LANtest

User Manual

Models:

256551 LANtest Kit
(Includes master box and remote unit)

Hobbes Computer Network Accessories

www.hobbes-usa.com

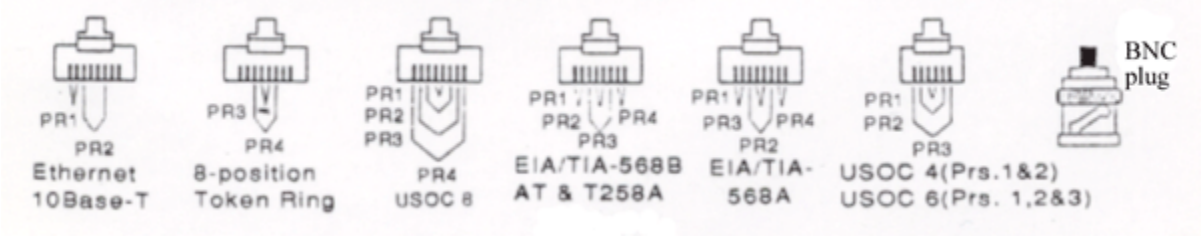
INTRODUCTION:

LANtest is a newly designed and very practical tester that can easily read the correct pin configuration of 10Base-T cable, 10Base-2 cable, RJ45/RJ11 modular cables, 258A, TIA-568A/568B and Token Ring cable, etc. by comparing one transmitting end to the corresponding receiving end. With the remote kit it can test cable installed far away either on wall plate or patch panel. It easy to verify the cable continuity, open, short, and cross-connect. It's affordable, so you can benefit the most.

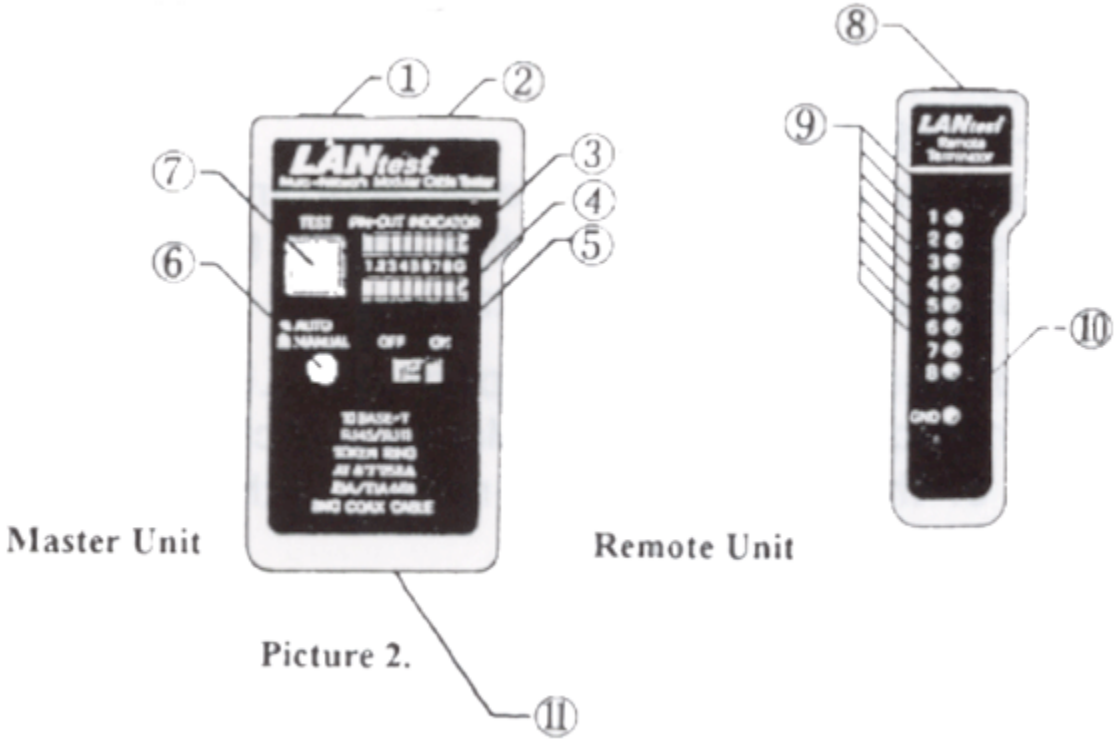
FEATURES:

- Can test the correct pin configuration of 10Base-T, 10 Base-2 Ethernet cable, RJ45/RJ11 modular cables, 258A, TIA-568A/568B and Token Ring cable, etc.
- Easy to read cable status and verify cable continuity, open, short and miswire.
- With remote kit it can remotely test cable far away either on wall plate or patch panel.
- Can test the grounding.
- Features with auto or manual scan

Picture 1



PRODUCT PROFILE:



Picture 2.

1. RJ45 Jack
2. RJ45 Jack
3. LED Display for sourcing end (Jack1)
4. LED Display for receiving end (Jack 2)
5. Power Switch
6. LED Scanning mode switch
7. Test switch for manual scan
8. RJ45 Jack
9. LED Display for receiving end (same as no. 4)
10. Ground LED for receiving end
11. Battery compartment (9V)

OPERATION:

I. Loopback Test

1. 10Base-T Cable Test

1.1. Plug one end of tested cable on sourcing of RJ45 jack (Marked with '▲') and another end of tested cable on remaining receiving RJ 45 jack.

1.2. Slide power switch on, the upper row LEDs will start to scan in sequence if the Auto/Manual switch is set on Auto mode, or the LED will light on pin 1 if the Auto/Manual switch is set on Manual mode.

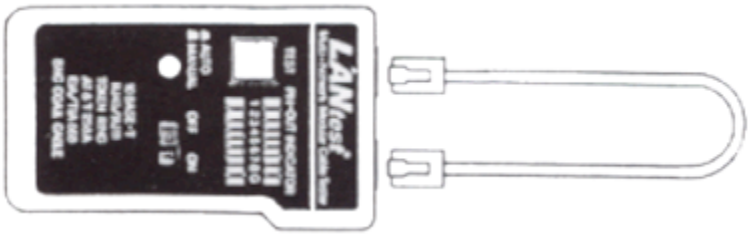
Note: You have to make sure the battery power is sufficient. If battery fails to the power, the LEDs will be dimmed or hold up or no light, and the test result will be incorrect.

1.3. Chose the Auto/Manual switch to be Auto scan mode or Manual scan mode by pressing the Auto/Manual switch.

1.4. In this moment the corresponding LED indicators of an-other row of LED will light up simultaneously.

1.5. Read out the result of LED display. It tells you the pin configuration status of the tested cable. If you fail to read the result in the first run of LED scan, you may read it again in the second run of LED scan, or use the manual mode and press the test switch one by one until you read the result out. Please refer to picture 3.

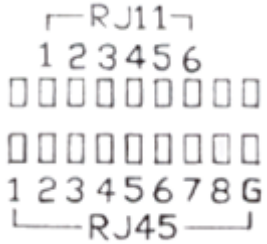
Picture 3
Loopback Test



2. Modular Cable test

Please follow up the procedures of 10Base-T Cable Test. However, the LED display should be read as picture 4.

Picture 4



3. 10Base-2 Cable Test

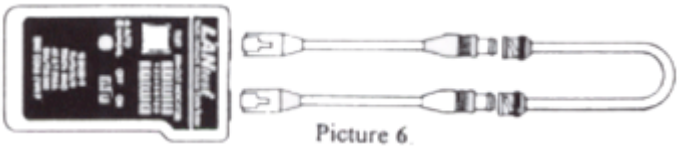
3.1. Plug the two attached BNC adaptor cables on both RJ45 jacks, then connect the tested cable both ends on BNC adaptor cables.

3.2. As to the remaining procedures you may refer to10Base-T cable test from step 1.2. to 1.5.

Note: 1. The center pin of BNC should be read on LED 1 and shielding pin of BNC should be read on LED 2. Please refer to Picture 5.

Picture 5

2. As the 10Base-2 cable has only two wires, we suggest you to read the result of LED scan by manual mode.



Picture 6

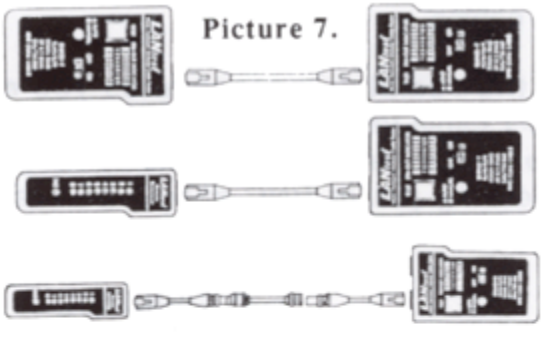
II. Remote Test

1. Plug one end of tested cable on the sourcing RJ45 jack (Marked with '▲') of master unit and another end on the receiving RJ45 jack of remote unit. If the tested cable has already installed on the patch panel or wall plate, you may use the adaptor cable to solve the connector gender problem. Please refer to picture 7, 8.

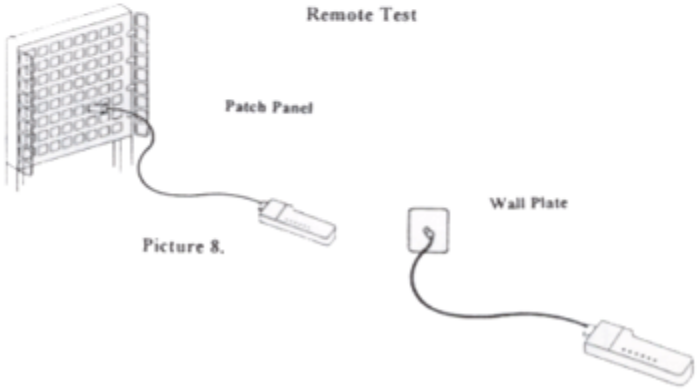
2. Now, set the Auto/manual switch on Auto mode if you work test alone.

3. Read the test result from LED display on remote unit.

Note: The LED display on remote unit was scanned in se-sequence corresponding to the sourcing end of master unit.



Picture 7.



Picture 8.

Test Result

1. Continuity:  Pin 2 is continued

2. Open:  Pin 2 is opened

3. Short:  Pin 2 and Pin 3 are shorted

4. Miswire:  Pin 3 and Pin 6 are miswired

Warning:

1. Please don't operate the tester in live circuit because it may damage the tester.

2. If you will not use the tester for a long time, take off the battery from battery compartment.