



*Your excellent helper in cable test!*

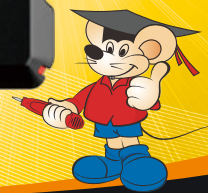
**NOYAPA**®

*Your excellent helper in cable test!*

**NF-808**

# Multifunctional Digital Cable Tester

## User Manual



**ORIGINAL  
AUTHENTIC**  
*Patented products,  
Counterfeiting not allowed!*

VER: V2



Please read the manual carefully before operating this unit.

- ⚠ Both Transmitter and Receiver were powered by Lithium Battery.
- ⚠ Don't put the device in dusty, wet or hot (above 40 °C ) place.
- ⚠ Don't disassemble、 maintenance the device without profession knowledge.
- ⚠ Pls don't use the device for telecommunication in thunderstorm to keep safe.

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## Product Buttons and Interfaces

NF-808 Cable Tester, used for maintenance and repair of electric circuits in home or public facilities. Its transmitter mainly has the functions of Continuity testing, cable scan, QC testing and connectivity testing. Its receiver has the functions of anti-jamming cable scan, common cable scan, NCV and lighting.



## Product Instructions

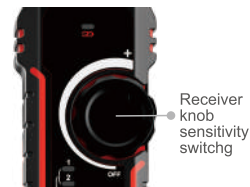
### 1. Switch On / Off

#### Transmitter:

Long-press the "⏻" button for 2 seconds to start the transmitter. After starting, enter the anti-jamming cable scan mode by default. Likewise, Long-press the "⏻" button for 2 seconds to switch the transmitter off.

#### Receiver:

- ① Turn the receiver knob clockwise, the receiver is switched on when hearing a "click".
- ② Turn the receiver knob counterclockwise, the receiver is switched off when hearing a "click".



### 2. cable scan function

Short-press the "DIGITAL" button of the transmitter to enter the anti-jamming cable scan mode.

Short-press the "ANALOG" button of the transmitter to enter the common cable scan mode.

- ① After selecting the mode, connect the network cable to be tested to the "cable scan /Continuity testing" interface at the top of the transmitter. (The telephone cable should be inserted into the RJ11 interface at the top)
- ② Turn the receiver knob clockwise to start the receiver, and adjust the sensitivity of the received signal to the maximum, and let the receiver probe to get close to the cable. When receiving the signal, the receiver sends out a "beep" sound, and the cable sequence lamps of the receiver light up to indicate the signal intensity. The stronger the received signal, the louder the sound and the more lamps are lit up. By this way, quickly locate the approximate bearing of the cable.

- ③ After determining the approximate bearing of the cable, reduce the sensitivity of the signal received by the receiver to accurately locate the target cable.
- ④ After the cable scan for the network cable is finished, the target cable can be directly inserted into the RJ45 interface at the bottom of the receiver for testing, and no switching is needed for the transmitter.

**Receiver:** by default, enter anti-jamming cable scan mode after starting. Mode switching is carried out by short-pressing. If the button indicator lamp lights up in a constant manner, the receiver is in anti-jamming cable scan mode; if the button indicator lights up in a flickering manner, the receiver is in the common cable scan mode.

**Note:** If the receiver carries out the Continuity testing in the switch-on state, the cable sequence lamp is lit up green to indicate the Continuity testing result, and red to indicate the intensity of the received signal. If the transmitter and receiver are not in the same mode, there will be no noise when scanning the cable.

### 3. Continuity testing function

Short-press the "CONT" button to start this function, and initially it is in the slow Continuity testing mode.

**Fast/Slow switching:** short-press the "CONT" button in the Continuity testing mode to carry out the Fast/Slow switching. The Continuity testing icon displayed on the screen will also change.

The Continuity testing is mainly used to detect the cable sequence, short circuit, open circuit and crossing of the network cable, and the results are displayed through the cable sequence lamp.

- ① **Transmitter + receiver Continuity testing:** insert one end of the cable to be tested into the transmitter RJ45 interface and the other end into the receiver RJ45 interface so as to judge the cable situation through the cable sequence lamp.



**Good connection:** the Continuity testing lamps of the transmitter and the receiver flash correspondingly in green one by one.

Transmitter:1-2-3-4-5-6-7-8

Receivers:1-2-3-4-5-6-7-8

**Short circuit:** Take the short circuit of lamps 2 and 5 as an example. When the cable sequence lamps 2 and 5 light up, the receiver lamps 2 and 5 light up at the same time but its brightness is darker.

Transmitter:1-2-3-4-5-6-7-8

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Receivers:1-2-3-4-5-6-7-8

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**Open circuit:** Take the open circuit of lamp 2 as an example. When the cable sequence lamp 2 lights up, neither the transmitter nor the receiver lights up.

Transmitter:1-X-3-4-5-6-7-8

Receivers:1-X-3-4-5-6-7-8

**Crossing:** Take the crossing of lamps 2 and 5 as an example. When the cable sequence lamp lights up, the receiver lamp 5 lights up.

Transmitter:1-2-3-4-5-6-7-8

Receivers:1-5-3-4-2-6-7-8

#### ② Continuity testing of this transmitter

Insert one end of the network cable to be tested into the cable scan/Continuity testing interface at the top of the transmitter, and the other end into the REMOTE interface on the side, and judge the cable situation through the cable sequence lamp:



**Good connection:** the Continuity testing lamps and the REMOTE lamps of the transmitter flash correspondingly in green one by one.

The Continuity testing lamps of the transmitter: 1-2-3-4-5-6-7-8

The REMOTE lamps of the transmitter: 1-2-3-4-5-6-7-8

**Short circuit:** Take the short circuit of lamps 2 and 5 as an example. When the Continuity testing lamps 2 and 5 of the transmitter light up, the REMOTE Continuity testing lamps 2 and 5 light up at the same time, but the brightness is darker.

The Continuity testing lamps of the transmitter: 1-2-3-4-5-6-7-8

The REMOTE lamps of the transmitter: 1-2-3-4-5-6-7-8

The Continuity testing lamps of the transmitter: 1-2-3-4-5-6-7-8

The REMOTE lamps of the transmitter: 1-2-3-4-5-6-7-8

**Open circuit:** Take the open circuit of lamp 2 as an example. When the Continuity testing lamp of the transmitter lights up, both the transmitter Continuity testing lamps and the REMOTE Continuity testing lamps don't light up.

The Continuity testing lamps of the transmitter: 1-X-3-4-5-6-7-8

The REMOTE lamps of the transmitter: 1-X-3-4-5-6-7-8

**Crossing:** Take the crossing of lamps 2 and 5 as an example. When the Continuity testing lamp 2 of the transmitter lights up, the REMOTE Continuity testing lamp 5 lights up.

The Continuity testing lamps of the transmitter: 1-2-3-4-5-6-7-8

The REMOTE lamps of the transmitter: 1-5-3-4-2-6-7-8

## Continuity testing for the switch router:

It is mainly used to detect the connection and disconnection of the network cables. Insert one end of the network cable into the Continuity testing /tracing interface at the top of the transmitter, and the other end into the switch or router. If the tested 8-cable network cable or the pin port of the equipment is in normal condition, the indicator lamps 1-2-3-4-5-6-7-8 will light up one by one. If the 2nd cable of the network cable is broken, the indicator lamps 1-3-4-5-6-7-8 will light up.

**Note:** This method can also be applicable to the Continuity testing of POE switches. But the quality of POE switches of various brands in the market is different, it is not suitable for this test method if the POE/ POE module/POE power supply is sub-standard.

## 4. Connection test of POE power supply cables

One end of the network cable is inserted into the RJ45 interface at the bottom of the receiver and the other end into the working POE switch. The test results are as follows:

※ If lamps 1/2 or 3/6 in the test light up, it is indicated that the power supply mode of this POE switch is the terminal bridging connection (1/2- or 3/6-cables power supply).

※ If lamps 4/5 or 7/8 in the test light up, it is indicated that the power supply mode of this POE switch is the intermediate bridging connection (4/5 or 7/8 cables power supply).

※ If lamps 1/2 or 3/6+4/5 or 7/8 in the test light up, it is indicated that the power supply mode of this POE switch is 8-cable power supply.

**Note:** In the above description, the pin cable with a lamp lighting up is positive.

## 5. QC testing function

Short-press the transmitter "QC" to enter the QC testing mode.

Insert one end of the network cable or telephone cable into the QC testing interface on the side of transmitter, and the other end is not connected to anything. The device can automatically identify and indicate the currently detected pressure connecting of the network cable connector. If the QC testing indicator lights up, it is indicated that the pressure connecting of the corresponding cable contained in the network cable is in good condition; If the cable pressure indicator doesn't light up, it is indicated that the pressing connection of the corresponding cable is abnormal. For example:

### Network cable:

- ① Being in good condition: the result of transmitter QC testing is shown as: **1 2 3 4 5 6 7 8**
- ② Take the bad pressure connecting of cable 2 as an example. The result of transmitter QC testing are as follows: **1 ● 3 4 5 6 7 8**

### Telephone cable:

- ① 6P6C is in good condition: **● 2 3 4 5 6 7 ●**
- ② 6P4C is in good condition: **● ● 3 4 5 6 ● ●**  
6P2C is in good condition: **● ● ● 4 5 ● ● ●**

**Note:** the QC testing function is mainly used to detect whether the connection of the network cable connector is normal, but it cannot judge whether the cable sequence is correct. If it is necessary to test the cable sequence, apply the Continuity testing function for the testing.

## 6. Connection function

In any mode, press the "SHORT" button to start the connectivity test function.

Insert the connector of the connection cable with two alligator clips into RJ11 interface, and the two alligator clips respectively clamp the two ends of the cable to be tested. If the cable is properly connected, the connectivity indicator lights up, and the brightness of the indicator will change with the degree of impedance on the cable. The brighter the indicator, the smaller the impedance.



**Note:** Do not connect to high-voltage cables for testing, otherwise the device will be damaged.

## 7. NCV

Short-press the "NCV" button of the receiver to enter the NCV test mode, and the NCV indicator lights up. Let the receiver probe get close to the cable or socket or other probed parts. If 40V AC is found, the receiver will send out the "beep" sound.

**Note:** The chargers usually belong to the switching power supply through voltage transforming and frequency converting, the recharging cable is coupled with high-frequency AC voltage signal, so it is normal that the AC voltage can be detected at the time! In addition, it is normal that the buzzer gives an alarming when the probe is approaching the power transformers, induction cookers, etc.

## 8. Lighting

Short-press the "Lamp" button of the receiver to turn on the LED flashlight of the receiver, and short-press the button again to turn it off.

## 9. Headphone of the receiver

**The function of the headphone:** when carrying out the testing in noisy environment, put on the headphone for operating to avoid external interference.

## 10. Low battery prompting and recharging

- ① Low battery prompting function: when the battery power is low, the power supply indicator of the receiver flashes for prompting (or it will send out a "click" sound all the time after being turned on); and the power supply indicator of the transmitter flashes. When the above phenomena occur, please recharge it in time.
- ② Indicating the status of the Type-C USB recharging function: when recharging, the power supply indicator lights up, and after recharging in full, the indicator goes out.

## Product Parameters

Model of Product	NF-808		
Voltage withstanding of the interface	60V		
Charging mode	Type-C recharging		
Continuity testing after cable scan	Yes		
Applicable network cable	CAT5 CAT6		
Auto power-off	Yes (30 minutes)		
Cable scan function	Anti-jamming cable scan/common cable scan dual mode		
Transmitter	Continuity testing function	Connection/disconnection/short circuit/crossing	
		Switcher Continuity testing	
		Local Continuity testing	
		Slow Continuity testing	
		Wire shielded/unshielded indication	
	Connectivity test	Yes (when connected, the red lamp lights up)	
	QC testing	Yes (The shortest identified length $\geq 10\text{cm}$ )	
	Low battery prompting	Power supply indicator flashes in the circumstances of below $3.5\text{V} \pm 0.1\text{V}$	
Power supply battery	3.7V 1500mAh polymer lithium battery		
Appearance and Dimension	133×69×32mm		
Receiver	Sensitivity regulating	Yes	
	NCV function	Yes	
	Flashlight	Yes	
	Headphone jack	Yes	
	Continuity testing function	Yes	
	PoE power supply cables connection method	Yes	
	Low voltage prompting	Yes	
	Power supply battery	3.7V 1400mAh polymer lithium battery	
	Appearance and Dimension	198×50×32mm	

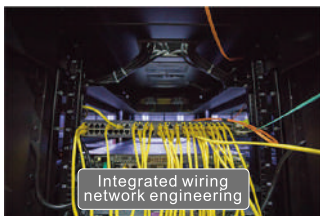
# Application Field of Products

## 1. Objects to which the product is applied

Weak current projects and cables maintenance relating to telecommunications bureaus/Internet cafes/telecom engineering companies, network engineering companies/electric power units, and other departments with the need of metal wire.

## 2. Product application field

Telecommunication network cable engineering and routine maintenance work; computer network cable engineering; Other metal conductor cable engineering and maintenance work.





设计	品名	样式	印刷要求
CZG	NF-808说明书骑马订英文-V2 20230906	骑马订	彩色
日期	品号	页码	
2023.09.06		16P	
样品	尺寸	材质	
	210×145mm	128g铜版纸	
变更记录	V2较V1版本,修改了按键颜色		