



Manuals.plus /

› **Platinum Tools** /

› Platinum Tools Exo Ezex-RJ45 Termination and Test Kit Box (90148) Instruction Manual

## Platinum Tools 90148

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Model: 90148

## INTRODUCTION

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The Platinum Tools Exo Ezex-RJ45 Termination and Test Kit Box (Model 90148) provides a comprehensive set of tools for efficient and reliable termination and testing of network cables, particularly Cat6 cabling. This kit is designed to simplify the process for both new and experienced installers, ensuring proper cable connections and functionality.

## KIT COMPONENTS

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The 90148 kit includes the following essential tools and components:

- **EXO Crimp Tool:** For crimping and flush trimming RJ45 connectors.
- **LANSeeker Cable Tester (TP500):** For troubleshooting and verifying cable integrity.
- **Cable Stripper:** For preparing cable jackets.
- **Scissors:** For cutting wires.
- **ezEX-RJ45 Connectors:** Pass-through design connectors for Cat6 cabling.
- **Carrying Case:** For organized storage and transport of the kit.



Figure 1: Overview of the Platinum Tools Exo Ezex-RJ45 Termination and Test Kit Box contents. This image displays all the components included in the kit: the red and black EXO Crimp Tool, the red LANSeeker TP500 cable tester, a yellow cable stripper, a pair of small scissors, and a bag of clear ezEX-RJ45 connectors, all laid out on a black carrying case.

## SETUP

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1. **Unpack the Kit:** Carefully remove all components from the carrying case.
2. **Familiarize Yourself with Tools:** Identify the EXO Crimp Tool, LANSeeker Cable Tester, cable stripper, and scissors.
3. **Inspect Components:** Ensure all tools and connectors are present and in good condition before beginning any work.

## OPERATING INSTRUCTIONS

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### 1. Cable Preparation

1. **Strip Cable Jacket:** Use the cable stripper to carefully remove approximately 1.5 inches (3.8 cm) of the outer jacket from the network cable, exposing the twisted pairs.
2. **Untwist and Straighten Wires:** Untwist the individual wire pairs and straighten them out. Arrange the wires according to the desired wiring standard (e.g., T568A or T568B).
3. **Trim Wires:** Using the scissors, trim the wires straight across, ensuring they are all of equal length. The length should be sufficient to pass through the ezEX-RJ45 connector.

### 2. Connector Termination with EXO Crimp Tool

1. **Insert Wires into Connector:** Carefully push the straightened and trimmed wires through the front of an ezEX-RJ45 connector. Ensure each wire passes through its corresponding channel and extends slightly beyond the front of the connector.
2. **Verify Wire Order:** Double-check that the wire order matches the chosen wiring standard and that all wires are fully seated.
3. **Crimp the Connector:**
  - Open the EXO Crimp Tool.
  - Insert the ezEX-RJ45 connector into the appropriate crimp cavity of the tool. The tool features a reversible EXO die for ambidextrous operation; ensure the correct side is facing up for your connector type.

- Squeeze the handles of the EXO Crimp Tool firmly and completely in a single cycle until the crimp mechanism releases. This action will crimp the connector pins and simultaneously flush-trim the excess wires extending from the front of the connector.
- Release the handles and remove the terminated connector.

### 3. Cable Testing with LANSeeker TP500

1. **Connect Cable:** Plug one end of the terminated network cable into the main unit of the LANSeeker TP500 tester and the other end into the remote unit.
2. **Power On:** Press the power button on the main unit to turn on the tester.
3. **Run Test:** The LANSeeker will automatically begin testing the cable for continuity, opens, shorts, and miswires.
4. **Interpret Results:**
  - **Pass:** All lights illuminate sequentially, indicating a correctly wired and functional cable.
  - **Open:** A light fails to illuminate, indicating a break in that specific wire.
  - **Short:** Multiple lights illuminate simultaneously or out of sequence, indicating a short circuit between wires.
  - **Miswire/Split Pair:** Lights illuminate in an incorrect sequence, indicating wires are not connected to the correct pins.
5. **Troubleshooting:** If the test fails, re-examine the termination on both ends of the cable. Re-strip and re-terminate if necessary, paying close attention to wire order and ensuring full insertion into the connector before crimping.

## MAINTENANCE

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- **Cleaning:** Keep all tools clean and free from debris. Use a dry, soft cloth to wipe down the EXO Crimp Tool and LANSeeker tester after each use. Avoid using abrasive cleaners or solvents.
- **Storage:** Store all components in the provided carrying case when not in use. This protects the tools from dust, moisture, and physical damage, extending their lifespan.
- **Inspection:** Periodically inspect the EXO Crimp Tool for any signs of wear or damage to the crimping dies. Ensure the LANSeeker tester's battery compartment is clean and batteries are replaced when low.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
LANSeeker indicates an "Open"	A wire is broken or not making contact with the connector pin.	Re-examine the cable ends. Ensure wires are fully inserted into the ezEX-RJ45 connector and crimped properly. Re-terminate if necessary.
LANSeeker indicates a "Short"	Two or more wires are touching, or a wire is touching the connector shield.	Check for stray wire strands. Ensure wires are separated and not touching inside the connector. Re-terminate carefully.
LANSeeker indicates a "Miswire" or "Split Pair"	Wires are not in the correct order according to the T568A/B standard.	Verify the wire order before inserting into the connector. Ensure the correct wiring standard is followed on both ends of the cable. Re-terminate.
Connector not crimping properly	Insufficient pressure applied, or connector not fully seated in the tool.	Ensure the connector is correctly positioned in the EXO Crimp Tool. Apply firm, complete pressure during the crimping cycle.

## SPECIFICATIONS

Feature	Detail
Model Number	90148
Brand	Platinum Tools
Product Dimensions	10 x 8 x 2 inches
Item Weight	2.01 pounds
Handle Material (Crimp Tool)	Rubber, Plastic
Grip Type (Crimp Tool)	Ergonomic
UPC	849160008934
Key Features	Single cycle crimp and flush trim, reversible EXO die, pass-through ezEX-RJ45 connectors, LANSeeker cable testing.

## WARRANTY AND SUPPORT

Platinum Tools products are manufactured to high standards and are typically covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty details, duration, and terms, please refer to the documentation included with your purchase or visit the official Platinum Tools website.

For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact Platinum Tools customer service directly. Contact information can usually be found on their official website or product packaging.

