TRIPLETT

CTX200 RJ45/Coax Cable Tester

USER MANUAL

Introduction

Congratulations on your purchase the CTX200 RJ45/Coax Cable Tester. The system consists of a Main Tester and a Remote Terminator and Preforms the following tests: Continuity, Open & Short Circuits, Wire Crossed (Reverse and Split) Tests CAT3, 5, 5e, 6, 6A, & 7 Ethernet Cables to TIA568 Specs • Tests COAX Cables • Locates Cables*

WARNING!!!

DO NOT USE ON LIVE CIRCUITS!!

****NOTE: <5V/20mA rating****

Features

- Tests and tones both RJ45-CAT5/6 and coax cables.
- Ruggedized for field use. Small and easy to carry.
- PASS/FAIL results appear in one second.
- Each pair's status is highlighted.
- Complete TIA568 test performed. Continuity, opens / shorts, reversals and split pairs.
- Auto-off (12 seconds) to conserve battery life.
- Low battery indicator.
- (1) 9V Battery and Pouch included.

Quick Start: Cable Testing

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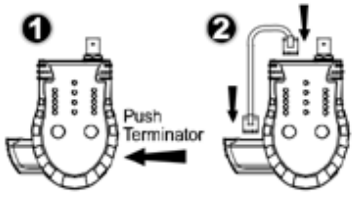
1. Push terminator out.
2. Connect LAN cable one end to RJ45 modular jack, one end to terminator.
3. Press **"ON/TEST"** to turn on.
4. Check status **"PASS"** or **"FAIL"**. Test is complete.



Ethernet cables have 4 pairs of wires (”twisted pairs”). It is important that the pairs correctly go to connector pins 1,2 ; 3,6 ; 4,5 ; and 7,8. The Pocket CAT tests for the proper pairing and if there is an error it will report it to you (”split pairs”)

Connecting cables to the Tester

Installed cables: Connect the Main unit to the wall jack, then connect the remote to the patch panel or far-end wall jack

Patch cables: Attach the Main unit and Remote directly to the cable ends.

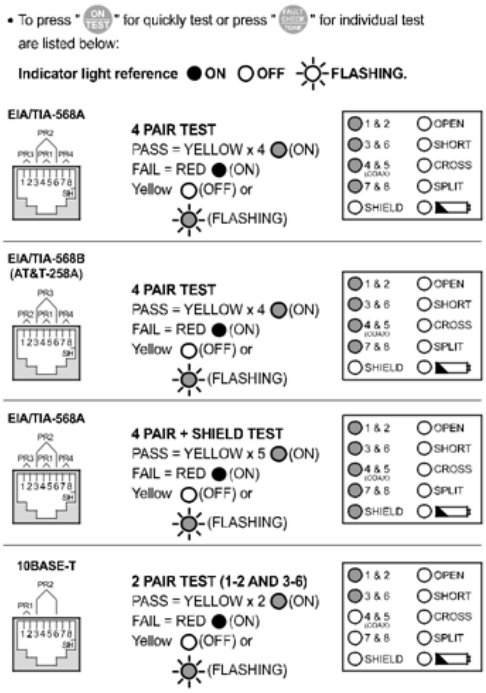
Power ON and Test

Press the ON button. Press again to begin test. When the PASS/FAIL LEDs light, press the FAULT CHECK button to isolate any problems to an individual pair.

Coax Testing Coax is displayed using the 4/5 LEDs. The coax remote is in the pouch.

Quick St

Purpose



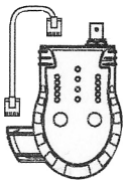
Tone is used to locate a cable's far end. A tone is placed on the cable's "near end" by the CTX200 Main unit. The probe locates the tone at the far end of the cable. NOTE: Requires

Connecting cables to the Tester
Plug the cable into the tester's Main unit.

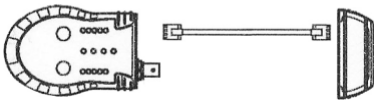
Power ON and Tone:
Press the ON button. Hold the TONE button for 7 secs to turn ON the tone. Press the TONE button repeatedly to select the pair you wish to tone. The tone is loudest when you select the entire cable (including the shield).

Connecting the Cable Tester

Testing patch cables
Slide Remote Connector out from base of Pocket CAT, then connect one end of the cable to the Remote Connector, and the other end to the Pocket CAT.



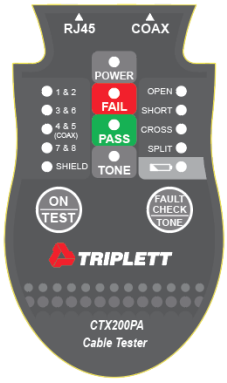
Testing installed cables
Slide Remote Connector out from base of Pocket CAT, then connect the far end of the cable to the Remote Connector, and the other end to the Pocket CAT. *NOTE: The Remote Connector for COAX testing is located in the pouch..*



Faceplate

Pass/Fail
Indicator

Pair/Shield
Tested
(Coax uses 4/5)



OPEN: A wire is disconnected.

SHORT: A wire makes contact with another wire.

CROSS (REVERSAL): a twisted pair gets flipped on one side of the cable

SPLIT: One wire from each of two different pairs gets swapped on both ends of the cable.

Press to test all pairs automatically.

Press to test pairs individually. Hold 7 second for Tone and Press again to select pair.
Remote Connector: Push or Slide to Remove.

Testing RJ45 and Coax Cables

Power ON and TEST: Press the ON button. Press again to commence the test. The bright, blue PASS LED indicates the cable has passed. If the FAIL LED lights, press the FAULT CHECK button to isolate problems to an individual pair. See back for more examples.

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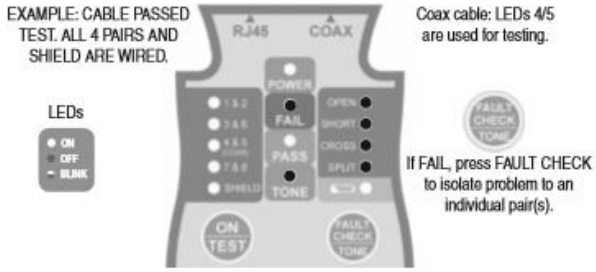
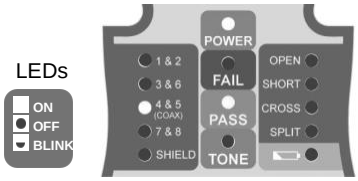


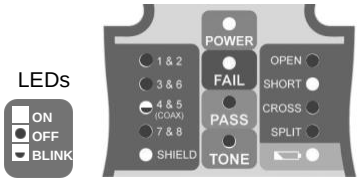
Testing Examples: Coax

The Pocket CAT uses LED 4&5 to display the status of a coax cable test.. Connect the near end of the cable to the BNC connector. Connect the far end to the coax terminator (pouch).

Good Cable:



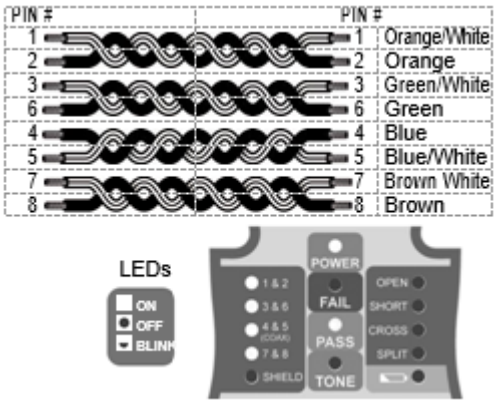
Short in Cable:



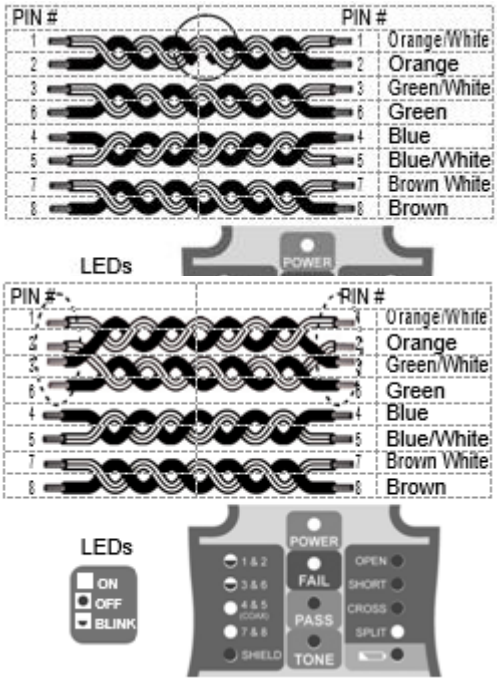
Testing Examples: Ethernet

Ethernet cables have 4 pairs of wires (”twisted pairs”). It is important that the pairs correctly go to connector pins 1,2; 3,6; 4,5; and 7,8. The tester tests for the proper pairing and if there is an error it will report it to you. The follow-ing examples are based on EIA/TIA 568B (the most popular ethernet wiring standard).

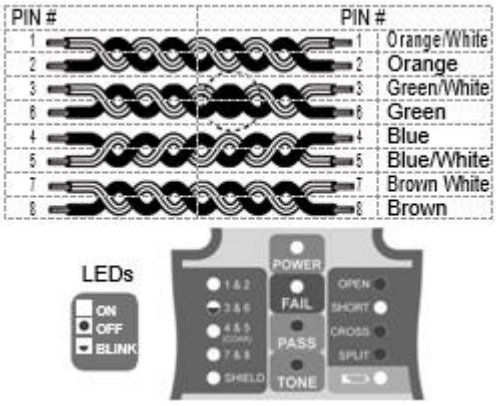
Good Cable:



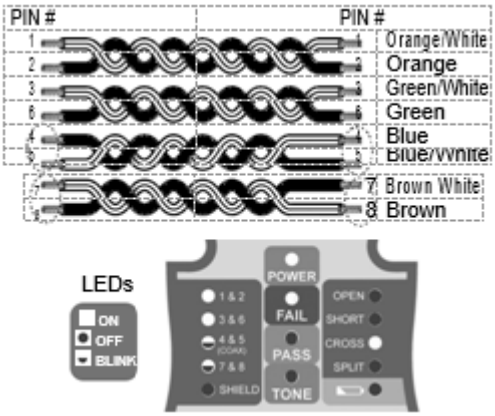
Open on Pair 1-2:



Short on Pair 3-6:



Crossed Pairs 4-5 & 7-8:



Warranty Information

Triplett / Jewell Instruments extends the following warranty to the original purchaser of these goods for use. Triplett warrants to the original purchaser for use that the products sold by it will be free from defects in workmanship and material for a period of (1) one year from the date of purchase. This warranty does not apply to any of our products which have been repaired or altered by unauthorized persons in any way or purchased from unauthorized distributors so as, in our sole judgment, to injure their stability or reliability, or which have been subject to misuse, abuse, misapplication, negligence, accident or which have had the serial numbers altered, defaced, or removed. Accessories, including batteries are not covered by this warranty