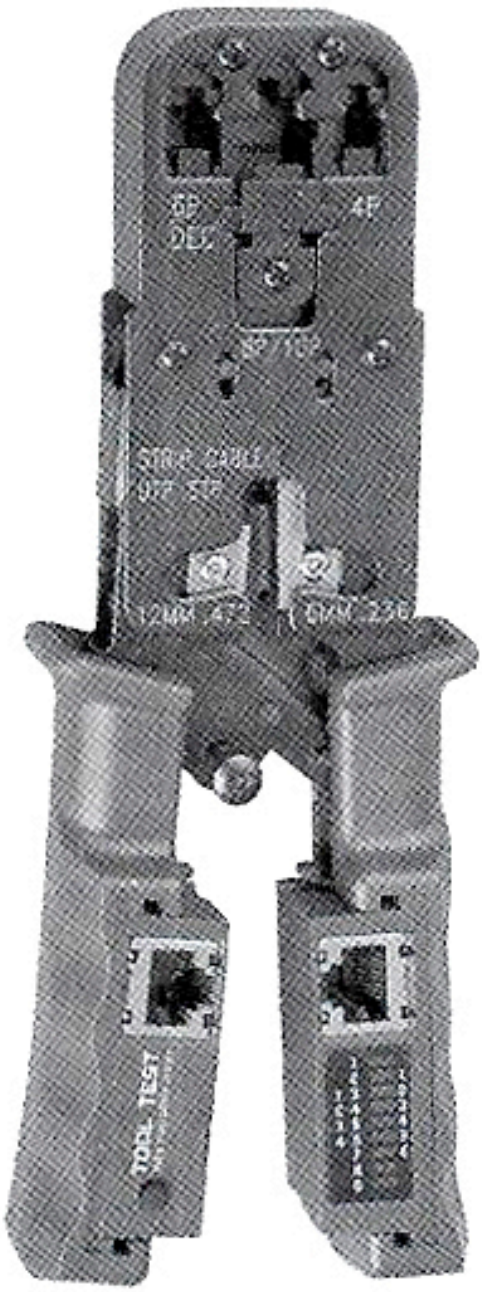
Multi-Modular plug crimp & cable test tool

user manual

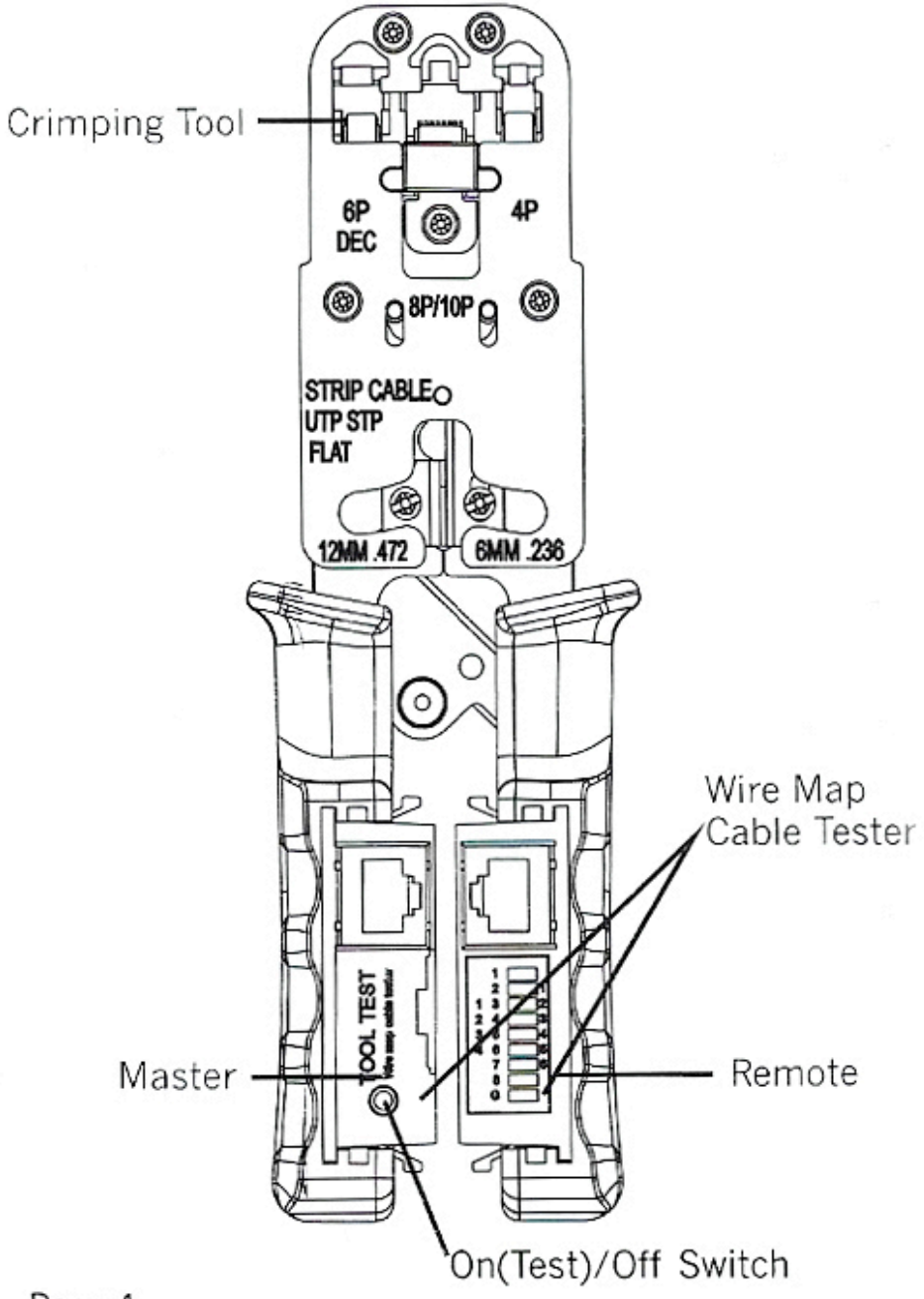


Tooltest is a small hand held cable map tester. It enables network professionals to quickly and easily test Ethernet twisted pair cable for wiring continuity, opens, shorts, and mis-wires. With a single push of the TEST button, Tooltest will automatically test cable and indicate the result of the cables pin to pin configuration.

With its unique combination of a Crimper Tool and a Cable Tester in one, it is the smallest and most convenient and innovative tool in the market worldwide today.

Features

- Testing for both UTP and STP cable
- Testing cable for continuity, opens, shorts, mis-wires
- Pin to pin indication
- Dual-Mode Test Function: Single and Continuous Test
- Auto Power Saving
- Low Power Indicator
- Single and Multi-Wired Cable Crimping
- Modular Crimping Plugs: 8P8C(RJ45), 6P6C(RJ12), 6P4C(RJ11)
- Integrated cable stripper and cutter
- Crimping Tool and Cable Tester in One
- Detachable Cable Tester



Tester Specification

Main unit

- **Test Method**
  Pin to Pin LED indicators
- **Detect wiring faults**
  Open, short, mis-wire
- **Shielding verifying**
  Verification of shield/ground integrity
- **Power saving**
  Auto Off function
- **Battery low**
  LED flash indicator

Remote unit

- **Display method**
  LED

LED Display Descriptions

LED #1~#8: 8 Pin wire configuration
LED #1: Low Battery Indicator: LED flashes repeatedly to indicate the unit is low in battery before each testing.
LED G: Shield/Ground
RJ11(Color-Green): PIN1-PIN4, RJ12(Color-Yellow): PIN1-PIN6, RJ45(Color-White)

Power supply

Main unit: DC4.5V (3*LR-44 type batteries)

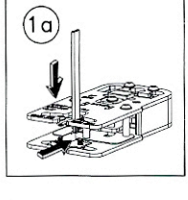
Tool specification
Ratchet style crimper

For Crimping Modular Plugs
8P8C/RJ45, 6P6C/RJ12, 6P4C/RJ11, 4P4C 4P2C Plug & DEC/OFF SET Plug 6P6C

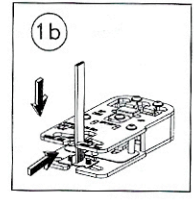
Tool operation
Ratchet type: Squeeze the handles until it stops to open the handles

1. Insert cable between stripper blades

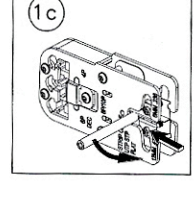
a. Insert 4p or 6p cable from the top end of the stripper block until it touches the stop guide (stripping length 6mm).



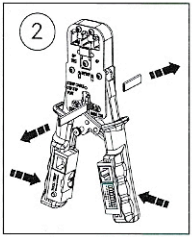
b. Insert 8p cable between stripper blades and let it extend a little past the lower cutter blade. (stripping length 12mm).



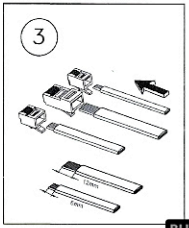
c. Insert UTP/STP cable from the lower end, let it extend a little past. Close to the handle and turn counterclockwise to a full circle



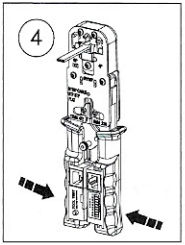
2. Cables must be kept perpendicular when squeezing handles and pull it from tool.



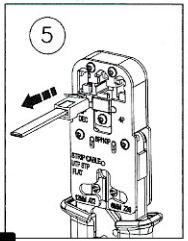
3. Insert the stripped cable into the plug (wires must be the same length after stripping and make sure wires are well set under golden contacts).



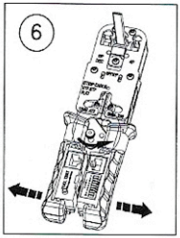
4. Place modular plug with wires into the tool holder (wires should be between the tab and gold contacts), then Squeeze handles until it stops.



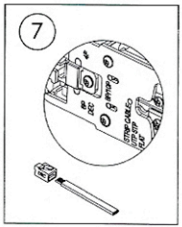
5. Remove the crimped plug from the tool



6. Remind: during the crimping process, you may turn the screw on the ratchet. Counter clockwise to stop the incorrect operation. (Ratchet Release)



7. To crimp "DEC"plug, follow steps 1 to 3. Then insert the "DEC" plug & wires into the 6P holder, and squeeze handle until it stops.



Tester operation

Cable Testing

1. Plug one end of the cable to be tested on the Main unit and the other end to the remote unit

2. Dual-Mode testing function:
   - Single Test: Press "Test" key to start the test. (Pressing the "Test" key for less than one second, will run a single test).

   - Multiple Tests: Press and hold the "Test" key for 3 seconds, the tester will run a multiple test repeatedly (6 Times)

   - Result information:

a. Good Pins: LED #1 to LED #8 and GND LED will flash in order.
b. Shorted Pins: The LED's will illuminate simultaneously with the corresponding Shorted Pins.
c. Mis-Wired Pins: The corresponding LED will illuminate.
d. Opened Pins: The corresponding LEDs will not flash

3. To STOP cable testing during the test process, simply push the "Test" key again and the test process will be interrupted.

Note: It's a normal condition when testing cables with 4 pins and 6 pins, the test result will appear after few seconds.

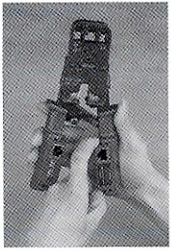
4. Auto Power: During Single Test, unit will power off automatically when testing process had concluded.

5. Battery Low Indicator: The first lightening LED will flash 4 times when TEST button is pressed.

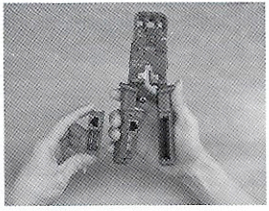
Remark: Please noted the LED might not lights up in order, it depends on the wire map condition of the cables.

Detached Wire Cable Tester Instruction

Step 1: Please pressing the handle to the releasing point, then the handle will be released automatically.



Step 2: Please detach the wire map cable tester by pressing the two pins on top and bottom of housing.



Step 3: Detach completed

Tooltest displays cable map results for pass,short, mis-wire by pin-to pin, the following explains the results in details:

12345678G => LED PIN 1 to PIN G

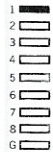
12345678G => Actual Test result

G:Ground

RJ 45 Cable:

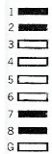
Pass: The LED will light up from PIN 1 to PIN G by orderly after wire map tested if the corresponding pins are pass

Standard line: 12345678G
Actual test result: 12345678G



Short:
The LED will light up of PIN1, PIN2, PIN7 and PIN8 after the wire map tested if these corresponding pins are shorted.

Standard line: 12345678G
Actual test result: 12345678G



Miswire:
The LED will light up disorderly after wire map tested if these corresponding pins are miswired.

Standard line: 12345678G
Actual test result: 68745321

Battery low: The first lightening LED will flash 4 times when battery is low.

Remark: Please noted the LED might not lights up in order, it depends on the wire map condition of the cables.

WARNING

- While putting the battery, please pay attention to the polarity of the battery, in order to prevent the overheated phenomenon of battery.
- While testing the 6P6C, 6P4C cables, please plug it into the jack of tester harder due to it is mini-sized design