Network Cable Tester
User Manual

Your excellent helper in cable test!

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Counterfeiting not allowed!

VER : V1

⚠ Before using or maintaining this equipment, please read and understand the safety precautions.

✪ Both the transmitter and receiver of this device are powered by 9V batteries.

✪ Do not place this device in dusty, damp, or high-temperature (above 40°C) areas.

✪ Do not disassemble or attempt maintenance on this device; such tasks should be performed by professional personnel.

✪ When the device is not in use for an extended period, please remove the batteries to prevent leakage and damage.

✪ Do not perform any operations related to communication lines during thunderstorms to avoid lightning strikes and ensure personal safety.

FEATURES

1. Capable of cable scan with load on gigabit switch, interference-resistant with no noise.
2. Direct pairing testing during cable scan, simple and efficient.
3. Overload protection design, withstands voltage up to 100V.

MENU

Button and Interface Explanation

Main Functions: Cable Tracing Test, Pairing Test, Open/Short Circuit Test, Battery Polarity Test, NCV Function, Illumination Function, Low Battery Reminder, and other testing functions.

RJ45 port
SCAN/CONT

RJ11 port
SCAN

Probe

Cable Continuity Light
NCV Indicator Light

CONT
RJ45 port

Cable scan Indicator Light

Pairing Indicator Light

Power On/Off Button

Cable Continuity Light

Pairing Indicator Light

Sensitivity Adjuster
Signal

Power On/Off Button
ON OFF

Function Switch Button

Function Switch Button

NOYAFA
SCAN
CONT
NF-812
Network Cable Tester

NOYAFA
SCAN
NCV
Network Cable Tester
NF-812

Transmitter   Receiver

Product Usage Instructions

Power On/Off

1. Transmitter:

Switch the key upwards , The device powers on, with the line tracing indicator light illuminated continuously;

Switch the key downwards , The device powers on, with the pairing indicator light illuminated continuously.

Switch the key to the middle position , The device powers off.

2. Receiver:

Switch the key upwards , The device powers on with illumination;

Switch the key to the middle position , The device powers on.

Switch the key downwards , The device powers off.

Cable scan Function

Efficiently and quickly locate the target cable from numerous messy cables, complex circuits, and switches.

1. Insert the target cable into the RJ45 or RJ11 port at the top of the transmitter. Turn the transmitter switch to the tracing position, and the cable scan indicator light turns green.

2. Turn on the receiver, adjust the sensitivity knob to adjust the sensitivity, and use the probe to approach the target cable for detection. When a signal is received, the receiver will emit a "beep-beep-beep" sound, and the sequence light will turn red (the stronger the signal, the more lights will be illuminated), thus locating the target cable.

Product Highlights:

During cable scan, inserting the target cable into the receiver's RJ45 port allows for direct pairing without operating the main unit.

Cable scan Tips:

Initially set the sensitivity to the maximum to locate the approximate range, then reduce the sensitivity for precise positioning of the target cable.

Cable Continuity

Used to detect the wire sequence, continuity, discontinuity, crossover, short circuit, and other conditions of network cables/telephone cable.

1. Insert one end of the cable to be tested into the RJ45 port of the transmitter and the other end into the RJ45 port of the receiver.

2. Turn the transmitter switch to the pairing position. The line indicator light turns green, and the test results are as follows:

　① **Continuity:** The Continuity lights of the transmitter and receiver correspondingly flash green one by one.

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

　② **Crossover:** Taking 2 and 5 as an example, when the transmitter's line indicator light is on 2, the receiver's light is on 5. When the transmitter's light is on 5, the receiver's light is on 2.

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

③ **Discontinuity:** Taking 2 as an example, the indicator light for wire 2 does not illuminate, while the other indicator lights flash normally.

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

④ **Short Circuit:** Taking 2 and 5 as an example, when the transmitter's line indicator light is on 2 or 5, the receiver's 2 and 5 lights are on simultaneously but with dim brightness.

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

Note: In continuity mode of the transmitter, a short press of the switch button 🔄 can switch between fast pairing and slow pairing.

Open/Short Circuit Testing

In transmitter's pairing mode, long press the switch button 🔄 to enter the open/short circuit testing mode. The pairing indicator light (green light) flashes.

Insert the alligator clip into the RJ11 port of the transmitter, clamp the two ends of the cable to be tested with the alligator clip. The test results are as follows:

① If the cable scan indicator light is not illuminated, then the cable being tested is open.

② If the cable scan light is illuminated in red, then the cable being tested is short-circuited.

Battery Polarity Testing (DC3~60V)

In transmitter's tracing mode, long press the switch button ⟳ to enter the battery polarity testing mode. The tracing indicator light (green light) flashes.

Insert the alligator clip into the RJ11 port of the transmitter, and use the red and black alligator clips to contact the two ends of the battery respectively. The test results are as follows:

① If the pairing indicator light is illuminated in red, then the red clip is the positive pole.

② If the pairing indicator light is illuminated in green, then the red clip is the negative pole.

POE Testing

Connect the PoE switch and the receiver's RJ45 port with a network cable. The receiver's pairing indicator light flashes, indicating that power is supplied to this core.

① If lights 12 or 36 flash, it indicates that cores 12 or 36 are powered, and the power supply method is end-spanning.

② If lights 45 or 78 flash, it indicates that cores 45 or 78 are powered, and the power supply method is mid-spanning.

③ If lights 12 or 36 flash along with lights 45 or 78, it indicates that the PoE switch supplies power in 8 cores.

④ If lights 1-8 on the receiver do not flash, it indicates that the switch is not a PoE switch or is not powered.

NCV

In receiver's tracing mode, long press the switch button ⟳ for 2 seconds to enter the NCV mode. The NCV indicator light turns green.

When AC power is detected, the buzzer will emit a "beep-beep-beep" sound, and the sequence indicator light will illuminate in red. The stronger the signal, the more lights will illuminate.

Light Function

Turn the switch of the receiver to the upper position ▤ to turn on the illumination light.When the illumination light is turned on, other functions remain unchanged.

Power Indicator

Transmitter:

The tracing indicator light alternates between red and green flashing, indicating low battery. Please replace the battery in time.

Receiver:

The tracing indicator light flashes continuously, indicating low battery. Please replace the battery in time.

Product Specification

Model NO.	NF-812		
Cable Scan	Digital Cable Scan		
Cable Continuity Test	Fast / Slow		
PoE Test	√		
Power Indicator	√		
Transmitter	Open/Short circuit testing	Scan tracing indicator not lit / Red light lit	
	Battery polarity testing	DC 3~60V	
	Auto shutdown	6.8±0.2V	
	Power supply	DC9V (exclusive)	
	Shutdown current	≦10uA	
	Max operating current	≦20mA	
	Transmitter size	130x52.8x28mm	
Receiver	NCV	√	
	LED Lighting	√	
	Power supply	DC9V (exclusive)	
	Shutdown current	≦10uA	
	Max operating current	≦150mA	
	Receiver size	174x46x28mm	

Packing Details

Transmitter	1pc	Color box	1pc
Receiver	1pc	RJ11 adaptor cable	1pc
User manual	1pc	RJ45 adaptor cable	1pc
Carry bag	1pc	Alligator clip adaptor	1pc
Qualification Certification	1pc		

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编号	201	202	301	302	303	304	305	比例:	1:1	品号:	304-D2201-0001
类目	塑胶件	五金类	镜片	PVC贴纸	不干胶贴	说明书	包装盒	单位:	mm		
选择						√		设计	CZG	品名:	NF-812说明书骑马订英文-V1 20240304
306	307	308	309	310	311	312	313	核准			
彩卡	吸塑	工具包	PE袋	纸箱	宣传单	合格证	打印标签	标准	√	文件类型:	做货文件
								定制:			

制作日期	2024.03.04	样式	骑马订	印刷材质	128g双铜纸
印刷要求	彩色	页码	12P	变更记录	
尺寸大小	140*105mm	版本	V1		