

**NF-811**

*Your excellent helper in cable test!*

# Wire Tracker

## INSTRUCTION MANUAL



**ORIGINAL  
AUTHENTIC**

*Patented products  
Counterfeiting not allowed*



VER: V1

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### 1. Overview

NF-811 is a new wire tracker ,which consist of a transmitter and receiver. It can be used to trace Network cable and Telephone cable ,and identify cable's continuity qualick. It's an ideal netowork tool for the person who work with communication and intergrated wiring

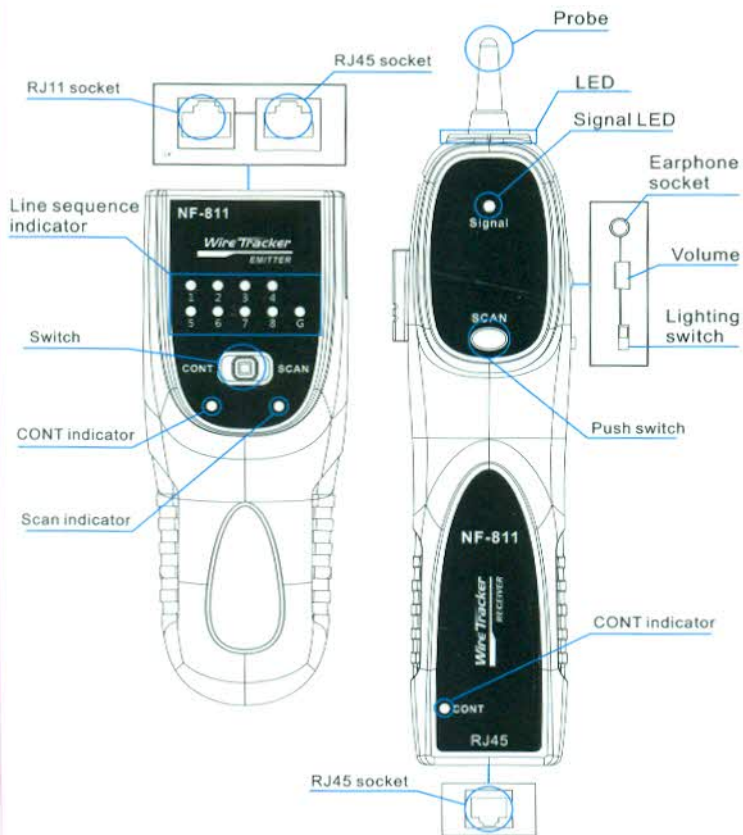
### 2. Product feathures

1. Tracing nework & telephone line cable.
2. Check network cable continuity.
3. Identify telephone cable condition & polarity.
4. Power system: DC9V battery.

### 3. Product introduction

- 1) Transmitter: Tone generator
  - a. RJ45 and RJ11 standard modular jack
  - b. 3-position mode switch (OFF, CONT and SCAN).
  - c. 2-led displays (CONT, TONE)1~8, G Led.
- 2) Receiver: Amplifier probe
  - a. Use the Amplifier and tone gernerator set to quickly and accurately trace and identify wires or cables, even when in a bundle.
  - b. Adjust volume level (0~8) for various work environments.
  - c. Plug receptacle for earphone.
  - d. Signal LED.

## 4. Interfaces:



## 5. Operation Instruction:

### Cable Tracing function(eg : Network cable)

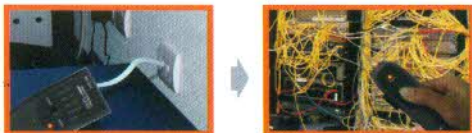
1. The tested cable should insert into the RJ45 port with the transmitter;
2. Put the button to "SCAN " position on the main tester , if the scan indicator lights up, that means the battery power is properly;
3. Press the "SCAN" button on the receiver , and trace the connected cable on the main tester If the voice is not hear clearly , should adjust the volume from 1-8.
4. During the testing , if you can't find the target cable easily , please insert the earphone and separate the surrounding lines because they are too close to each other and there will be signal interference that prevents you from finding the target cable;
5. When you work in noisy or dark environments , you can turn on the switch on the right of the receiver.

**Caution :** Never connect live circuit ( $>60V$  DC)to the RJ11 or RJ45 port avoid burn out the device !



*Rapidly find the target wire from  
among plenty*

CASE 1 Trace cable in the computer room



CASE 2 Trace electricity cable



CASE 3 Trace cable on the router



CASE 4 Trace cable in the Net-bar



## 6. Wire mapping for Network Cable:

### Test result:

1. Connect the tested network cable into "RJ45" port on the main tester and receiver;
2. Adjust the button to "CONT" position, the indicator led is flashing all the time.
3. If the cable ( UTP ) is normal, 1-8 led will lights up; if the cable is STP, 1-G led will lights up.



**Remark :** According to the test result , this device can't check the cable status Cross and Short.

## 7. Telephone Line Condition & Polarity Test:

1. Turn on the button to "SCAN" position , connect your telephone cable into RJ11 port on the emitter;
2. The SCAN LED will indicate the line condition as GREEN/RED LIGHTING = CLEAR ,FLICKERING GREEN / RED O= BUSY , OR FF ( NO LIGHT ) = RINGING;



### Polarity Test:

1. Turn on the button to " OFF" position ( middle of the CONT and SCAN );
2. Insert the Crocodile clips cable into RJ11 port of the main tester, then connect the tested cable with the red and black clips separately;
3. The test result:  
RED LIGHTING = POSITIVE ( Red clip connected cable is positive if SCAN light flashing )

GREEN LIGHTING = NEGATIVE ( Red clip connected cable is negative if SCAN light flashing )



RED LIGHTING = POSITIVE



GREEN LIGHTING = NEGATIVE

## 8. Package content

|                 |      |                |      |
|-----------------|------|----------------|------|
| Amplifier probe | 1PCS | Tone generator | 1PCS |
| Cover           | 1PCS | User manual    | 1PCS |
| Earphone        | 1PCS | Color box      | 1PCS |
| Wiring          | 3PCS | DC 9V battery  | 2PCS |

### Accessories



RJ11 adapter cable

Crocodile clip

RJ45 adapter cable

Earphone

9V battery

## 9. Technical parameters:

|                                   |                               |
|-----------------------------------|-------------------------------|
| NF-811 Transmitter specifications |                               |
| Tone frequency                    | 200Hz                         |
| Max. distance of transmission     | 2 kilometers                  |
| Max. working current              | 30 mA                         |
| Volume Regulate Function          | Audio volume level control    |
| Compatible connectors             | RJ11, RJ45                    |
| Max. signal voltage               | 8Vp-p                         |
| LED lights display                | Wiremap, tone, tracing        |
| Voltage protection                | DC 60V                        |
| Battery Type                      | DC9.0V (NEDA 1604/6F22) x 1pc |
| Dimensions (LxWxD)                | 130 * 47* 35 mm               |
| NF-811 Receiver specifications    |                               |
| Frequency                         | 200kHz                        |
| The Max. working current          | 80 mA                         |
| Earphone jack                     | 1                             |
| Battery Type                      | DC9.0V (NEDA 1604/6F22) x1pc  |
| Dimensions (LxWxD)                | 180 * 45* 30 mm               |
| Total weight                      | 113g                          |

## Diagram of Series Products



NF-868



NF-268



NF-8601



NF-806B



NF-800



NF-820



NF-468L



NF-300



NF-2100



NF-708



NF-905



NF-911



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