Wire Tracker User Manual

Model: NSHL-2020



⚠ WARNING / SAFETY INFORMATION

This device is suitable for testing and tracing network cables, telephone lines, standard POE lines up to 57V/60V, and all kinds of metal cables only under power-off state.
It is strictly forbidden to connect or test live 220V AC mains power, industrial high-voltage circuits and any live high-power lines directly, to avoid electric shock hazard and equipment burnout.

Do not expose the device to high temperature above 40°C, humid environment or strong electromagnetic interference.
Only use 1.5V AAA batteries. Do not mix old and new batteries or different types of batteries.
Keep the device and small accessories away from children under 3 years old to avoid choking risk.
Do not disassemble or modify the device without authorization.

1. Product Overview

NSHL-2020 wire tracker is a professional cable testing tool. It supports network cable sorting, telephone line testing and cable tracing. It can quickly locate target cables in complex wiring environments, widely used in network engineering, line maintenance and daily cable inspection.

2. Accessories List

- Transmitter × 1

- Receiver × 1
- RJ45 to RJ11 adapter cable × 1
- Alligator clip connecting wire × 1
- 1.5V AAA batteries

3. Operation Instructions

3.1 Network Cable Sequence Test

1. Insert one end of network cable into the RJ45 port of the transmitter.
2. Insert the other end into the RJ45 port of the receiver.
3. Press the TEST button on the transmitter.
4. If all 8 indicator lights light up in order, the cable is normal; if any light does not light up, the cable is broken or wrongly wired.

3.2 Cable Tracing Function

1. Insert the RJ11 plug of alligator clip wire into the transmitter RJ11 port.
2. Clamp the alligator clip to the target cable after power off.
3. Turn on the receiver and adjust sensitivity to maximum.
4. Move the receiver slowly along the cable bundle. The beep sound will become louder when approaching the target cable.
5. Reduce sensitivity for precise positioning.

3.3 Telephone Line Test

1. Connect one end of telephone line to the RJ11 port of transmitter.
2. Turn on the receiver and switch to SCAN mode.
3. Move the receiver along the telephone line. Continuous beep means the line is intact; intermittent or no beep means broken or short circuit.

4. Usage Restrictions

1. This tester supports 57V/60V standard POE low voltage detection, only applicable to power-off metal cables and non-live wires.
2. Prohibit direct detection of live 220V AC mains power and industrial high-voltage strong electricity.
3. Do not use in flammable, explosive, high temperature or severely humid environments.
4. The device is not waterproof, do not use in rainy days or long-term wet conditions.

5. Maintenance

1. Take out the batteries if not in use for a long time to prevent liquid leakage.
2. Clean with dry soft cloth, do not use alcohol or corrosive detergent.
3. Store in cool and dry place, avoid direct sunlight and strong magnetic field.

6. EU Compliance Information

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This product complies with EU safety regulations and relevant directives.