KELUSHI NF468

KELUSHI NF468 RJ45 RJ11 Network Cable Tester User Manual

Model: NF468

1. Introduction

The KELUSHI NF468 Network Cable Tester is a versatile tool designed for quickly checking the integrity of RJ45 and RJ11 cables. It features a visible LED status display to identify various cable faults such as continuity, open circuits, short circuits, and crossed wire pairs. This manual provides detailed instructions for the proper setup, operation, and maintenance of your device.

Package Contents:

- 1 x Emitter (Master Unit)
- 1 x Receiver (Remote Unit)
- 1 x Instruction Manual
- 1 x Retail Plastic Case

2. Safety Information

Please read and understand the following safety precautions before using the KELUSHI NF468 Network Cable Tester:

- **Do not connect to live high-voltage lines:** Connecting the tester to active high-voltage electrical circuits can cause severe damage to the device and pose a risk of electric shock.
- **Handle with care:** The device may contain sharp components. Store and operate the tester in a safe manner to prevent personal injury.
- **Use correct ports:** Always ensure that RJ45 cables are connected to RJ45 ports and RJ11 cables are connected to RJ11 ports. Incorrect port usage can damage the connectors or the device.
- **Read manual thoroughly:** Always read this user manual completely before operating the device to ensure correct usage and to prevent damage.

3. Product Overview

The KELUSHI NF468 consists of two main units: the Master unit (Emitter) and the Remote unit (Receiver). These units work together to test network and telephone cables.

Figure 3.1: KELUSHI NF468 Cable Tester with key components labeled. This image shows the Master unit and Remote unit, highlighting the RJ45 and RJ11 ports, the OFF/ON/S switch, and the Power indicator light.

Key Components:

- **Master Unit (Emitter):** The primary unit with control switch and LED indicators.
- **Remote Unit (Receiver):** The detachable unit used to test the far end of a cable.
- **RJ45 Ports:** For testing Ethernet (LAN) cables.
- **RJ11 Ports:** For testing telephone cables.
- **LED Indicators (1-8, G):** Display the status of individual wire pairs and ground connection.
- **OFF/ON/S Switch:** Controls power and test speed.
- **Power LED:** Indicates the device is powered on.

Figure 3.2: Detailed view of the RJ45 and RJ11 ports on both the Master and Remote units, illustrating the connection points for different cable types.

4. Setup

4.1 Battery Installation

The KELUSHI NF468 requires a 9V laminated battery for operation.

1. Separate the Master and Remote units if they are connected.
2. Locate the battery compartment cover on the back of the Master unit.
3. Slide or unclip the cover to open the compartment.
4. Insert a 9V laminated battery, ensuring correct polarity (+/-).
5. Replace the battery compartment cover securely.

Figure 4.1: The open battery compartment of the Master unit, illustrating where to insert the 9V laminated battery.

5. Operating Instructions

Follow these steps to test your RJ45 or RJ11 cables:

1. **Prepare the Tester:** Ensure a 9V battery is installed in the Master unit.
2. **Connect the Cable:**
    - For RJ45 cables: Plug one end of the cable into the RJ45 port on the Master unit and the other end into the RJ45 port on the Remote unit.
    - For RJ11 cables: Plug one end of the cable into the RJ11 port on the Master unit and the other end into the RJ11 port on the Remote unit.
3. **Power On:** Slide the OFF/ON/S switch on the Master unit to the "ON" position for normal test speed, or to the "S" position for slow test speed. The Power LED will illuminate.
4. **Observe LED Indicators:** The LEDs (1-8, G) on both the Master and Remote units will light up sequentially, indicating the status of each wire pair.
5. **Interpret Results:**
    - **Continuity:** If the cable is good, the LEDs on both units will light up in the same sequence (1-2-3-4-5-6-7-8-G).

- **Open Circuit:** If a wire is broken, the corresponding LED on the Remote unit will not light up.
- **Short Circuit:** If two or more wires are shorted, multiple LEDs will light up simultaneously or in an incorrect sequence.
- **Crossed Wires:** If wires are crossed, the LEDs on the Remote unit will light up in a different sequence than the Master unit. For example, if Master shows 1-2-3 and Remote shows 1-3-2, wires 2 and 3 are crossed.

6. **Power Off:** After testing, slide the switch to the "OFF" position to conserve battery life.

Figure 5.1: The KELUSHI NF468 Cable Tester in its compact, closed state, ready for storage or transport.

Figure 5.2: The Master and Remote units of the KELUSHI NF468 separated, demonstrating how they are used to test cables by connecting to opposite ends.

6. Specifications

Feature	Specification
Model	NF468
Cable Types Tested	RJ45 (8-pin), RJ11 (4-pin)
Power Source	9V Laminated Battery
Current Consumption	25mA
Dimensions (L x W x H)	Approximately 105mm x 105mm x 26mm (when combined)
Weight	Approximately 200g
Color	Black
Certifications	CE, REACH, RoHS

Feature	Specification
UPC	792551089459

Cable type	RJ-45,RJ-11
Power	9V laminated battery
Electricity	25mA
Size	10.5*10.5*2.6mm
Weight	200g

Figure 6.1: Visual representation of the KELUSHI NF468 dimensions and a summary of its key specifications.

7. Troubleshooting

If you encounter issues while using the KELUSHI NF468, refer to the following troubleshooting tips:

- **No Power/LEDs not lighting up:**
  - Check if the 9V battery is correctly installed and has sufficient charge. Replace the battery if necessary.
  - Ensure the OFF/ON/S switch is in the "ON" or "S" position.
- **Inconsistent or incorrect LED readings:**
  - Verify that the cable connectors are fully and securely inserted into the correct RJ45 or RJ11 ports on both the Master and Remote units.
  - Inspect the cable connectors for any bent pins or damage.
  - Test with a known good cable to confirm the tester is functioning correctly.

- **Remote unit not responding:**
  - Ensure the cable connecting the Master and Remote units is not excessively long or damaged, which could lead to signal degradation.
  - Confirm the Remote unit is properly connected to the cable.

8. Maintenance

Proper maintenance will extend the lifespan of your KELUSHI NF468 Network Cable Tester:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace the 9V battery when the Power LED dims or the tester exhibits inconsistent behavior. Remove the battery if the device will not be used for an extended period to prevent leakage.
- **Storage:** Store the tester in its retail plastic case or a similar protective container in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts.

Figure 8.1: A close-up view of the non-slip textured design on the side of the KELUSHI NF468, which aids in secure handling and durability.

9. Support

For any questions, technical assistance, or support regarding your KELUSHI NF468 Network Cable Tester, please contact the seller or manufacturer through the platform where the product was purchased. Refer to your purchase documentation for specific contact details.