Danicom
Connecting IT

DC-TOOLSET-PRO
Networking Tool Set with Bag

►**Package Contents**

Crimping Tool x1
LSA Punch Down Tool x1
Universal Stripping Tool x1
Network Cable Tester x1
RJ45 to BNC Adapter Cable x2
Screwdriver Slot/Cross x1
RJ11 Plugs x25
RJ45 Plugs x25
User Manual x1

►**Safety Instructions**

Put the device always on a stable and straight surface. It will damage the device if it falls.
Don't place the device into direct sunlight or in places with high temperature. This will damage the device or shorten its average lifespan.
Don't place it near heat sources like radiators or other heat producing devices.
Don't expose the device to water, moisture or high humidity.
Don't place it in the bathroom or the kitchen near a sink. Avoid direct contact with water.
Don't try to open the device.
This tester is not intended to use on powered circuits. Attaching this tester to a powered circuit can result in damage to the tester or injury to the user.
If you will not use the tester for a long time, take out the battery from the battery compartment.

Congratulations on the Purchase of DC-TOOLSET-PRO!
Please read the manual and safety Instructions before using the product for the first time. Otherwise damage may result.

According to the European WEEE directive, electrical and electronic equipment must not be disposed with consumers waste. Its components must be recycled or disposed apart from each other. Otherwise contaminative and hazardous substances can pollute our environment.
You as a consumer are committed by law to dispose electrical and electronic devices to the producer, the dealer, or public collecting points at the end of the devices lifetime for free. Particulars are regulated in national right. The symbol on the product, in the user's manual, or at the packaging alludes to these terms. With this kind of waste separation, application, and waste disposal of used devices you achieve an important share to environmental protection.

The CE mark confirmed that this product meets the main requirements of the Directive 2014/30/EU of the European Parliament and the Council of Europe concerning telecommunications and terminals regarding the Safety and health of users and of electro-magnetic interference compliance. The CE has been demonstrated. These statements are deposited by the manufacturer.
2direct GmbH - Langenstück 5 D-58579 Schalksmühle

▲**Introduction**

Ⓐ   Modular Crimping Tool 8P8C: For crimping the network/telephone cable.

Ⓑ   LSA Punch Down Tool: Suitable for on-wall and in-wall wallplates, cutting the extending cable end in one step.

Ⓒ   Screwdriver (Slot/Cross)

Ⓓ   Universal Stripper for round or flat cables from approx. Ø3-8 mm.

Ⓔ   RJ45 to BNC Adapter Cables

Ⓕ   Cable Tester for RJ45, RJ11/12 & BNC, with master and remote unit

Ⓖ   RJ11 and RJ45 plugs

▲**Cable Tester**

❶ RJ45 jack
❷ RJ45 jack
❸ LED display for sourcing end (Jack 1)
❹ LED display for sourcing end (Jack 2)
❺ Power switch
❻ LED scanning mode switch
❼ Test button for manual scan
❽ RJ45 jack

❾ LED scanning mode switch
❿ Ground LED for receiving end
⓫ Battery compartment (9 V)

| Ethernet 10Base-T | 8-position Token Ring | USOC 8 | EIA/TIA-568B AT & T258A | EIA/TIA-568A | USOC 4 (Prs. 1&2) USOC 6 (Prs. 1, 2& 3) |

▲**Cable Tester Operation**

■ **Loopback Test**

10Base-T Cable Test

❶ Plug one end of testing cable on sourcing of RJ45 jack and another end of testing cable on the receiving RJ45 jack.

❷ 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.

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

❸ Choose the Auto/Manual switch to Auto scan mode or Manual scan mode by pressing the Auto/Manual switch.

❹ The corresponding LED indicators of the second row of LED will light up simultaneously.

❺ The LED display shows the result. It tells you the pin configuration status of the testing cable. If you fail to read the result in the first run of LED scan, you may test it again in the second run of LED scan, or use the manual mode and press the test switch one by one until you see the result.
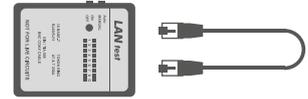
Modular Cable test
Please follow up the procedures of "10Base-T Cable Test".
However, the LED display should be read as the picture on the right.

RJ11 / RJ12
1 2 3 4 5 6

1 2 3 4 5 6 7 8 G
RJ45
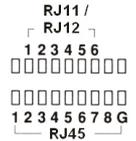
10Base-2 Cable Test

❶ Plug the two attached BNC adaptor cables on both RJ45 jacks, then connect the testing cables on the both ends of BNC adaptor cables.
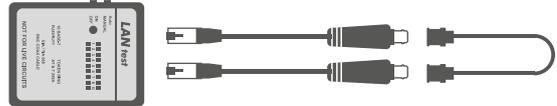
❷ As to the remaining procedures, you may refer to 10Base-T cable test from step 2 to step 5.

❗ The center pin of BNC should be read on LED 1, and shielding pin of BNC should be read on LED 2.

1 2 3 4 5 6 7 8 G
BNC CENTER PIN
BNC SHIELDING

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

■ **Remote Test**

❶ Plug one end of testing cable on the sourcing RJ45 jack of master unit and another end on the receiving RJ45 jack of remote unit. If the tested cable has already been installed on the patch panel or wall plate, you may use the adaptor cable to solve the connector gender problem.
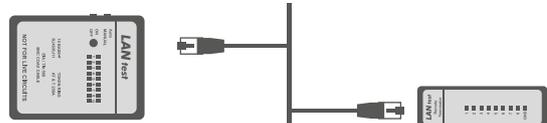
Patch Panel or Wall Plate

❷ Set the Auto/manual switch on Auto mode if you do the test alone.

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

❗ The LED display on remote unit was scanned in sequence corresponding to the sourcing end of master unit.

▲**Test Result**

❶ Continuity: 1 2 3 4 5 6 7 8 G   Pin 2 is continued.

❷ Open: 1 2 3 4 5 6 7 8 G   Pin 2 is opened.

❸ Short: 1 2 3 4 5 6 7 8 G   Pin 2 and Pin 3 are shorted.

❹ Miswire: 1 2 3 4 5 6 7 8 G   Pin 3 and Pin 6 are miswired.