

Model: ATZ NET-CBT-TRACER

Description: Network Cable Tester + Cable Tracker



This RJ45 / RJ12 / RJ11 cable tester with cable pair identifier uses for tracing/scanning and testing cables data and telecommunication network. It helps significantly save time in searching and verifying pairs of network cables as well as electrical cables.

Device locates, verifies connections and detects for short circuits or incorrect pair connections issues.

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Features

- Quickly and accurately locate (RJ11, RJ12, RJ45) cables from among plenty of telephone and network wires
- Use for scanning for continuity testing, network cable sequence collation, open/short circuit testing, and DC voltage level testing
- Compare the volume of the tout sound and the brightness of the signal indicator. Then you can find the target wire which has the highest volume and brightest indicator
- Designed to identify and trace wires or cables within group without damaging insulation
- Suitable for telephone line can identify some state in line and more convenience to install and debug
- Track cables or wires and diagnose break point
- Receiver tone signal on cables or wires (telephone line)
- Identify state in working telephone line (clear ring, busy)
- Send single solid tone or dual alternating tone to object cables or wires
- Equipped with both LED indicators and sound alarms for low light and nosy environment
- Compact design for easy portability

Specifications:

	Transmitter	Receiver
Connector Type	RJ45, RJ12, RJ11	
Power Supply	2 x DC, 9V battery (not included)	
Max Working Current	≤ 10mA	≤ 30mA
Signal Transmission Format	Multi-frequency impulse	
Induction Distance	< 20mm	
Signal Output Electric Status	8V p-p	
Signal Transmission Distance	Up to 3km	
Audio	Single Audio and Dual Audio	
Battery Life	50 hours continuously	
Material	ABS	
Storage Temperature	-20 ~ 50°C	
Operating Temperature	-10 ~ 40°C	
Appearance Dimension	126 x 49 x 34mm	175 x 42 x 27mm
Weight	0.060kg	0.072kg

Operation Controls and Functions:



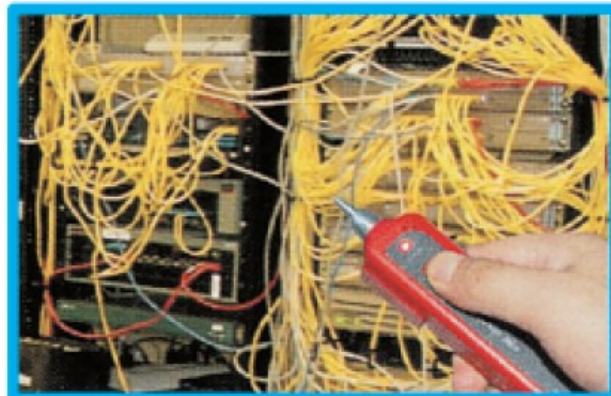
Telephone Wires Function:

Case 1

Find wire on switch



Connect emitter with port of telephone wire to be found



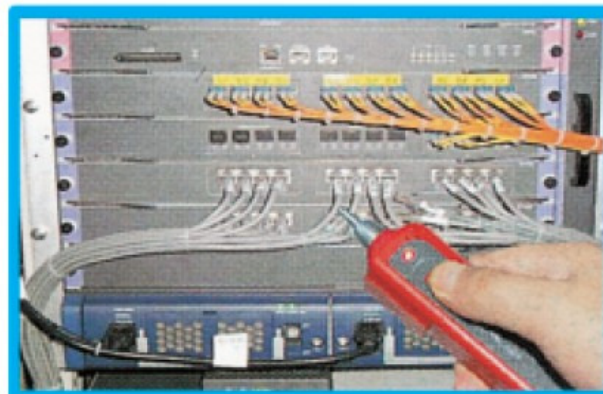
Find it with receiver at the other end

Case 2

Find wire on patch panel



Connect emitter with port of telephone wire to be found



Find it with receiver at the other end

1. Directly insert telephone wire with RJ11 plug into the RJ11 socket of the wire tracker's emitter;
2. Push DIP switch of emitter to position of "**SCAN**" then wire finding indicator "**STATUS**" flashes meaning normal work of emitter;
3. Press downward the inching button, use the probe of receiver to find target wire at the other end;
4. During testing, function switchover button can be pressed for switchover of dual-tone.

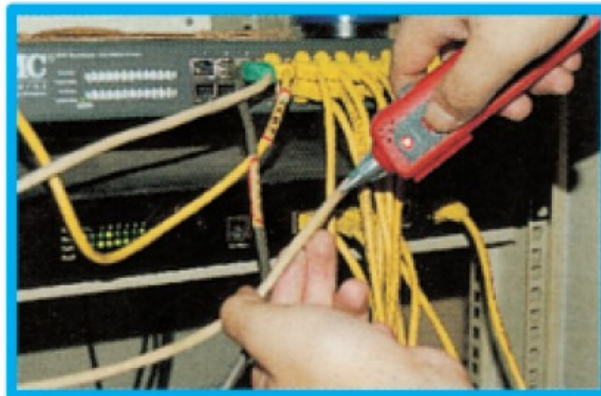
Network Wires Function:

Case 1

Find wire on router



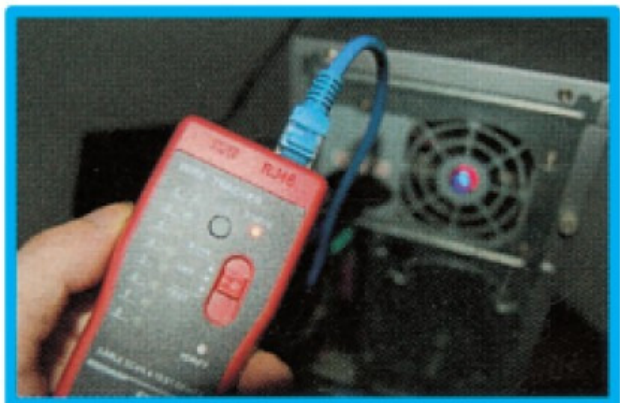
Connect emitter with port of network wire to be found



Find it with receiver at the other end

Case 2

Find wire on net bar



Connect emitter with port of network wire to be found



Find it on the switch

1. Directly insert telephone wire with RJ45 plug into the RJ45 socket of the wire tracker's emitter;
2. Push DIP switch of emitter to position of "**SCAN**" then wire finding indicator "**STATUS**" flashes meaning normal work of emitter;
3. Press downward the inching button, use the probe of receiver to find target wire at the other end;
4. During testing, function switchover button can be pressed for switchover of dual-tone.

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Electric Wires Function:



Connect emitter with
electric wire to be found



There is no electric drill required!!!



How to find the wire from among so many wires?
It is so slow by using a multimeter.

1. Directly insert telephone wire with crocodile clamp and RJ11 plug into the RJ11 socket of the wire tracker's emitter;
2. Push DIP switch of emitter to position of **"SCAN"** then wire finding indicator **"STATUS"** flashes meaning normal work of emitter;
3. Press downward the inching button, use the probe of receiver to find target wire at the other end;
4. During testing, function switchover button can be pressed for switchover of dual-tone.

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Network Wires Collation Function:

Support direct wire collation
of operating switch



It's so simple that there is
no cable tester required
for testing wire now

It can take place of cable tester

It can rapidly test open circuit/short
circuit and crossing through the 16
status indicators. The test result is
accurate and the result is displayed
clearly and directly.



1. Insert RJ45 plug at two ends of the network wire into the corresponding sockets at emitter and receiver.
2. Push function switchover button on emitter to the position of "TEST", testing indicator "VERIFY" flashes meaning normal work of emitter.
3. According to 16 wire sequences, judge the characteristics of short-circuit, breaking circuit, open circuit and crossing.
4. During testing, function switchover button can be pressed for switchover of fast and slow levels.

Cable Tester LED Lights
(emitter & receiver)



8 pins shielded network cable
1 → 2 → 3 → 4 → 5 → 6 → 7 → 8 → G



8 pins unshielded network cable
1 → 2 → 3 → 4 → 5 → 6 → 7 → 8 →



6 pins telephone line or other cable
2 → 3 → 4 → 5 → 6 → 7



4 pins telephone line or other cable
3 → 4 → 5 → 6



2 pins telephone line or other cable
4 → 5

Cable Tester LED Lights
(emitter & receiver)

Emitter: 1 → 2 → 3 → ? → 5 → 6 → 7 → 8
Receiver: 1 → 2 → 3 → ? → 5 → 6 → 7 → 8
Open

Emitter: 1 → 2 → 3 → 4 → 5 → 6 → 7 → 8
Receiver: 1 → 2 → 3 → ? → 5 → 6 → 7 → 8
Shorted

Emitter: 1 → 2 → 3 → 4 → 5 → 6 → 7 → 8
Receiver: 1 → 2 → 3 → 5 → 4 → 6 → 7 → 8
Miswired

Emitter: 1 → 2 → 3 → 4 → 5 → 6 → 7 → 8
Receiver: 8 → 7 → 6 → 5 → 4 → 3 → 2 → 1
Reversed

Note: The equipment is prohibited to be used on heavy-current wires

Other Functions:

Open circuit or short circuit testing function

Push DIP switch on emitter to position of "TEST", and long press function switchover button on emitter for 2 seconds, "VERIFY" indicator will change "flash" to "lighting". Insert the crystal plug with crocodile clamp into RJ11, clamp the two ends to be tested with crocodile clamps, in case of short circuit, "1"-shape indicator of emitter will light up, otherwise it will not light up, resistance of the line can be indicated by brightness of status indicators: the lighter the indicator, the smaller the resistance; the darker the indicator, the bigger the resistance.

DC level testing function

Push DIP switch on emitter to position of "SCAN", and long press function switchover button on emitter for 2 seconds, "STATUS" indicator will turn off and "VERIFY" indicator flashes, insert the crystal plug with crocodile clamp into RJ11, clamp the two ends to be tested with crocodile clamps, in case that "STATUS" indicator lights up in red, it means the end clamped with red clamp is positive pole, in case that "STATUS" indicator lights up in green, it means the end clamped with red clamp is negative pole, electric level can be judged by brightness of the status indicators; the lighter the indicator, the smaller the resistance; the darker the indicator, the bigger the resistance.



Can test positive and negative pole of DC electric level

Low voltage alarm function

Push DIP switch on emitter to position of "SCAN", in case that battery level is lower than 6.0V, "STATUS" and "VERIFY" indicators will light up at the same time, it means battery replacement is needed.

Earphone function

In noisy environment, earphone can be used to prevent interference from the outside.



Volume adjusting function

While find the wire, volume knob can be rotated for moderate level of sound.

Spotlight function

You can easily work as usual while putting on the light switch at night and in the dark.



Energy-saving

Inching switch can automatically delay power-off.
The continuous lifespan of battery is over 50 hours.

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Product Picture:



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Application Diagram:

Multifunctional Cable Tracer

Used as tracer and tester



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Multi-application, life is a good helper

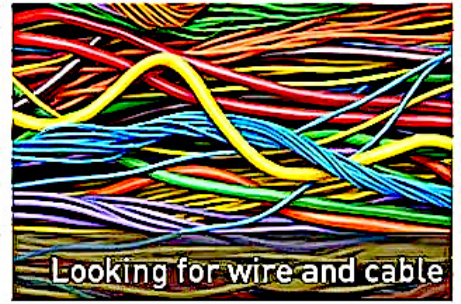
Used to find the network cable, looking for telephone lines, looking for wire and cable, Internet companies, engineering companies, telecommunications bureau, monitoring installation, electric power, etc.



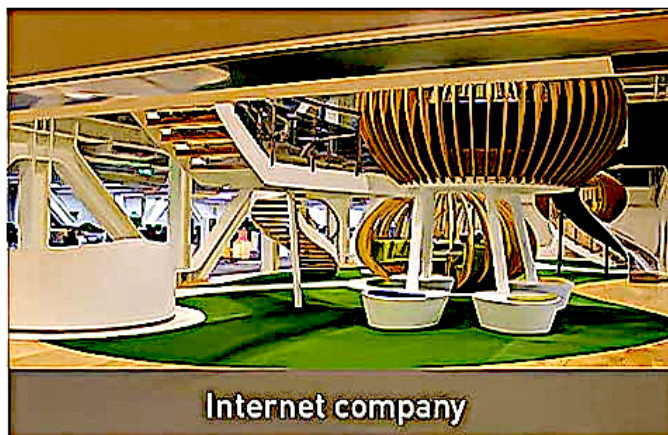
Looking for cable



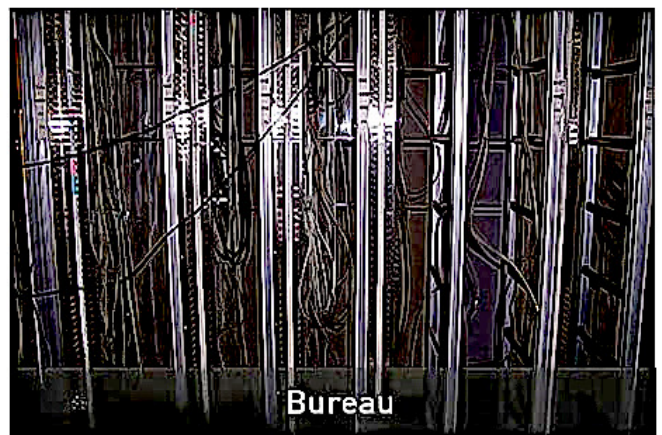
Looking for a telephone line



Looking for wire and cable



Internet company



Bureau

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Package Contents:

- 1 x ATZ NET-CBT-TRACER (Emitter and Receiver)
- 1 x Earphone
- 1 x RJ11 telephone cable
- 1 x Cable with jaw clamp
- 1 x RJ45 network cable

Warranty: 6 Months

Warranty is effective from the date of original delivery.

This warranty shall be void if a serial number has been removed from the product.