



Cable Inspector Cable Tester Quick Start Guide

Combines the functions of a high-end cable tester and length measurement tester, with the capability to identify link status, link capability, and PoE detection.



Customer Support Information

Order toll-free in the U.S.: Call 877-877-BBOX (outside U.S. call 724-746-5500)
FREE technical support 24 hours a day, 7 days a week: Call 724-746-5500 or fax
724-746-0746 • Mailing address: Black Box Corporation, 1000 Park Drive, Lawrence,
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What's Included

- (1) Cable Inspector (test unit)
- (1) coax and network remote set (numbers 1 through 5 coax, RJ-45, (1) F-Type coupler)
- (1) network/tel testing and ID Remote (number 1)
- (2) RJ-12 cables
- (1) micro USB cable
- (1) carrying pouch
- This Quick Start Guide

Components on the CICT



How to Perform a Cable Test

How to Perform a Cable Test

- Power on the Cable Inspector Cable Tester (CICT).
- Connect a network, coax, or telephone cable to the appropriate connector on the top of the CICT.

WARNING: Do not plug an RJ-11 cable directly into the CICT! A standard RJ-11 cable will damage the CICT's RJ-45 jack. Use the included RJ adapter patch cable that is included with the CICT.

- Press the enter button to display the cable test menu. The CICT will automatically perform a test upon entering the cable test menu.
- To test coax or telephone cable, press the coax or telephone soft key   .
- If a remote is NOT being used (one-ended test), the CICT will test the length of each pair, opens, shorts, or split pairs. Performing a one-ended test will not verify connectivity on the opposite end of the cable.
- If a remote is being used, connect the remote to the opposite end of the cable.
- To calibrate the Velocity of Propagation (VOP), connect a known length of cable to the CICT and press the up/down/left/right buttons to increase or decrease the VOP. Press the left and right buttons to select and change the VOP one digit at a time.
- While adjusting the VOP, press the test button every so often until the length of the cable is displayed.
- Press the green test button  or the loop mode soft key  to perform additional tests.
- To save a cable test, press the save icon  .
- Use the arrow buttons and the enter button to name the cable test file.
- Press the Save icon  to save the cable test file.

Network/PoE Detection

Link Capability	Link Flow Control
10Base-T	Full / Half Duplex
100Base-TX	Full / Half Duplex

Connected at	PoE
100 Base-TX	A 12.95W Max
MDI FDX	57.9 V Min Load
	56.5 V Max Load

- Power on the CICT.
 - Connect the CICT to a switch or active network jack.
 - Use the left or right arrow buttons to select the Network/PoE icon and press the enter button or press the Network/PoE soft key.
 - The CICT will automatically detect and display link capability, connection speed, PoE class, and PoE min./max. voltages.
 - To perform a Network Test only, press the PoE soft key .
 - To save the PoE data, press the Save soft key .
- Use the arrow buttons and the enter button to name the PoE file.
- Press the Save soft key to save the PoE file.

Link Light

Link Light

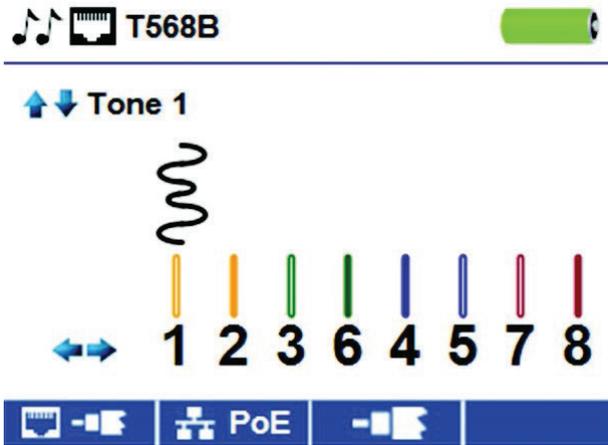


↑↓ **Frequency: 1.0 Hz**



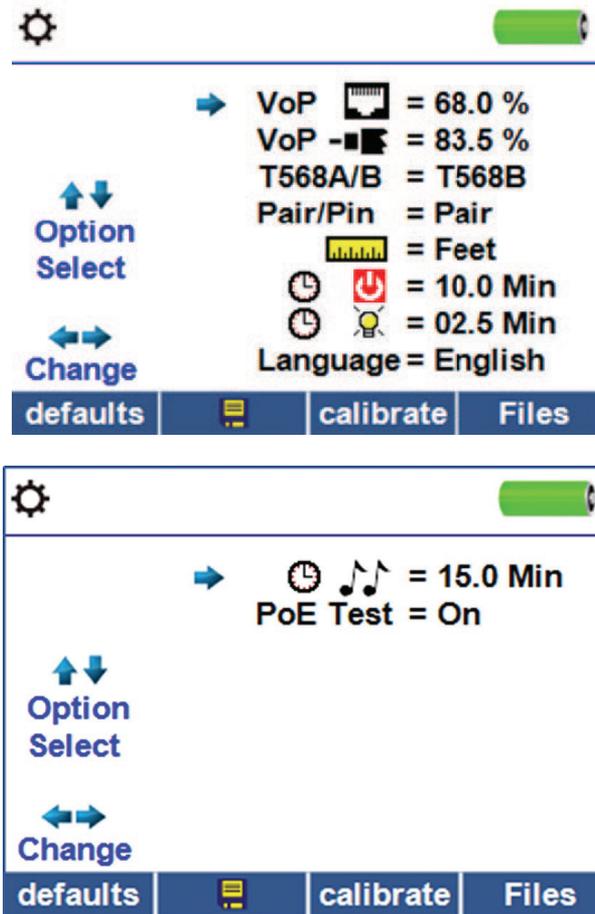
- Power on the CICT.
- Connect the CICT to an active Network cable or port.
- Press the Network/PoE soft key  then press the Link Light soft key .
- The Link Light will automatically blink upon entering the Link Blink menu.
- The Link LED above the LCD screen will flash at the same cadence as the port light.
- Use the up and down arrows to adjust the transmit frequency to suit the switch characteristics.

Tone Generator



- Power on the CICT.
- Use the left or right arrow buttons to select the tone generator icon  and press the enter button.
- The CICT will automatically activate the tone generator upon entering the tone generator menu.
- Connect your cable to either the RJ-45 jack or coax connector located on the top of the CICT.
- To switch between network and coax cables, press the coax cable/RJ-45 soft key , .
- Press the up or down arrow buttons to select tone cadences 1 thru 4.
- Press the left or right arrow buttons to select which pin or pair to place the tone.
- Use a tone probe (TS155-R3) alongside the cable or at the end of the cable to hear an audible tone.

Setup



- Press the Setup soft key to enter the setup menu.
- Use the up and down buttons to select a setting.
- Use the left and right arrow buttons to change the selected setting.
- Press the Save soft key to save changes.
- Press the Defaults soft key to reset the settings to factory settings.
- Press the Files soft key to view stored test results.

CICT Software Application

For instructions on downloading the CICT software application, contact Black Box Technical Support at 724-746-5500 or info@blackbox.com.

To download the user manual, visit the Black Box Web site and enter **CICT** in the search bar or go to ftp://ftp.blackbox.com/manuals/CICT_user.pdf.

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