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› Proster PST260 RJ45 Crimping Tool Kit User Manual

Proster PST260

Proster PST260 RJ45 Crimping Tool Kit User Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Proster PST260 RJ45 Crimping Tool Kit. This kit is designed for crimping Ethernet (RJ45) and telephone (RJ11/RJ12) cables, offering a versatile solution for network installation and maintenance tasks. Please read this manual thoroughly before operating the tool kit.

2. PRODUCT OVERVIEW

The Proster PST260 Crimping Tool Kit is a multi-functional set that includes a crimping tool, wire stripper, wire cutter, and cable tester. The main crimping tool features a dual-pressure 8P+6P interface, making it compatible with various modular plugs. Its compact design and ergonomic handle ensure comfortable and efficient operation.

3 in 1 Design

Can Cutting, Striping and Crimping

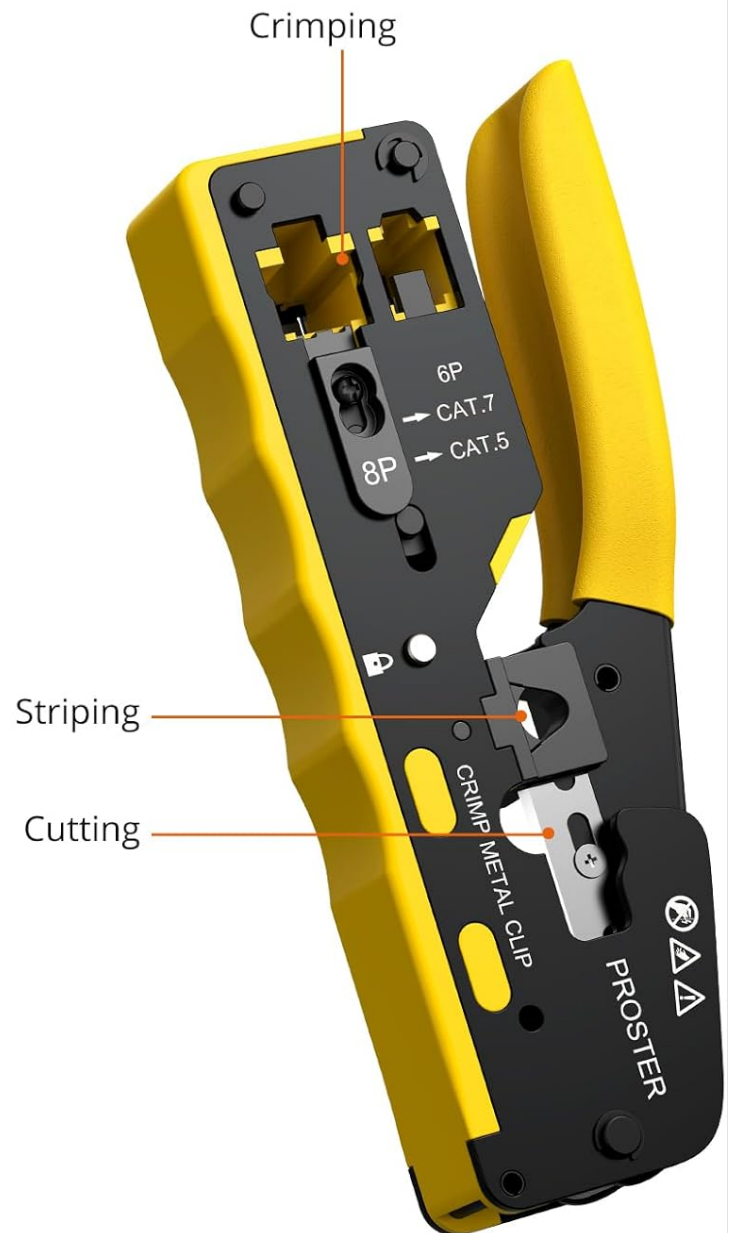
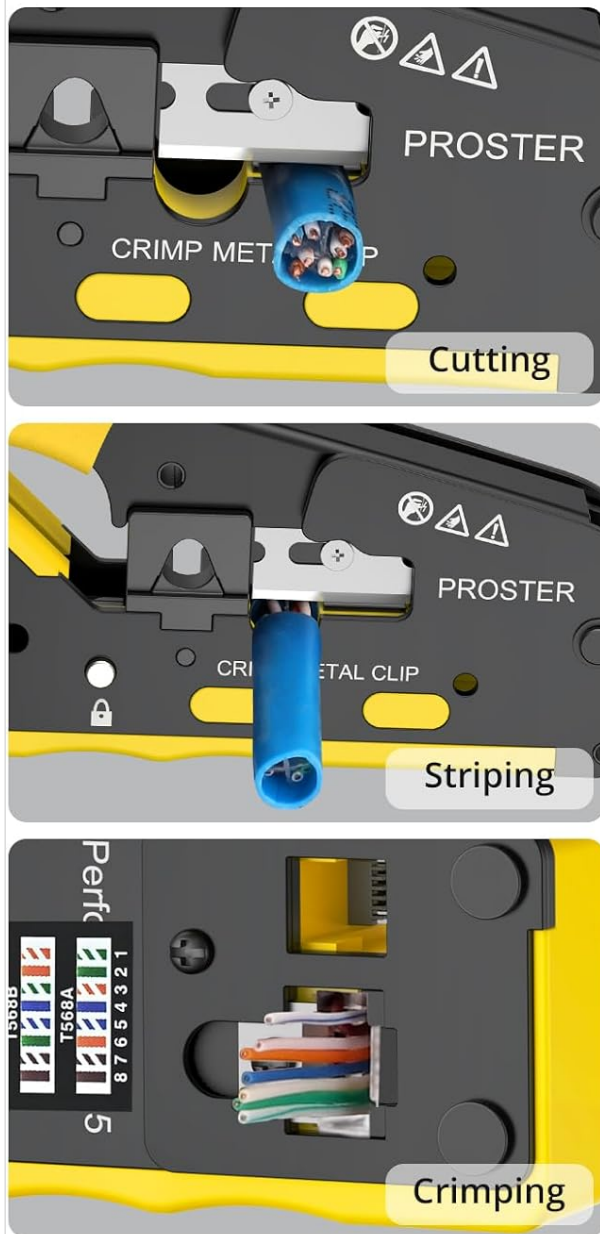


Figure 1: The main crimping tool demonstrating its cutting, stripping, and crimping capabilities.



Figure 2: Ergonomic design and locking mechanism of the crimping tool for secure storage and operation.

3. SAFETY INFORMATION

- Always wear appropriate personal protective equipment, such as safety glasses, when using cutting or crimping tools.
- Keep tools out of reach of children.
- Do not use tools for purposes other than their intended design.
- Ensure the tool is clean and free from debris before and after each use.
- Handle sharp blades and cutting edges with extreme care to prevent injury.

4. PACKAGE CONTENTS

Verify that all items listed below are present in your kit:

T568 Standard Line Sequence Diagram

The Sequence Diagram Is Also Attached to the RJ45 Crimping Plier

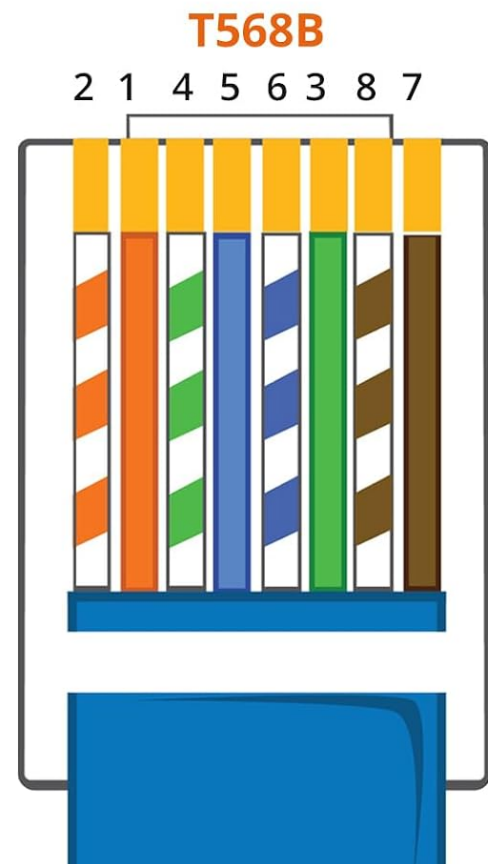
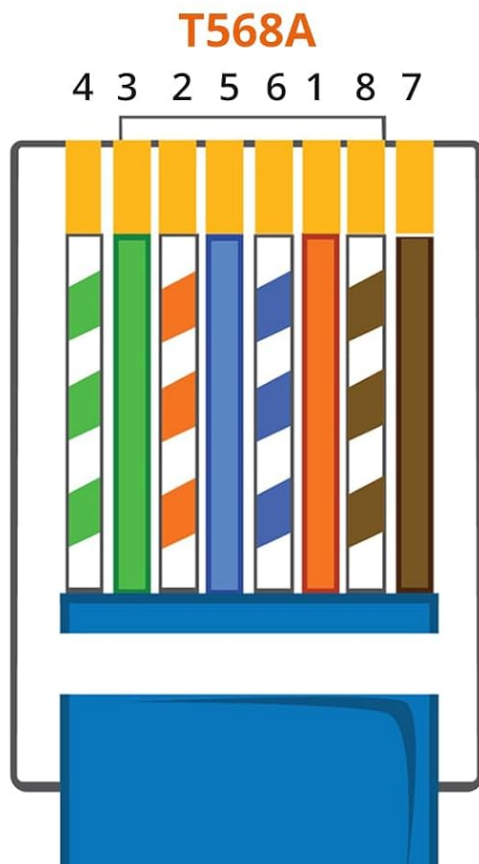


Figure 3: All components included in the Proster PST260 RJ45 Crimping Tool Kit.

- 1 × Network Cable Crimping Plier (Pass-Through)
- 1 × Yellow Wire Tester (requires 1 AA battery, not included)
- 1 × Small Cable Stripping Tool (Black)
- 1 × 6-inch Wire Cutter
- 50 × RJ45 Cat6 Connectors
- 50 × Blue Connector Boots
- 2 × Spare Blades (for the small stripping tool)

5. SETUP

Before beginning any network cable work, ensure you have a clean, well-lit workspace. Familiarize yourself with each

tool's function.

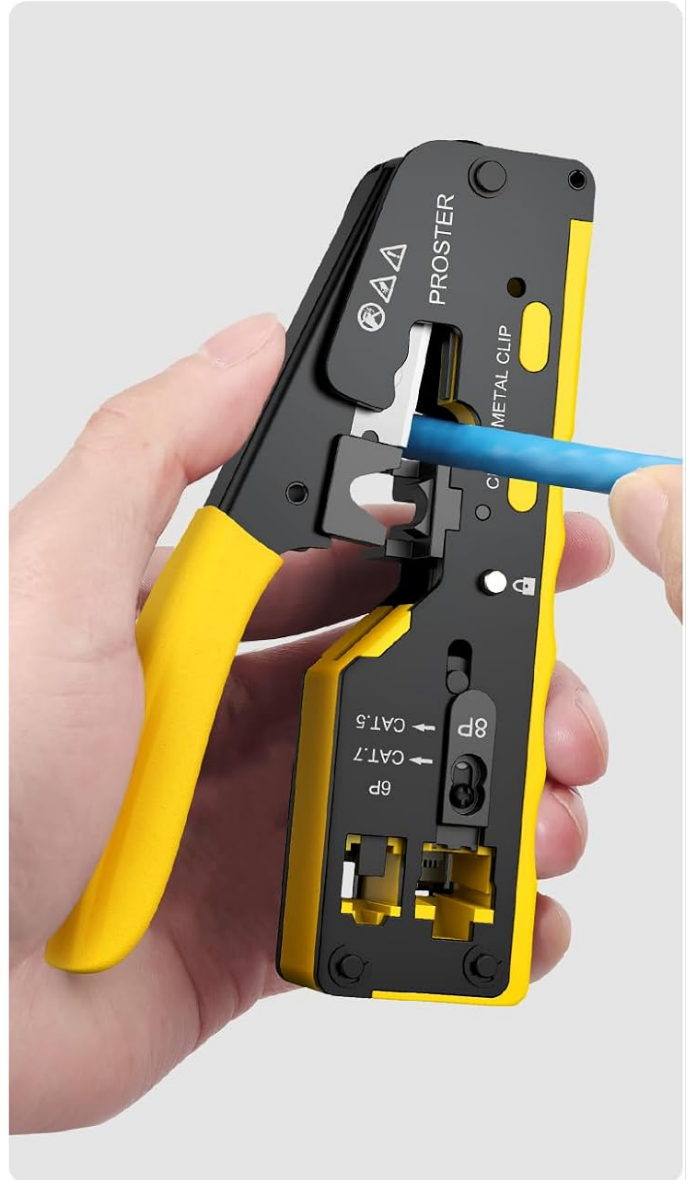
5.1. Preparing the Crimping Tool

The main crimping tool integrates cutting, stripping, and crimping functions. Identify the designated slots for each operation.

5.2. Using the Small Wire Stripper

The small black wire stripper is ideal for quickly removing the outer jacket of network cables.

Strip With Stripping Plier/Crimping Tool



Plier with color stickers with crimping sequence

Figure 4: Demonstrating cable stripping using both the dedicated stripper and the crimping tool's stripping function.

5.3. Installing Batteries in the Cable Tester

The cable tester requires one AA battery (not included). Open the battery compartment on the back of the main tester unit and insert the battery, observing polarity. Close the compartment securely.

6. OPERATING INSTRUCTIONS

Follow these steps to create a functional RJ45 network cable:



Figure 5: Step-by-step guide for preparing and crimping an RJ45 connector.

1. **Strip the Cable Jacket:** Use the small black stripping tool (Figure 5, Step 1) or the stripping blade on the crimping tool to carefully remove approximately 2-3 cm (1 inch) of the outer jacket from the network cable. Ensure not to cut the inner wires.
2. **Untwist and Straighten Wires:** Untwist the four pairs of wires and straighten them out.
3. **Arrange Wires (T568B Standard Recommended):** Arrange the wires according to the T568B wiring standard (or T568A if required). The T568B sequence from left to right is: White/Orange, Orange, White/Green, Blue, White/Blue, Green, White/Brown, Brown. Refer to the wiring diagram below.
4. **Trim Wires:** Use the wire cutter (Figure 5, Step 2) or the cutting blade on the crimping tool to trim the straightened wires to a uniform length, approximately 1.2-1.5 cm (0.5 inches) from the jacket edge.
5. **Insert Wires into RJ45 Connector:** Carefully insert the arranged and trimmed wires into the RJ45 connector (Figure 5, Step 3). Push firmly until all wires reach the front of the connector and the cable jacket is seated inside the connector body for strain relief.

6. **Crimping:** Place the RJ45 connector with the inserted wires into the 8P slot of the crimping tool (Figure 5, Step 4). Squeeze the handles firmly and completely until you hear a click, indicating the pins have been properly seated and crimped.
7. **Repeat for Other End:** Repeat steps 1-6 for the other end of the cable. Ensure consistent wiring standards (e.g., T568B to T568B for a straight-through cable).
8. **Test the Cable:** Connect both ends of the newly crimped cable to the cable tester (Figure 5, Step 7 & 9). Turn on the tester. The indicator lights on both units should illuminate in sequence (1-8, G) if the cable is wired correctly and has no faults.

6.1. RJ45 Wiring Standards (T568A and T568B)

The T568A and T568B standards define the pinout for eight-conductor modular connectors. T568B is the most common standard for new installations.



Figure 6: T568A and T568B standard line sequence diagrams for RJ45 connectors.

T568A Sequence: White/Green, Green, White/Orange, Blue, White/Blue, Orange, White/Brown, Brown

T568B Sequence: White/Orange, Orange, White/Green, Blue, White/Blue, Green, White/Brown, Brown

6.2. Using the Cable Tester

The cable tester verifies the continuity and correct wiring of RJ45 and RJ11 cables. Connect one end of the cable to the main unit and the other to the remote unit. Turn the switch to 'ON'. The lights will sequentially illuminate from 1 to 8 (and G for ground) on both units if the cable is correctly wired. Any skipped or out-of-sequence lights indicate a wiring fault.



Figure 7: The cable tester in operation, verifying network cable integrity.

6.3. Using the Wire Cutter

The included 6-inch wire cutter is designed for precise cutting of network and telephone cables. Its sharp blades ensure clean cuts.

Comfortable Grip

Ergonomically Designed Handle Provides One-Handed Grip, Labor-Saving, Non-Slip, and Comfortable for Hulling and Crimping Operations



Locked & Unlocked Status

Press the lock Button From Behind to Unlock

Figure 8: The dedicated wire cutter providing a clean cut on a cable.

7. MAINTENANCE

- **Cleaning:** After each use, wipe down all tools with a clean, dry cloth to remove any dust or debris. For stubborn grime, a slightly damp cloth can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a small amount of light machine oil to the pivot points of the crimping tool and wire cutter to ensure smooth operation.
- **Blade Replacement:** The small stripping tool comes with spare blades. If the stripping blade becomes dull, carefully replace it using the provided spares.
- **Storage:** Store the tool kit in a dry, cool place, away from direct sunlight and moisture. Keep all components organized to prevent loss.

8. TROUBLESHOOTING

- **Cable Tester Lights Not Illuminating:**
 - Check if the AA battery in the main tester unit is correctly installed and has sufficient charge.
 - Ensure both ends of the cable are fully inserted into the tester ports.
- **Cable Tester Lights Out of Sequence or Missing:**
 - This indicates a wiring fault. Re-examine the cable ends for incorrect wire order, loose connections, or wires that did not fully reach the pins during crimping.
 - Ensure the cable jacket is properly seated in the connector for strain relief; if not, wires can pull out.
- **RJ45 Connector Not Seating Properly in Crimper:**
 - Ensure you are using the correct 8P slot for RJ45 connectors.
 - Check for any debris obstructing the crimper slot.
- **Wires Not Cutting Cleanly:**
 - Ensure the wire cutter blades are clean and sharp. Replace blades on the small stripper if necessary.
 - Position the cable correctly in the cutting slot.

9. SPECIFICATIONS

Feature	Detail
Model Number	PST260
Brand	Proster
Product Type	Crimping Tool Kit
Crimper Compatibility	RJ45 (8P), RJ11/RJ12 (6P)
Cable Tester Compatibility	RJ45, RJ11
Item Weight	739 grams
Shipping Dimensions	26 x 15.5 x 4.2 cm
Color	Yellow
Handle Material	Plastic
Handle Type	Ergonomic
Cable Tester Battery	1 AA (not included)

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact Proster customer service directly. Contact details can typically be found on the manufacturer's official website or through your point of purchase.



