

## Kurth Electronic KE7207 (0.49452-7)

# Kurth LAN Tester KE7207 Profi-Kit User Manual

Model: KE7207 (0.49452-7)

## 1. INTRODUCTION

The Kurth LAN Tester KE7207 Profi-Kit is a professional solution designed for comprehensive installation, troubleshooting, and documentation of various network types. This kit provides essential tools for verifying network cable integrity, identifying faults, and ensuring optimal performance of Ethernet and telecommunication lines. This manual provides detailed instructions for the proper use, maintenance, and care of your KE7207 Profi-Kit.

## 2. PRODUCT OVERVIEW

The KE7207 Profi-Kit includes the main KE7200 Ethernet performance tester, the KE720 Easytest unit, and a variety of essential accessories, all organized within a durable carrying case.



Figure 2.1: Contents of the Kurth LAN Tester KE7207 Profi-Kit. The image displays the main KE7200 unit, the smaller KE720 Easytest unit, various network cables (RJ-45, BNC, alligator clips), and four AA-sized batteries, all neatly arranged within a blue, foam-lined carrying case.

## 2.1 Main Components

- **KE7200 Ethernet Performance Tester:** The primary unit for advanced network testing, featuring a display, navigation buttons (ESC, SEL, arrow keys), and an ON-OFF button.
- **KE720 Easytest Unit:** A compact companion unit for basic line and data testing, with indicator LEDs for CONT, DATA, TONE, LINE TEST, REV, POL, and ALT functions.
- **Cables and Adapters:** Includes various cables such as RJ-45 patch cables, BNC adapters, and alligator clip leads for diverse connection requirements.
- **Batteries:** Four batteries are supplied to power the devices.
- **Carrying Case:** A robust blue case with custom foam inserts to protect and organize all kit components.

## 3. SETUP

### 3.1 Battery Installation

1. Locate the battery compartments on the rear of both the KE7200 and KE720 units.

2. Open the battery covers.
3. Insert the required batteries (4 for the KE7200, type not specified but typically AA or AAA) ensuring correct polarity (+/-).
4. Close the battery covers securely.

## 3.2 Initial Power On

Press the **ON-OFF** button on the KE7200 unit to power it on. The display will illuminate, and a self-test (SE Selbsttest) may run briefly, showing the software version (e.g., Version:1.47.0).

## 4. OPERATING INSTRUCTIONS

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The KE7207 Profi-Kit is designed for various network testing scenarios. Ensure proper cable connections for accurate results.

### 4.1 Basic Cable Testing (KE720 Easytest)

The KE720 Easytest unit is used for quick verification of cable continuity and wiring.

- **Line Test:** Connect the cable to be tested to the appropriate ports on both the KE7200 (or a remote unit) and the KE720. The LEDs (CONT, DATA, TONE) on the KE720 will indicate the status of each wire.
- **REV (Reverse):** Indicates if there is a reversed pair in the cable.
- **POL (Polarity):** Checks the polarity of the line.
- **ALT (Alternating):** Used for specific alternating current tests.

### 4.2 Ethernet Performance Testing (KE7200)

The KE7200 unit provides more detailed analysis for Ethernet networks.

- **Navigation:** Use the arrow keys (↑, ↓, ←, →) to navigate through menus on the display.
- **Select:** Press the **SEL** button to confirm a selection.
- **Exit/Cancel:** Press the **ESC** button to go back or cancel an operation.
- **Tone Generation:** The KE7200 can generate a tone to help locate cables when used with a tone probe (often a separate accessory, but a basic probe is included in the kit, labeled HIGH/LOW).
- **Network Standards:** The device supports testing for standards such as IEEE 802.3af.

## 5. MAINTENANCE

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Proper maintenance ensures the longevity and accuracy of your KE7207 Profi-Kit.

### 5.1 Cleaning

- Wipe the units with a soft, dry cloth.
- Do not use abrasive cleaners or solvents, as these can damage the casing or display.
- Keep connectors clean and free of dust and debris.

### 5.2 Battery Replacement

Replace batteries when the low battery indicator appears on the KE7200 display or when the units fail to power on. Always use fresh batteries of the specified type.

### 5.3 Storage

Store the kit in its original carrying case in a cool, dry place away from direct sunlight and extreme temperatures. Remove

batteries if storing for extended periods to prevent leakage.

## 6. TROUBLESHOOTING

If you encounter issues with your KE7207 Profi-Kit, refer to the following common problems and solutions.

| Problem                     | Possible Cause                                                   | Solution                                                                                                                     |
|-----------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Unit does not power on.     | Dead or incorrectly installed batteries.                         | Check battery polarity; replace with fresh batteries.                                                                        |
| Inaccurate test results.    | Loose cable connections, damaged cables, or incorrect test mode. | Ensure all cables are securely connected. Inspect cables for damage. Verify the correct test mode is selected on the KE7200. |
| Display is blank or frozen. | Software error or low battery.                                   | Try turning the unit off and on again. Replace batteries. If the issue persists, contact support.                            |

### 6.1 Self-Test Function

The KE7200 unit performs a self-test (indicated as "SE Selbsttest" on the display) upon startup. If this test indicates an error, it may suggest an internal fault requiring professional service.

## 7. SPECIFICATIONS

- **Model:** KE7207 Profi-Kit (0.49452-7)
- **Brand:** Kurth Electronic
- **Product Dimensions (L x W x H):** Approximately 4.1 x 6.1 x 2.6 cm (main unit)
- **Product Weight:** Approximately 1.55 kg (entire kit)
- **Color:** Blue
- **Supported Connectors:** RJ-45
- **Network Standards:** IEEE 802.3af
- **Operating Temperature:** 0 - 50 °C (32 - 122 °F)
- **Power Source:** Battery-powered (supports 4 batteries for main unit)

## 8. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Kurth Electronic website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

**Manufacturer:** Kurth Electronic

## 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