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› AcmeFun Saker Multi-function Electrician's Pliers Set User Manual

## AcmeFun GJ10221

# AcmeFun Saker Multi-function Electrician's Pliers Set User Manual

Model: GJ10221

## 1. INTRODUCTION

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Thank you for choosing the AcmeFun Saker Multi-function Electrician's Pliers Set. This tool is designed for various electrical tasks, offering wire stripping, cutting, crimping, and voltage testing capabilities in a compact, foldable design. Please read this manual thoroughly before use to ensure safe and efficient operation.



Figure 1: AcmeFun Saker Multi-function Electrician's Pliers Set, showcasing its compact, folded form.

## 2. SAFETY INSTRUCTIONS

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Always follow these safety guidelines to prevent injury or damage to the tool:

- Wear appropriate personal protective equipment, such as safety glasses, when using the tool.
- Ensure the power supply is disconnected before working on electrical wires.
- Do not use the tool if it appears damaged or faulty.
- Keep the tool clean and dry. Avoid exposure to excessive moisture unless specifically designed for such conditions.
- Store the tool out of reach of children.
- Use the correct size and type of tool for the task.

- Do not use the tool for purposes other than its intended use.

## 3. PRODUCT OVERVIEW

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### 3.1 Key Features

- **Multi-functional Design:** Combines wire stripping, cutting, crimping, and other electrical tasks.
- **Compact and Foldable:** Features a folding mechanism for easy portability and storage.
- **Precision Jaws:** Calibrated for accurate wire stripping and cutting across various gauges.
- **Integrated Voltage Tester:** Eliminates the need for a separate voltage testing tool.
- **Insulated Handle:** Provides comfort, enhanced control, and electrical insulation.
- **Durable Construction:** Designed for longevity and resistance to rust.

### 3.2 Components

The AcmeFun Saker Multi-function Electrician's Pliers Set includes the following main components:

- **Stripping Jaws:** Marked with various wire gauges for precise stripping.
- **Cutting Edge:** For clean wire cuts.
- **Crimping Area:** For securing terminals.
- **Voltage Test Indicator:** LED lights (green/red) and an audible horn for live wire detection.
- **Insulated Handles:** Ergonomically designed for grip and safety.
- **Folding Mechanism:** Allows the tool to fold for compact storage.
- **Storage Lock:** Secures the tool in its folded position.
- **Integrated Screwdriver:** A folding screwdriver bit located in the handle.
- **Cable Hook Knife:** For scoring cable sheathing.



Figure 2: Detailed view highlighting the crimping, stripping, and screwdriver functions of the pliers.

#### 4. SETUP

The AcmeFun Saker Multi-function Electrician's Pliers are ready for use out of the box. To prepare the tool:

1. **Unfold the Pliers:** Release the storage lock and carefully unfold the handles until the pliers are fully extended and locked into the open position.
2. **Inspect the Tool:** Before each use, visually inspect the pliers for any signs of damage, wear, or loose components.

# MULTI-FUNCTION WIRE STRIPPER

Multiple functions · Folding design · Tail screwdriver



Figure 3: The pliers in a folded state, illustrating its compact design, and in use for wire stripping.

## 5. OPERATING INSTRUCTIONS

This tool offers multiple functions for various electrical tasks:

### 5.1 Wire Stripping

1. Identify the gauge of the wire you intend to strip.
2. Locate the corresponding stripping hole on the pliers' jaws.
3. Insert the wire into the correct hole, ensuring only the insulation is within the stripping area.
4. Close the handles firmly to cut through the insulation, then pull the pliers away from the wire to remove the stripped insulation.

# Folding Stylus Screwdriver Wire Stripper



Figure 4: Demonstrates wire stripping using the pliers, with an inset showing the electricity measurement feature.

## 5.2 Wire Cutting

Use the designated cutting edge near the pivot point of the pliers to cut wires. Place the wire between the cutting blades and squeeze the handles firmly.

## 5.3 Wire Crimping

The pliers include a crimping section for securing terminals to wires. Insert the terminal and wire into the appropriate crimping slot and squeeze the handles until the terminal is securely fastened.

## 5.4 Voltage Testing

The integrated voltage tester helps identify live and neutral wires:

- **Neutral Wire:** When contacting a neutral wire, the green light will illuminate steadily, and no audible horn will sound.
- **Live Wire:** When contacting a live wire, the red light will flash, and an audible horn will sound.

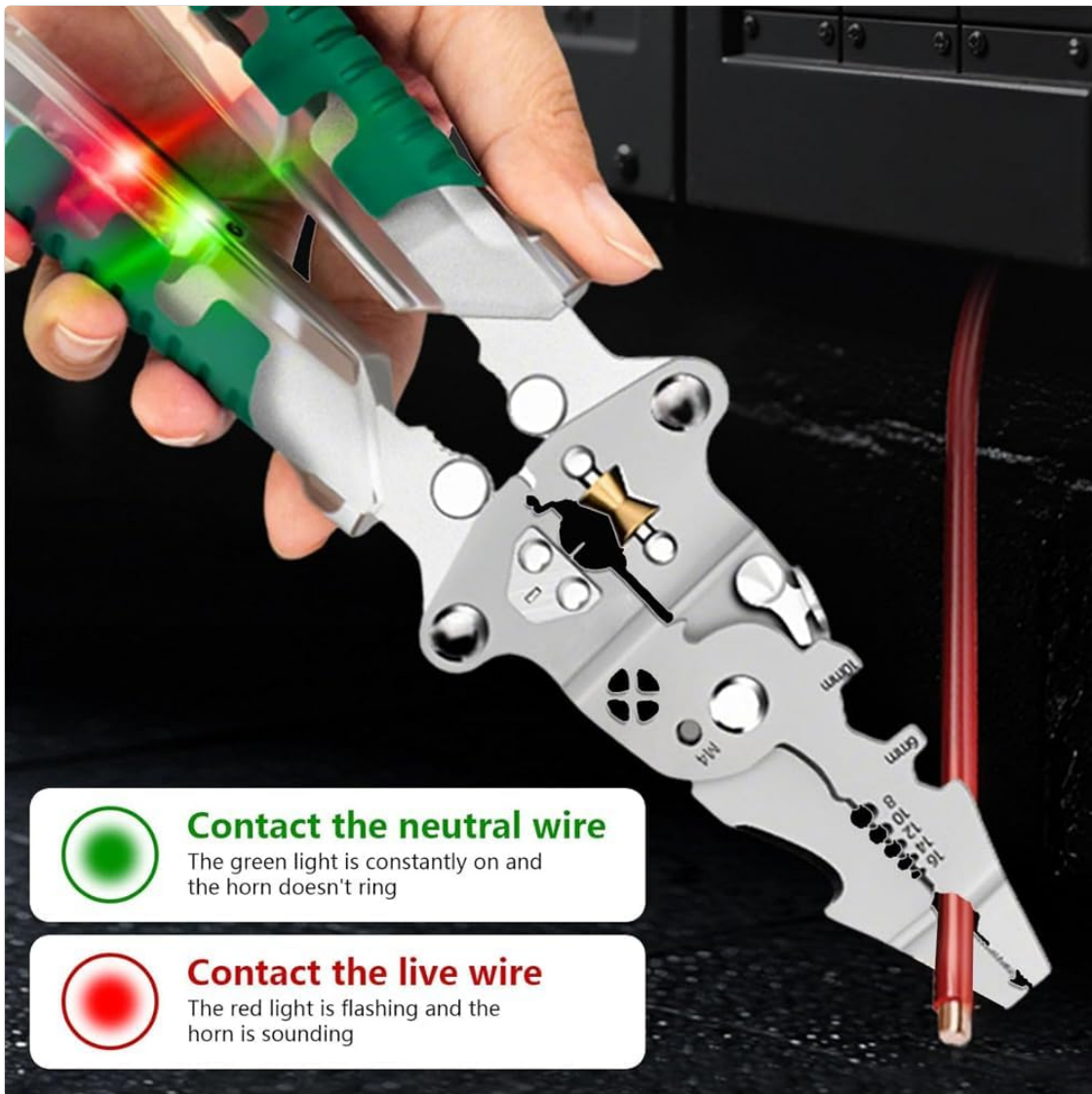


Figure 5: Visual guide for the integrated voltage testing feature, indicating neutral and live wire detection.

### 5.5 Integrated Screwdriver

A folding screwdriver bit is integrated into one of the handles. To use, unfold the screwdriver from its storage position. This feature is suitable for tightening or loosening small screws.

# New upgrades to extend new functions

We have the functions of others, we have the functions of others,  
we have the functions of others



Figure 6: Demonstrates the cable hook knife and the versatile screwdriver bit integrated into the tool.

## 5.6 Additional Functions

The pliers also support various other tasks, including:

- **Clamping Wires:** For holding wires securely.
- **Merging Wires:** Assisting in joining multiple wires.
- **Splitting Wires:** Separating multi-strand wires.
- **Broken Wire Extraction:** For removing broken wire segments.
- **Cable Hook Knife:** For scoring cable sheathing.

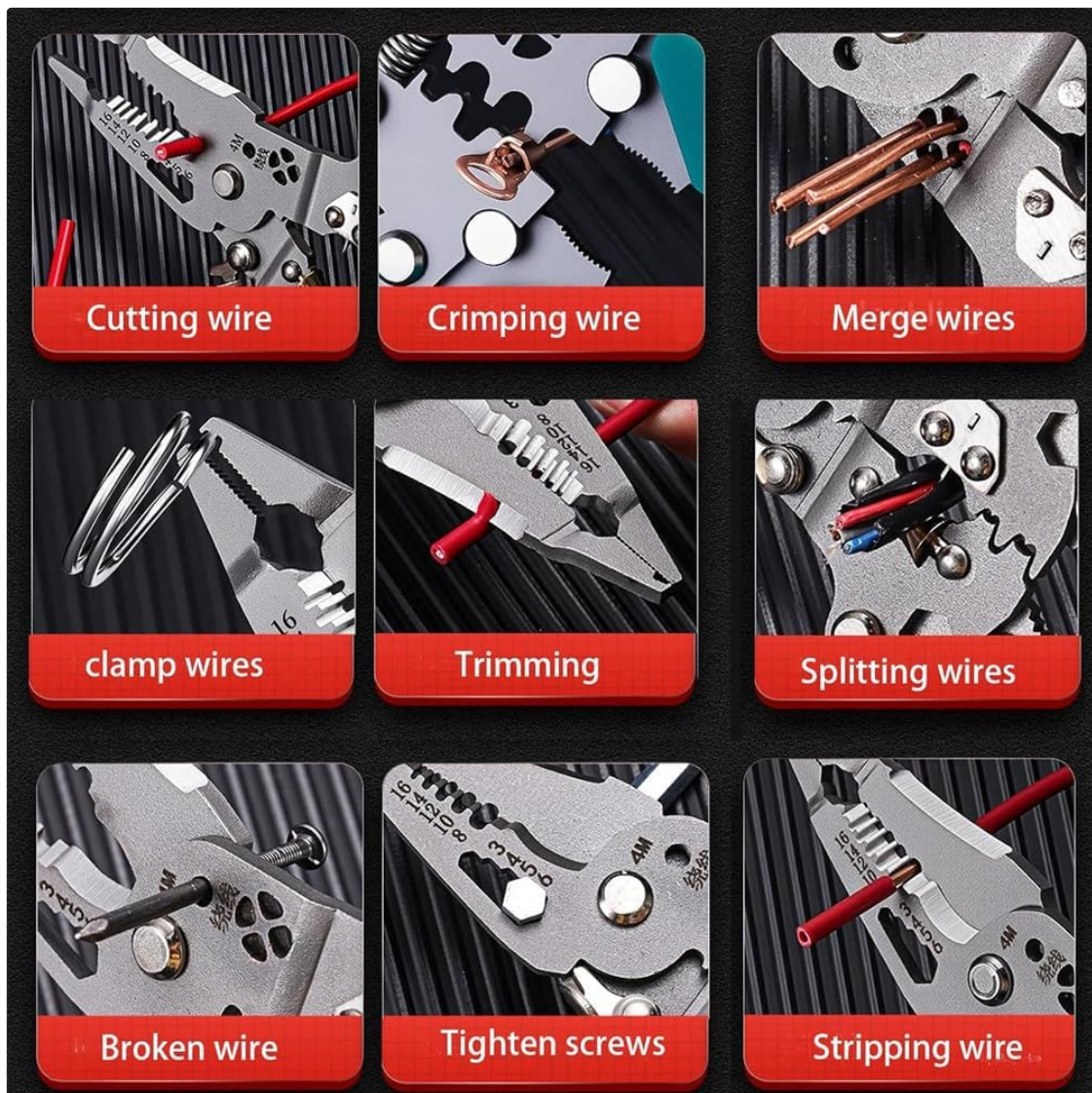


Figure 7: A comprehensive visual guide to the nine primary functions of the multi-tool, including cutting, crimping, and stripping.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your pliers:

- **Cleaning:** After each use, wipe down the pliers with a clean, dry cloth to remove any dirt, dust, or debris.
- **Lubrication:** Periodically apply a small amount of light machine oil to the pivot points to ensure smooth operation.
- **Storage:** When not in use, fold the pliers and engage the storage lock. Store the tool in a dry environment to prevent rust. The tool is designed to be resistant to rust, but proper storage is still recommended.
- **Inspection:** Regularly check for any signs of wear, damage, or loose parts. Replace the tool if significant damage is observed.

Suitable for working in various environments,  
not easy to rust, durable and long-lasting



Figure 8: The pliers demonstrating resistance to moisture, highlighting its durable construction.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Wire not stripping cleanly.	Incorrect gauge selected; dull blades; insufficient pressure.	Ensure correct gauge hole is used. Apply firm, even pressure. Inspect blades for wear.
Voltage tester not responding.	Low battery (if applicable); poor contact; circuit not live.	Ensure good contact with the wire. Verify the circuit is live. (Note: This model does not have user-replaceable batteries for the tester).
Pliers feel stiff or difficult to open/close.	Lack of lubrication; dirt/debris in pivot points.	Clean the pivot points and apply a small amount of light machine oil.

## 8. SPECIFICATIONS

<b>Brand:</b>	AcmeFun
<b>Model Number:</b>	GJ10221
<b>Color:</b>	Green
<b>Functions:</b>	Wire stripping, cutting, crimping, voltage testing, screwdriver, cable hook knife, clamping, merging, splitting, broken wire extraction.
<b>Material:</b>	Durable, rust-resistant materials with insulated handles.
<b>Dimensions (Folded):</b>	<i>(Specific dimensions not provided in source data, refer to product packaging)</i>

## 9. WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the product packaging or contact the retailer where the product was purchased. Keep your proof of purchase for any warranty claims.

For further assistance, you may also visit the AcmeFun official website or contact their customer service department.