# USER'S MANUAL

## TCT-1620

Multi Cable Tester

# REMOTE CABLE TESTER
# USER'S MANUAL

## Table  of  Connects

**Introduction**

     Our Remote Cable Tester TCT-1620 is a new ergonomically portable desgined and easy handheld unit, and very simple to test the correct pin configuration of RJ-45, RJ-11, IEEE 1394, USB, and BNC. For the testing of most popular Networking Cables,. this unit can be used to verify the condifion of cables, both before and after their installation. Is connected to the remote end of installed network cabling.



**Functions**

- New ergonomically portable handheld desgined.
- Easily read correct pin configuration of RJ-45, RJ-11, USB, IEEE 1394 and BNC cable.
- Check for cable continuity, miswiring, open, short, crossover and grounding.
- Visiable LED pin/wires status display.
- Test cables installed from a distance either on wall plate or patch panel.
- Maximum cable lenght 600 feet. (RJ-45/RJ-11/BNC)

This tester is very easy for easy for operation, to start the testing only by simply pushing the green button. And Functional LEDs to be more clear indication of cabing continuity, miswiring, open, short, crossover and grounding automatically go off for power saving.
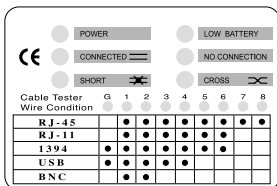
## The configuration of main unit tester
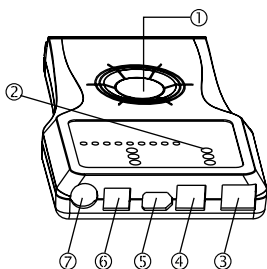


1. Green push button.
2. LED display.
3. Shielded RJ-45 connector.
4. RJ-11 connector.
5. IEEE 1394 connector.
6. USB B connector.
7. BNC connector.

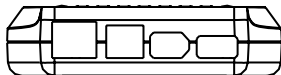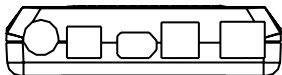## The configuration of remote terminator
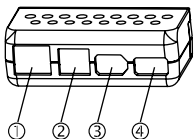


1. Shielded R45 connector
2. RJ-11 connector
3. IEEE 1394 connector
4. USB B connector

# LED Display



| Cable Tester Wire Condition | G | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|---|
| RJ-45 | | ● | ● | ● | ● | ● | ● | ● | ● |
| RJ-11 | | ● | ● | ● | ● | ● | ● | | |
| 1394 | ● | ● | ● | ● | ● | ● | | | |
| USB | ● | ● | ● | ● | ● | | | | |
| BNC | | ● | ● | | | | | | |

# Jack of Test Cabling



# Cable Testing

**RJ-45**　　　　for testing Lan Cable of Ethernet 10BASE-T, EIA/TIA-568/568B, AT&T258A, Token Ring, and any other cabling systems with RJ-45 connectors.

**IEEE 1394**　for testing 1394 cable with 1394 connector.

**RJ-11**　　　　for testing Telephone, PhonNet, and any other cabling systems with RJ-11 connectors.

**USB**　　　　　for testing USB, and any other cabling systems with USB connectors.

**BNC**　　　　　for testing Ethernet 10BASE-2/10BASE-5 Terminator value.

**The Operation of RJ-45, RJ-11, USB, IEEE 1394 and BNC.**

Please connect cable's one end to the main unit properly, and the other end to the remote terminate, then press the green button and read the result from LEDs condition.


**Caution:**

1.Do not connect the tester to a live circuit.

2.Do not test more than one cable simultaneously.


**(1) RJ-45**

When you UTP cable, will show the result on 8 LEDs. If you test STP cable, then will show on 9 LEDs for one more grounding.

**(2) RJ-11**

Because RJ-11 are 6 wire cables, so will show the Result on LEDs.

**(3) 1394**

Because 1394 are wire cables with shielded, so will show the result on 7 LEDs.

**(4) USB**

USB are 4 wire cables, so will show the result on 4 LEDs.

**(5) BNC**

Connect to other end cable with BNC Terminator, will show the result on 2 LEDs.

## Testing Faults

1. Connected wire: the blue LED goes on simultsneously on the main unit with wire condition.
2. Short wire: The Red LED goes on, and simultsneously on the main unit with wire condition.
3. Open wire: The Yellow of no connection LED goes on, when the wire is open.
4. Cross wire: The Yellow of cross LED goes on, when some wire are cross in a cable.
5. Low battery: The Yellow of low battery LED goes on, Please chang the 9V battery.

# UTP Cable Color Cable

| Pair identification | Color code for connector | T568A Pin Assignment |
|---|---|---|
| Pair   1 | White/Blue | 5 |
| | Blue | 4 |
| Pair   2 | White/Orange | 3 |
| | Orange | 6 |
| Pair   3 | White/Green | 1 |
| | Green | 2 |
| Pair   4 | White/Brown | 7 |
| | Brown | 8 |

| Pair identification | Color code for connector | T568B Pin Assignment |
|---|---|---|
| Pair   1 | White/Blue | 5 |
| | Blue | 4 |
| Pair   2 | White/Orange | 1 |
| | Orange | 2 |
| Pair   3 | White/Green | 3 |
| | Green | 6 |
| Pair   4 | White/Brown | 7 |
| | Brown | 8 |