# INSTRUCTION MANUAL

## Wire Tracker

NF-801B

NF-801R

**ORIGINAL AUTHENTIC**

*Patented products, Counterfeiting not allowed*
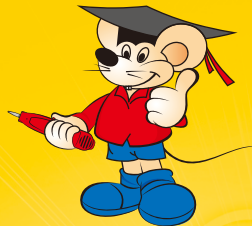
*Your excellent helper in cable test!*

*VER: V2*
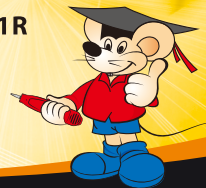
# Contents

## interfaces and functions

*Find wire on all types of connected operating Ethernet switch/Router/PC terminal(≤48V)*

### Parts of emitter          Parts of receiver

Wire finding indicator

Wire sequence indicator

Function switchover button

DIP switch

Testing indicator

Probe

Signal indicator

Inching button

Wire sequence indicator

RJ11 socket

RJ45 socket

Earphone jack

Spotlight switch

Volume

## Telephone cable tracing function



1. Directly insert telephone wire with RJ11 plug into the RJ11 socket of emitter;
（Note: Never put energized telephone cable into RJ45 port, in fear of burnout to the tester）
2. Push DIP switch of emitter to position of "SCAN" then wire finding indicator "STATUS" flashes, which means normal work of emitter;
3. Press 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.

Rapidly find the target wire from among plenty of
**telephone wires**

**CASE I**

Find wire on switch



Connect emitter with the telephone line to be found

Trace cable with receiver at the other end

**CASE II**

Find wire on patch panel



Connect emitter with the telephone line to be found

Trace cable with receiver at the other end

## Network cable tracing function



1. Directly insert network cable into the RJ45 port of emitter;
2. Push DIP switch of emitter to position of "SCAN" then wire finding indicator "STATUS" flashes which means normal work of emitter;
3. Press 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.

Rapidly find the target wire from among plenty of
**network wires**

**CASE I**

Find wire on router



Connect emitter with the network cable to be found

Trace cable with receiver at the other end

**CASE II**

Find wire on net bar



Connect emitter with the network cable to be found

Trace cable with receiver at the other end

## Electric wire tracing function



1. Directly insert RJ11 of crococile clip into RJ11 port of emitter, connect telephone line with the clamp.
2. Push DIP switch of emitter to position of "SCAN" then wire finding indicator "STATUS" flashes which means normal work of emitter.
3. Press 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.

Rapidly find the target wire from among plenty of
## network wires

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



Connect emitter with electric wire to be found

No need electric machine to drill !



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

## Network wire Collation function

1. Insert the two ends of the network wire into RJ45 port 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 18 indicators, 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.



Network wire
sequence collation

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

Support direct wire collation of operating switch

Replace the above tester in cabling

It can take place of cable tester

It can rapidly test open circuit/short circuit and crossing through the 18 status indicators. which is accurate and clear.

## Other function

### Open or Short circuit test Function

Please turn the button to the "TEST" position and press the "SWITCH" button for 2 seconds of the Emitter, then the "VERIFY" keep lighting use the common clips insert to the RJ11 Port, and clamp the clips to the two side of the wire. If the condition is short, the "STATUS" light of the emitter will turns red. The impedance of the wire can be showed by the degree of status light, the more bright light the less impedance.

### DC level testing function

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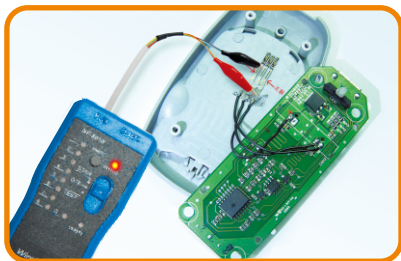
test positive and negative pole of DC electric level

### Low voltage alarm function

Push DIP switch on emitter to position of "SCAN", if the that battery level is lower than 6.0V, "STATUS" and "VERIFY" indicators will light up at the same time, it indicates to have new battery.

### Earphone function

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

### Volume adjusting funcction

While tracing cable, volume can be adjusted for moderate level of sound.

### Spotlight function

You can easily work as usual with backlight at night and in dark.

### Energy-saving

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

### Accessories

RJ11 adapter cable    Crocodile clip    RJ45 adapter cable    Earphone    9V  battery

## Applicable users

Telecom bureau/net bar/telecom engineering companies / network engineering companies/power supply/ army and other departments requiring wire.

## Applicable scope

Wire engineering of telecom, network and regular maintenance work; network line engineering of computer; other wire engineering and maintenance.

## Specification of product

| Item | Specification | |
|---|---|---|
| Product name | Wire tracker | |
| Power supply | DC, 9V battery | |
| The max working current | Emitter | ≤10mA |
| | Receiver | ≤30mA |
| Signal transmission format | Multi-frequency impulse | |
| Signal output electric status | 8Vp-p | |
| Distance of signal transmission | ≤2km | |
| Appearance dimension | Emitter | 126×49×34,mm |
| | Receiver | 175×42×27,mm |
| | Whole set | 270×165×45,mm |
| Weight | Emitter | 0.060kg |
| | Receiver | 0.072kg |
| | Whole set | 0.420kg |

## The list of package

| | | | |
|---|---|---|---|
| 1. Emitter | 1 piece | 6. Cable with crocodile clamp | 1 piece |
| 2. Receiver | 1 piece | 7. RJ45 adaptor cable | 1 piece |
| 3. 9V battery | 2 pieces | 8. Instruction manual | 1 piece |
| 4. Earphone | 1 piece | 9. Toolkit | 1 piece |
| 5. RJ11 adaptor cable | 1 piece | 10. Color box | 1 piece |

## Diagram of series products



NF-868



NF-268



NF-8601



NF-806B



NF-800



NF-816



NF-468L



NF-820



NF-2100



NF-708



NF-905



NF-911