

Pro'sKit®

MT-7058 Mini LAN Cable Tester

User's manual



User's Manual

1st Edition,

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INTRODUCTION

The Mini LAN cable tester complies with CE safety standard, compact size and lightweight design for easy detection of good connections, opens, crossed wires & split pairs by only one touch testing. Trace wires with tone, easy and fast. Remote lights allow one person operation. Additional non-contact voltage detection provides user safety. Ideal for testing installed cables or patch cords with RJ-45, RJ-11, RJ12 and BNC connectors.

SAFETY RULES& WARNINGS

Warning



The tester is not intended for use on powered circuits. Attaching this tester to a powered circuit can result in damage to the tester or injury to the user.

1. Read all instruction in this manual before using this tester. Failure to do so may result in damage to the tester or injury to the user.
2. Do not use this tester when its case open, or when parts removed. Doing so may damage the tester and/or injure the user.
3. When using this tester in schools and workshops, responsible teachers or skilled personnel must control the usage of this tester. Failure to observe this precaution may result in damage to the tester or injury to the user.
4. Follow the recommendations of any Trade Organizations or Regulatory Agencies whose scope encompasses the use of this tester failure to do so may result in damage to the tester or injury to the user.
5. Repairs and maintenance must only be carried out by qualified service personnel or qualified electricians/technicians who know the dangers of.
6. Do not apply voltage or current to any of the tester's connectors. Doing so may damage the tester and /or injury the user.
7. Remove the battery when the tester not in use for longer than a month. Chemical leakage from the battery could damage the tester.

PRODUCT FEATURES

1. Complies with CE safety standard
2. Automatically detect good connections, opens, crossed wires & split pairs.
3. Multiple mode measurement options.
4. Simple one button test
5. LEDs indicate connections and faults
6. Tests shielded (STP)or unshielded(UTP) LAN cables
7. BNC cable indicator
8. Non-contact voltage detection for user safety.
9. Long cable test more than 300 meters
10. Low power consumption with auto power off function to preserve battery.

SPECIFICATIONS

1. Cables Tested: UTP and STP LAN cables Terminated in RJ-45 male connectors. (EIA/ TIA 568)RJ-11, RJ-12 cables with male connectors, 2 to 6 connectors installed. BNC cables with male connectors.
2. Faults Indicated: No Connection, Short, Straight, and Crossover.
3. Low Battery Indicator: LED lights red colors to indicate low battery

4. NCV detection for AC60V~240V 50/60Hz
5. Case Dimensions:140*70*35mm(LxWxH)
6. Weight:128g (without battery)
7. Battery: 9V battery (6F22).

PRODUCT DESCRIPTION

1. BNC connector & Non-contact voltage inductive probe.
2. Test push button
3. Power/sound on/off switch
4. Auto/manual /NCV switch
5. Remote unit.

ACCESSORIES

1. BNC-RJ45 adapter
2. Instruction Manual
3. Pouch Bag

OPERATION

1. The MAIN and REMOTE unit:

The Mini LAN Cable Tester consists of a main unit and a remote unit. The remote unit stores conveniently on the bottom of the main unit. It can be removed or replaced by sliding it from left to right or right to left respectively.

2. Performing the test:

RJ45 cable test: Please insert the cable into the socket of the main unit and a remote unit. The left side switch is Sound on or Sound off, and the right side switch is Auto. Press the test button to test. The results are displayed by LED and beeper.

3. Interpreting the results:

3.1 Power LED:

The power LED should lights up whenever the test button is pressed and released. If the power LED turns red, replace the battery.

3.2 Straight LED

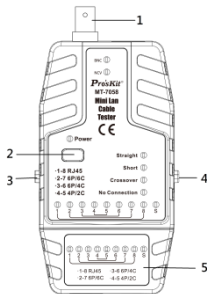
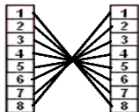
The Straight led and the 1-8 numbered LEDs light up with the beeper sounds for 3 times means the cable is all correct connection. If some of the numbered LEDs do not light up, but others light up, and the straight LED also lights up, it means the cable is open.

Note:

RJ-11/12 cables may have 2 conductors, 4 conductors, or 6 conductors. When testing 2 conductor cables, LED 4 ~ 5 must light up, for 4 conductor cables, LED 3~6 must light up and for 6 conductor cables, LED 2~7 must light up, and "STRAIGHT" LED also lights up. The numbered LEDs do not indicate a good connection exists; only shows connection exists.



If RJ45 or RJ11/12 all wires are wrong order that Straight LED will light 1 to 8, 2 to 7 and so on.



3.3 Short LED

If 3 & 4 LEDs lights up, and all other LEDs do not light up, the cable is shorted; the "short" LED will light up.

3.4 Crossover LED

If the "Crossover" LED lights up, it means the cable may be misconnected. If you want to see the misconnection, please change left side switch to "Step" become manual function to check the misconnection status step by step. Each time you click on a test button, the main unit and remote unit each led synchronously brighten. If the numbered led at the remote unit does not match the main unit LED sequence number, it means the wire were misconnected

3.5 No Connection LED

If the remote is not connected to the main unit with a cable, or the cable has no intake conductors, the no connection LED will light up and the beeper will sound for 4 times.

When the wire multiple faults, test results show is in accordance with the host panel "test results show" the lights from the top down order, namely: Shot → Crossover → Straight → No Connection.

Shot and cross / open: Shot LED on

Cross and open: Crossover LED on

3 BNC testing:

The BNC cable with the BNC-RJ45 adapter are inserted into the socket, Press the test button to test. Numbered LEDs will light up during scanning, after scanning; both LEDs of BNC on the main unit and the 1[#] on the remote unit light up. it means the BNC cable is correct connection. If the BNC cable is short, only the LED of BNC on the main unit lights up; if the BNC cable is open, both LEDs of BNC on the main unit and the 1[#] on remote unit won't light, The "No connection" LED will light up.

4 Non-contact Voltage Detection:

Set the right side switch to the NCV position and push the test button, As the detect antenna is located at the BNC connector of the tester, close to BNC connector to the live wires, the LED of NCV will light with sound.



Please put the tester as close as possible to surface of tested source for optimal testing result.