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> [WORKPRO Mini Electric Precision Screwdriver \(Model W004603AE\) Instruction Manual](#)

WORKPRO W004603AE

WORKPRO Mini Electric Precision Screwdriver

Model: W004603AE

Brand: WORKPRO

1. PRODUCT OVERVIEW

The WORKPRO Mini Electric Precision Screwdriver is designed for intricate tasks requiring precision and efficiency. Featuring a powerful motor, long-lasting battery, and a comprehensive set of S2 steel bits, this tool is ideal for repairing small electronics, performing DIY projects, and handling delicate components. Its magnetic design ensures bits and screws remain secure, while the compact and lightweight aluminum alloy body provides comfortable handling.

2. PRODUCT CONTENTS

- 1 x WORKPRO Mini Electric Precision Screwdriver
- 22 x S2 Steel Precision Bits (16x 28mm, 4x 45mm)
- 1 x Type-C Charging Cable
- 1 x Portable Storage Case with Magnetization Area



Figure 1: The WORKPRO Mini Electric Screwdriver kit, showcasing the screwdriver, various S2 steel bits, and the portable storage case.

3. SETUP

3.1 Charging the Device

Before first use, fully charge the screwdriver. Connect the provided Type-C charging cable to the charging port on the screwdriver and to a compatible USB power source (e.g., power bank, USB charger, car charger, laptop/PC). The battery indicator lights will illuminate during charging and turn solid when fully charged. A full charge typically takes approximately 1 hour and provides enough power to tighten up to 600 screws.

RECHARGEABLE LITHIUM BATTERY

700 MAH



Power Bank



USB Charger



Car Charger



Laptop/PC



Figure 2: The screwdriver being charged via its Type-C port, connected to a laptop. The image highlights various compatible charging methods.

3.2 Inserting Bits

Select the appropriate S2 steel bit for your task. Insert the bit firmly into the magnetic chuck at the tip of the screwdriver. The magnetic design will hold the bit securely in place.

3.3 Magnetic Features

The storage case includes a magnetization area. If a bit's magnetic property weakens, place the bit in this area to re-magnetize it, ensuring screws are easily attracted and held.



Figure 3: The magnetic design of the screwdriver bit holder and the dedicated magnetization area in the storage case for enhancing bit magnetism.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off and Direction Control

The screwdriver features two main buttons for operation: one for forward (tightening) and one for reverse (loosening). Press and hold the desired button to activate the screwdriver. Release the button to stop operation.

4.2 Adjusting Torque

The screwdriver offers multiple torque settings for precision work. To adjust the torque, locate the torque adjustment button (often indicated by a gear or power symbol). Press and hold this button until the indicator lights flash. Each subsequent short press will cycle through the available torque levels (e.g., 1 to 5 bars). 5 bars indicate high torque, while 1 bar indicates low torque. The electric torque ranges from 0.3 to 0.5 Newton-meters (Nm). For higher torque requirements, the screwdriver can be used manually, supporting up to 7 Nm.

4.3 Using LED Lights

The screwdriver is equipped with 3 LED lights at the tip to illuminate your work area. Press the dedicated light button (often a single press) to switch the LED lights on or off, providing clear visibility in dimly lit spaces.



Figure 4: The screwdriver's integrated LED lights provide illumination for precision tasks, as shown while working on a circuit board.

4.4 Battery Level Check

To check the current battery level, double-click the torque adjustment button. The indicator lights will show the battery status (e.g., 5 bars for high battery, 1 bar for low battery).

4.5 General Use

This precision screwdriver is suitable for a wide range of applications, including:

- Repairing smartphones, laptops, and digital cameras.
- Assembling or disassembling drones and watches.
- Adjusting glasses and keyboards.
- Various small home repairs and DIY projects.



Figure 5: Demonstrating the precision screwdriver in use for electronic device repair.

4.6 Instructional Videos

Video 1: This video demonstrates the display features of a similar electric screwdriver, including battery level and torque adjustment, which are applicable to the WORKPRO model.

Video 2: This video provides a general guide on how to use a precision screwdriver set, illustrating bit changes and practical applications on various devices.

Video 3: An official WORKPRO video demonstrating the features and usage of the 3.7V Mini Electric Screwdriver, including its compact design and bit compatibility.

5. MAINTENANCE

5.1 Battery Care

To prolong battery life, it is recommended to charge the battery periodically, even if the screwdriver is not in regular use. Prolonged non-charging can cause the battery to enter protection mode and prevent it from charging.

5.2 Cleaning

Wipe the screwdriver and bits with a clean, dry cloth after each use to remove dust and debris. Avoid using harsh chemicals or abrasive materials that could damage the finish or components.

5.3 Bit Care

The S2 steel bits feature a grey phosphating surface for enhanced hardness and rust resistance. Store bits securely in the provided case to prevent loss and damage. Re-magnetize bits as needed using the case's magnetization area.

6. TROUBLESHOOTING

6.1 Device Not Turning On

- **Check Battery:** Ensure the battery is charged. Connect the screwdriver to the Type-C charging cable and a power source.
- **Power Button:** Confirm you are pressing and holding the correct forward/reverse button firmly.

6.2 Screwdriver Not Charging

- **Cable Connection:** Verify the Type-C cable is securely connected to both the screwdriver and the power source.
- **Power Source:** Try a different USB power adapter or port to rule out a faulty power source.
- **Battery Protection Mode:** If the device has been uncharged for a long time, the battery might be in protection mode. Try charging for an extended period (e.g., 2-3 hours) to reactivate it.

6.3 Insufficient Torque

- **Torque Setting:** Adjust the torque setting to a higher level using the torque adjustment button.
- **Manual Operation:** For very tight screws, use the screwdriver in manual mode, which supports up to 7 Nm of torque.
- **Bit Condition:** Ensure the bit is not worn or stripped, which can reduce effective torque transfer.

7. SPECIFICATIONS

Feature	Specification
Model Number	W004603AE
Material	Alloy Steel (Screwdriver body), S2 Steel (Bits)
Power Source	Battery Powered
Battery Type	1 Lithium Ion (700 mAh)
Voltage	4 Volts
Wattage	2.52 Watt-hours
No-load Speed	180-200 RPM
Electric Torque	0.3-0.5 Nm (adjustable)
Manual Torque	Up to 7 Nm

Item Weight	322 g (0.71 lbs)
Product Dimensions	17.7 x 7.8 x 2.59 cm (6.97 x 3.07 x 1.02 inches)
Included Components	Electric Screwdriver, 22 S2 Steel Bits, Type-C Charging Cable, Storage Case
Country of Origin	China

8. WARRANTY AND SUPPORT

Specific warranty details and direct support contact information were not provided in the product data. Please refer to the product packaging or the official WORKPRO website for the most up-to-date warranty policy and customer support options.