

△ General Description

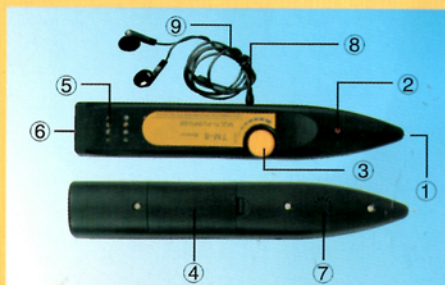
On the basis of a long-term experience of practice and as a scientific breakthrough, the model of the wire tracker is a all-purpose apparatus using for verifying communication cable which adopts an unique design for data transmission. And this celerity and precise mouse has three functions including finding cable and verifying cable as well as testing the status of the circuit, which is really a applied tool for technician to fix communication cable. And it can be used for telephone system and computer networks and relative site involving metal cable.

△ The name of the parts



- ① RJ-11 jack
- ② RJ-45 jack
- ③ Wire finding LED
- ④ Power LED
- ⑤ Power checking
- ⑥ Power
- ⑦ Cover of battery

Transmitter unit



- ① Signal port
- ② Power LED
- ③ PWR-VOL
- ④ Cover of battery
- ⑤ Situation indicator
- ⑥ RJ-45 jack
- ⑦ Loudspeaker
- ⑧ Headphone port
- ⑨ Earphone

The parts of receiver

△ Port adapter

Connect directly

If the user cable port is RJ45 or RJ11, you can plug the pin into the RJ45 jack or RJ11 jack on the emitter directly when checking the cable.
If the user cable port is RJ45 pin, you can plug the double pin into the RJ45 Jack on the emitter and on the receiver directly when verifying the cable.

Connect via adapting line

A set of adapter lines packaged with this facility is for connecting between this facility and the user cable circuit.

The adapter cable of crocodile-like clip

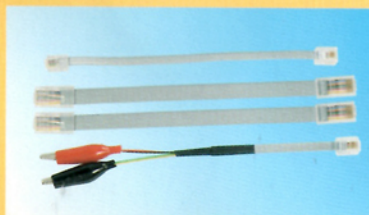
Two gleam of crocodile shape adapter is used to clamp suitable nips realize the function checking a line.

RJ-11 adapter cable

The RJ11 or RJ45 jack on the emitter and receiver can be connected with the RJ11 telephone cable Jack of 2 pin/4 pin/6 pin etc. and the RJ45 jack on the receiver can be connected with the RJ-11 telephone cable jack of 2 pin/4 pin/6 pin or RJ45 jack.

RJ-45 adapting cable

The RJ45 jack on the emitter and receiver can be connected with the RJ45 computer network jack of 8 pin through the RJ45 adapter cable.



Port adapter cable

The adapter cable of crocodile-like clip, RJ-11 adapter cable, RJ-45 adapting cable

The function of checking cables

This "CABLE TESTER" will help you to check and find the twin cables in need among so many cables in no time.

Plug one port of the cable testing (such as the port of extension line or the port of computer network cable) into the RJ45 jack or RJ11 jackson the emitter (or via the adapter cable), and move the switch on the emitter to the "SCAN" position. It shows a normal work if the "status" LED flashes.

Push to test on the receiver and the "Power" LED flashes, then detect the sound "toot" from the speaker on the receiver around another port of the cable testing (such as cable layout shelf of telephone system, junction box, and Hub port of computer).

Then compare the volume of the "toot" sound, the twin cables which makes the highest sound of "toot" are the one to be found.



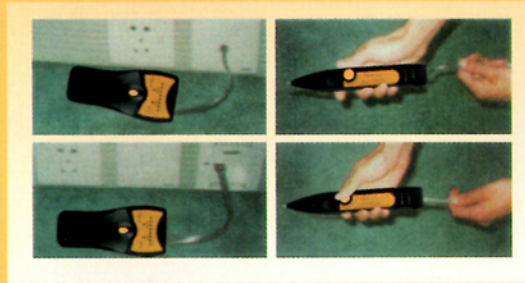
The function of verifying cables

With the verifying function of the "CABLE CHECKER" it will be very fast to test the basic physical connecting feature of open and short and cable sequence status on the cables below:

- ① the UTP computer network cable which adopts the standard of 10 Base-t EIA/TIA 568A, EIA/TIA 568B, AT&T258A, Token Ring,
- ② the telephone cable of 2 pin/4 pin,
- ③ other metal connecting cable.

Plug one port of the cable testing into the RJ45 jack on the emitter (or connect them with cable adapter). Move the function switch on the emitter to the "TEST" position, it shows a normal work when the "VERIFY" LED flashes.

Connect another port of the cable testing with the RJ45 jack on thereceiver (or connect them with cable adapter).The status of good and NG of the cable circuit can be judged by the 4 indicator light on the emitter or on the receiver of cable status (as the illustrator in the table: 1,2,3,4,5,6,7,8).



The comparison table between the cable standard and the indicator light of status

Cable standard		Indicator light of status							
		1	2	3	4	5	6	7	8
Computer network cable	IEEE 10Base-T	●	●	●	○	○	●	○	○
	EIA/TIA 568A	●	●	●	●	●	●	●	●
	EIA/TIA 568B	●	●	●	●	●	●	●	●
	AT&T 258A	●	●	●	●	●	●	●	●
	TokenRing	○	○	●	●	●	●	○	○
Telephone cable	2 Pin	○	○	○	●	●	○	○	○
	4 Pin	○	○	●	●	●	●	○	○
Other metal connection cable		Decided by its detail situation							

Circuitry status testing

The circuitry status testing functions of “CABLE CHECKER” can determine the basic natures of testing circuit.The testing task can be complete only via the emitter,rather than receiver.Please insert one port of crocodile clipshaped adapter cable into the RJ11 socket of the emitter then let the testing circuit help tightly by the red-black cable clip located in other end of the adapter.

Low voltage alarm function

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

Precaution

- Don't let exposure of this facility under the sun.
- Don't put this facility at the place with dust&humidity or high temperature (over 40°C).
- Be sure to use the battery with specification. or else it will damage the facility.
- Please don't dismantle this facility randomly, the fixing work belongs to the maintenance man.
- Please take out the battery in the receiver and emitter when the facility can't time.
- Be sure ont to detect the electriferous power circuit(such as 220V power-supplying cable), or else it will damage this facility as well as be danger to preson.
- Be sure not to make an operation of communication cable when it rains with thunder to prevent lightning strike and ensure lire safety.

Specification of product

Item	Specification	
Product name	Wire tracker	
Power supply	DC,9V battery	
The max working current	Emitter	≤20mA
	Receiver	≤150mA
Signal transmission format	Multi-frequency impulse	
Signal output electric status	8Vp-p	
Distance of signal transmission	≥3km	
Appearance dimension	Emitter	130X60X33MM
	Receiver	210X35X25MM
	Whole set	238X135X40MM
Weight	Emitter	0.1kg
	Receiver	0.11kg
	Whole set	0.04kg

The list of package

1. Emitter	1 piece	6. Cable with crocodile clamp	1 piece
2. Receiver	1 piece	7. RJ45 network cable	1 piece
3. 9Vbattery	2 pieces	8. Instruction manual	1 piece
4. Earphone	1 piece	9. Blister	1 piece
5. RJ11 telephone cable	1 piece	10. Color box	1 piece