BENETECH®

MODEL:**GT67**

Wire tracker
Instruction manual

Standard:Q/GMY 020-2015
Version:GT67-EN-01

A.Safety Information

1.Warning:

To prevent electric shock and personal injuries, please do not:

- Trace the cable with strong current lest personal injuries and/or equipment damage occur.
- Use the unit in thunder storm weather lest it results in personal injury and/or equipment damage.

2.Cautions:

To avoid the damage to the device and the detected, please follow the instruction below:

- Do not use the cable order verifying function for the live cable.
- Take out the batteries if the product is expected not for use for long time, to avoid erosion of the battery leakage which may result in poor battery contact.
- Do not dismantle the device. Please contact the local dealer to repair the product by authorized technicians.

B.Introduction

The product is a professional networking cable inspection device that contains wiring tracing, cable order verifying and wiring faults inspection functions.

The product contains following functions:

1.Chargeable and anti-interference
2.Long distance wiring tracing.
3.Internet cable order verifying .
4.Wiring voltage check.
5.Wiring voltage polarity check.
6.Wiring shorts inspection.
7.Low battery indication.
8.Adjustment for tracing sensitivity/volume.
9.Earphone jack output.
10.Flashlight.

C.Operation Instructions

a.Power on/off(POWER)

Short press power button to turn on the instrument and the power light; then press power button to turn off the instrument.

b.Line scanning function(SCAN)

The scanning function of the product is to quickly find out the line pair you need (such as network lines, telephone lines, video signal lines) amongnumerous line pairs. Under the scanningstate, the SCAN indicator light is on. Connect one end of the line to be tested directly or through alligator clip into RJ11 / RJ45 connector of the transmitter.

The scan signal sent by the instrument is transmitted in the inserted line. Press the Power on button on the receiver and listen to the other end of the line to be tested (e.g. line terminal, distribution frame of telephone system, terminal box, hub side of computer network), and the receiver beeps.Compare the volume of "beep" sound, the line pair with the most intensive "beep" sound is the one that you look for.In a noisy environment, if the "beep" sound is not obvious, you can raise the volume.

When measured under full power state, the effective measurement distance of the effective measurement distance of the product is greater than 1000 meters. You have to make sure that there is no connector in the measured cable.

c.Testing function(TEST)

Testing function of the product can enable you to quickly test the basic physical connection characteristics such as open circuit, short circuit and line order of the following lines:

1.Standard UTP computer network cablesuch as IEEE 10Base-T, EIA / TIA 568A, EIA / EIA568B, AT & T258A, Token-Ring;
2.2 core, 4 core and other telephone lines;
3.Any other metal cables.

Press any key of TEST to enter testing state with OHM light shining lastly and SCAN light flashing.Connect one end of the measured line with the transmitter's RJ45 socket,the other end with the receiver's RJ45 socket.Decide whether the line state is good or badbased on the eight line indicators (1, 2, 3, 4,5, 6, 7, 8) ofthe transmitter and receiver. If the state is normal,the corresponding indicators will light up one by one.Testing function of the product line can test outwhether the shield line (G) is good or bad, which will be indicated by the 9th indicator.This product has two manners of testing, fast line testing and slow line testing.

d.Line voltage test(V)

Voltage testing function of the product can make qualitative measurement on some basic conditions of the tested line, including existence of line voltage and positive and negative polarity of the voltage. The test of line voltage can be done by the transmitter without the use of the receiver. Press the V key to enter into line voltage testing state, and VOLT indicator will light up. Plug one end of alligator clip adapter into RJ11 socket of the transmitter, clampthe red and black clips on the measuredline, orplugthe telephone line withRJ11 directly into RJ11 socket; if the telephone line has voltage,OHM or SCAN indicator of the instrument will light up, otherwise it will not light. If SCAN indicator lights up, red alligator clip is positive; if OHM indicator lights up, red alligator clip is negative.

This function is mainly for the weak current of telephone lines. Do not use the product to measure other strong lines, otherwise it will damage the product and induce the risk of electric shock.

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e.Shorts circuit test(Ω)

Short circuit test is used to measure whether the telephone line (telephone line with no access to the network) has short circuit. Press the Ω key to enter into short circuit testing state and OHM indicator will light up.Plug one end of the alligator clip adapter into RJ11 socket of the transmitter, and clamp the tested line with red and black clips. If the line is shorted, the

SCAN indicator will light up. For the telephone line with registered jack, plugging directly into the transmitter's RJ11 port will do.

This function can also testshort circuit of other line.

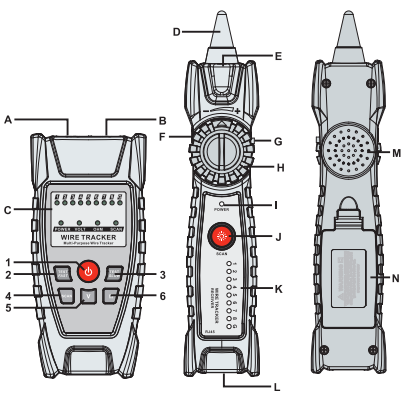
D.Name of parts and buttons

1.Name of the components:

A.RJ45 interface
B.RJ11 interface
C.Function indication light
D.Signal tracing sensor
E.Flashlight
F.Headphone jack
G.Flashlight switch
H.Volume control wheel
I.Operation indication light
J.Scan cable tracing button
K.Cable order verifying lights section
L.RJ45 cable order verifying socket
M.Audio output
N.Battery door

2.Buttons:

(1)Power : power button
(2)TEST FAST : Fast cable order verifying button
(3)TEST SLOW : Slow cable order verifying button
(4)SCAN:Scan button
(5)V : Voltage testing button
(6)Ω : Cable shorts opens inspection



E.Wiring Instruction

1.Alligator clip adapter line:
plug one end into RJ11 port,the other end of the clip used to clamp the object.
2.RJ45 registered jack line:
plug one end intoRJ45 port of the transmitter, the other end into the network cable port of RJ45 socket on the wall.
3.RJ11 registered jack line:
plug one end into RJ11 port of the transmitter, the other end into the telephone line port of RJ11 socket on the wall.

F.Others

- Low power prompt function of transmitter and receiver, The power lamp of the transmitter and receiver will flash once in 1s. Please replace the battery.

G.Specifications

Dimension	Transmitter	Receiver
Weight	138g	119.9g
Dimension	63*134*31mm	40*200*32mm
Power	1.5V AAA*3batteries	6F22 9V battery
Signal Tracing Transmit Distance	>1km	
Display	LED	
Operating Temperature	-10 ~40℃ (14 ~ 104℉)	
Operating Humidity	10-95%RH	
Storage Temperature	-10 ~40℃ (14 ~ 104℉)	

Specific Declarations:
Our company shall hold no any responisibility resulting from using output from this product as an direct or indirect evidence. We reserves the right to modify product design and specification without notice.