD Card Internal Memory View Toggle
  - Copy to SD Card
  - File Open
  - Delete File
  - Copy to Internal Memory

**Bottom Row Icons:**

  - Save
  - Cancel
  - More Options
  - Full Screen
  - Retest
  - Reload Factory Software
  - Restore Defaults
  - Save one Test to a PDF
  - Save \*.tst file to a PDF

# File Manager

The File Manager contains saved PDF, CSV, and TST test files. In this menu, they can be renamed, deleted, or transferred between internal, external memory, and PC/Tablet.

## Icons

The NetXpert 1400 IE includes a comprehensive set of features for testing active network capabilities: measure Power over Ethernet (PoE) to ensure the correct power is available on the correct pins, use Port Discovery to ensure the correct speed and duplex capability are available; connect at Gigabit Ethernet and run Ping tests to verify connectivity to IP hosts; discover network devices using Cisco Discovery Protocol (CDP) or Link Layer Discovery Protocol (LLDP); VLAN discovery; Trace Route function displays the path internet packets travel to reach a specified destination. The NetXpert 1400 IE also saves test reports and exports to PCs.

The NetXpert 1400 IE also provides continuity testing that detects opens, shorts, miswires, split pairs, reversals, and high-resistance faults while accurately measuring distance to faults and total cable length.

The NetXpert 1400 IE also provides continuity testing that detects opens, shorts, miswires, split pairs, reversals, and high-resistance faults while accurately measuring distance to faults and total cable length.



The NetXpert 1400 IE Ethernet Speed Certifier offers a complete solution to test copper cables. The NetXpert 1400 IE performs speed certification to test the data-carrying capabilities of electrical Ethernet network cable up to 1 Gb/s by testing for noise in the network, detecting faults in the cable wiring, and ensuring that cables are able to support the speed capabilities of active equipment.

To certify Ethernet speed performance of copper cable runs, the NetXpert 1400 IE handheld tester conducts Bit Error Rate (BER) tests by sending data packets down specified cable runs at defined data rates to check for errors at the maximum throughput of the link. The NetXpert 1400 IE also reports on signal quality that can impact high-speed data transmission by measuring signal to noise ratio (SNR). Skew measurements report on the signal time delay between pairs that can impact Ethernet data transmission.

The NetXpert 1400 IE also provides continuity testing that detects opens, shorts, miswires, split pairs, reversals, and high-resistance faults while accurately measuring distance to faults and total cable length.

# Quick Start Poster

## NetXpert 1400 IE

## Menu Structure

The menu structure of the NetXpert 1400 IE is divided in 5 sub menus containing various operating options



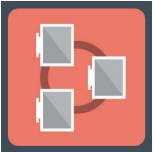
- System Settings**
- IPv4 Setup
  - Display Settings
  - Time and Date
  - Timeout Settings
  - User Information
  - Firmware Management
  - Firmware/Hardware Versions



- Cable Test**
- Test Options
  - Cable Type
  - Cable Test (TP/Coax)
  - Cable Faults
  - Saving/Managing Results



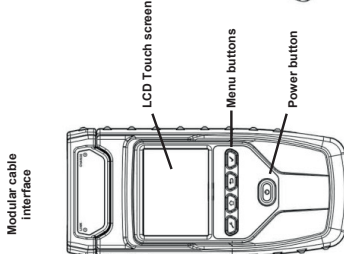
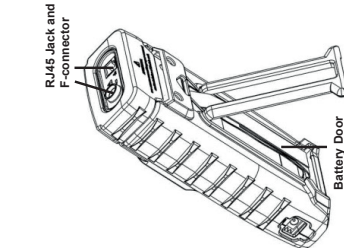
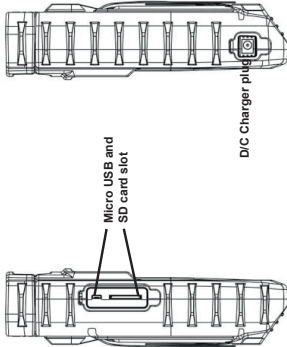
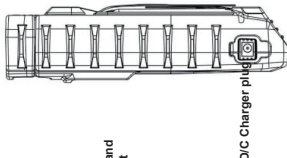
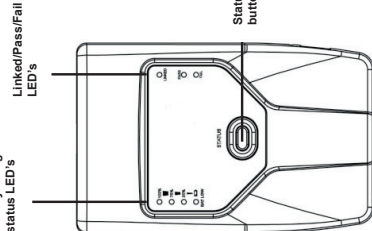
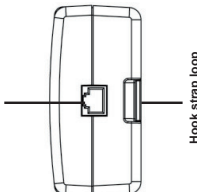
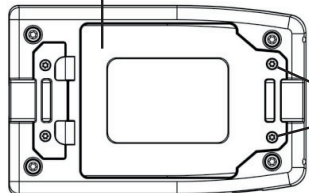
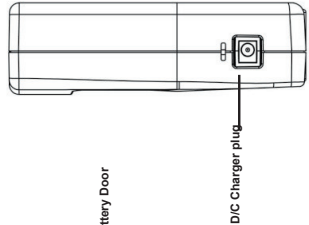
- Link Test**
- Port Discovery
  - PoE Test
  - Tone
  - Link Light



- Network Test**
- DHCP
  - Ping
  - Trace Route
  - VLAN
  - Discovery Protocols



- File Manager**
- Renaming
  - Deleting
  - Transferring



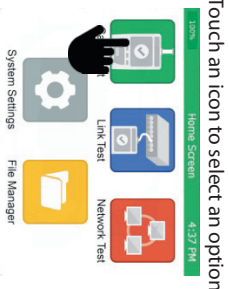
## Controls

### On/Off

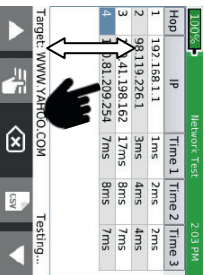
- Turn NetXpert 1400 IE on by pressing the Power button .
- Tap the Power button to put the NetXpert 1400 IE in sleep mode.
- Press and hold the Power button to power the unit off.

### Buttons and Touch Screen

The NetXpert 1400 IE features buttons and a full color capacitive touch screen to allow easy navigation.



Touch and drag a list to scroll up or down or touch the Up/Down arrows.



The NetXpert 1400 IE buttons assist with Navigation, starting and stopping a test.



**Settings** The Settings button will display the settings menu. Pressing the settings while in the settings menu will display additional menu screens.

**Home** The Home button will display the home screen from any menu.

**Back** The Back button will display the previous screen.

**Test** The Test button will start/stop a test.