

## EVTSCAN NS-468B

# EVTSCAN NS-468B Network Cable Tester User Manual

MODEL: NS-468B

Brand: EVTSCAN

## 1. PRODUCT OVERVIEW

The EVTSCAN NS-468B is a multifunction network cable tester designed for efficient testing of RJ45 and RJ11 cables. It features an ergonomic design and automatic scanning capabilities to quickly identify cable issues such as open circuits, short circuits, and miswires.

### 1.1 Key Features

- **Automatic Scanning:** Quickly tests cable connections, saving time and effort.
- **Ergonomic Design:** Streamlined shape for comfortable and convenient use.
- **Durable Construction:** Made from high-quality ABS material, resistant to drops and wear, suitable for on-site work.
- **Multifunction Testing:** Effectively tests both RJ45 (Ethernet) and RJ11 (telephone) cables.
- **Clear Indicators:** LED lights provide clear feedback on cable status.

### 1.2 Package Contents

- 1 x Network Cable Tester (Master Unit and Remote Unit)
- 1 x English User Manual
- 1 x Carrying Case
- 1 x Accessory (likely a BNC adapter, visible in images)

### 1.3 Product Components



Figure 1: EVTSCAN NS-468B Network Cable Tester, showing the master unit, remote unit, carrying case, and a BNC adapter.



Figure 2: The master and remote units of the NS-468B Network Cable Tester.

## 2. SAFETY INFORMATION

- Do not attempt to open or modify the device.
- Keep the device away from water and high humidity.
- Use only the specified DC 9V laminated battery.
- Remove the battery if the device will not be used for an extended period.
- Avoid dropping the device or subjecting it to strong impacts.

## 3. SETUP

### 3.1 Battery Installation

1. Locate the battery compartment on the back of the master unit.

2. Slide open the battery cover.
3. Insert a DC 9V laminated battery, ensuring correct polarity (+/-).
4. Close the battery cover securely.



Figure 3: Bottom view of the master unit, indicating the battery compartment.

## 4. OPERATING INSTRUCTIONS

### 4.1 Connecting Cables

1. Separate the master unit and the remote unit.
2. Connect one end of the network cable (RJ45 or RJ11) to the corresponding port on the master unit.
3. Connect the other end of the network cable to the corresponding port on the remote unit.
4. For testing installed cables, the remote unit can be left at the distant end of the cable run.



Figure 4: The master and remote units with RJ45 and RJ11 ports for cable connection.

## 4.2 Performing a Cable Test

1. Ensure the battery is installed and cables are connected as described in Section 4.1.
2. Turn on the power switch. The switch has three positions:
  - **OFF:** Power off.
  - **ON:** Normal test speed.
  - **S:** Slow test speed.
3. Observe the LED indicators on both the master and remote units. The LEDs will light up sequentially from 1 to 8, then G (Ground).
4. Interpret the results based on the LED patterns:
  - **Correct Connection:** LEDs on both units light up in the same sequence (1-2-3-4-5-6-7-8-G).
  - **Open Circuit:** If a specific LED on the remote unit does not light up while the corresponding LED on the master unit does, it indicates an open circuit (broken wire).

- **Short Circuit:** If two or more LEDs light up simultaneously on the remote unit, or if the remote unit's LEDs do not light up at all for a specific wire, it indicates a short circuit.
- **Miswire/Crossed Pair:** If the LEDs light up in a different sequence on the remote unit compared to the master unit, it indicates a miswire or crossed pair.

#### Example LED Sequence:

Master Tester: 1-2-3-4-5-6-7-8-G

Remote Tester (RJ45): 1-2-3-4-5-6-7-8-G

Remote Tester (RJ11): 1-2-3-4 (only 4 wires are typically used in RJ11)

## 5. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for a long period, remove the battery.
- **Battery Replacement:** Replace the 9V battery when the LED indicators become dim or the device fails to power on.

## 6. TROUBLESHOOTING

| Problem                                      | Possible Cause                                                           | Solution                                                                            |
|----------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Device does not power on.                    | Low or dead battery; incorrect battery installation.                     | Replace the 9V battery; ensure correct polarity.                                    |
| LEDs do not light up on remote unit.         | Cable is completely open or shorted; remote unit not connected properly. | Check cable for damage; ensure secure connection to remote unit.                    |
| Inconsistent LED patterns.                   | Miswire, open circuit, or short circuit in the cable.                    | Refer to Section 4.2 for LED pattern interpretation to identify the specific fault. |
| Tester operates slowly even on 'ON' setting. | Low battery.                                                             | Replace the 9V battery.                                                             |

## 7. SPECIFICATIONS

- **Item Type:** Network Cable Tester
- **Material:** ABS
- **Test Cables:** RJ45, RJ11
- **Power Supply:** DC 9V Laminated Battery (not included)
- **Power Consumption:** 25 mA

## 8. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty details, technical support, or service inquiries, please refer to the documentation included with your purchase or contact the retailer where the product was acquired. Please have your model number (NS-468B) and purchase information ready when contacting support. For additional information, you may visit the [EVTSCAN brand page on Amazon](#).

## ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

### Name

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### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question