

XCOOL EPD11

XCOOL Mini Electric Precision Screwdriver Set EPD11 User Manual

Model: EPD11

1. SAFETY INFORMATION

Please read all safety warnings and instructions before using this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Keep Work Area Clean:** Cluttered areas invite accidents.
- **Avoid Dangerous Environments:** Do not use power tools in damp or wet locations, or expose them to rain. Keep work areas well lit.
- **Keep Children Away:** All visitors should be kept at a safe distance from the work area.
- **Dress Properly:** Do not wear loose clothing or jewelry. Contain long hair. Loose clothing, jewelry, or long hair can be caught in moving parts.
- **Use Safety Equipment:** Always wear eye protection. Use a face or dust mask if operation is dusty.
- **Do Not Overreach:** Keep proper footing and balance at all times.
- **Maintain Tools With Care:** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.
- **Disconnect Tools:** Disconnect the tool from the power source before making any adjustments, changing accessories, or storing.
- **Avoid Unintentional Starting:** Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.
- **Check for Damaged Parts:** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.
- **Battery Safety:** Use only the specified charging method. Do not expose batteries to extreme

temperatures or disassemble them.

2. PACKAGE CONTENTS

The XCOOL Mini Electric Precision Screwdriver Set EPD11 includes the following items:

- 1 x XCOOL Mini Electric Screwdriver
- 1 x Magnetic Storage Case
- 48 x S2 Steel Magnetic Bits (39 screwdriver bits, 9 drill bits)
- 1 x Pry Bar
- 1 x Flat Tweezers
- 1 x USB-A to USB-C Charging Cable



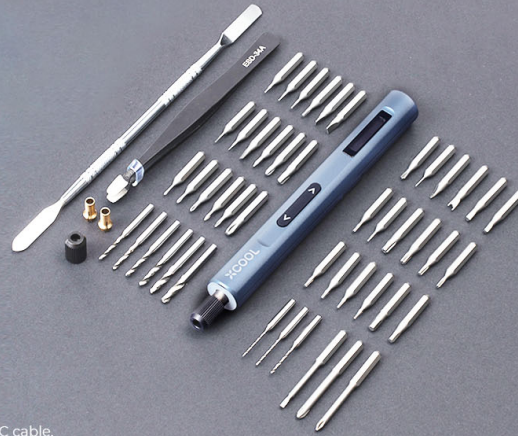
The complete XCOOL Mini Electric Screwdriver Set, including the screwdriver, magnetic case, and various bits.

52-in-1

Comprehensive repair tools & kits

- PH0000/PH000/PH00/PH0/PH1/PH2
- Y0.6/Y1.0/Y2.0/Y2.5/Y1
- SL1.0/SL1.5/SL2.0/SL2.5/SL3.0/SL3.5
- H0.7/H0.8/H1.0/H1.5/H2.5/H3.0
- T2/T3/T4
- U2.0/U2.6
- P2/P5
- W1.5
- S0
- Sim Ejector:0.8
- 2.3
- T5H/T6H/T7H/T9H/T15H

*Set includes extra complimentary pry bar, tweezers, and a USB-C cable.



An overview of the 52-in-1 comprehensive repair tools and kits, showcasing the screwdriver, various bits, pry bar, and tweezers.

3. PRODUCT OVERVIEW

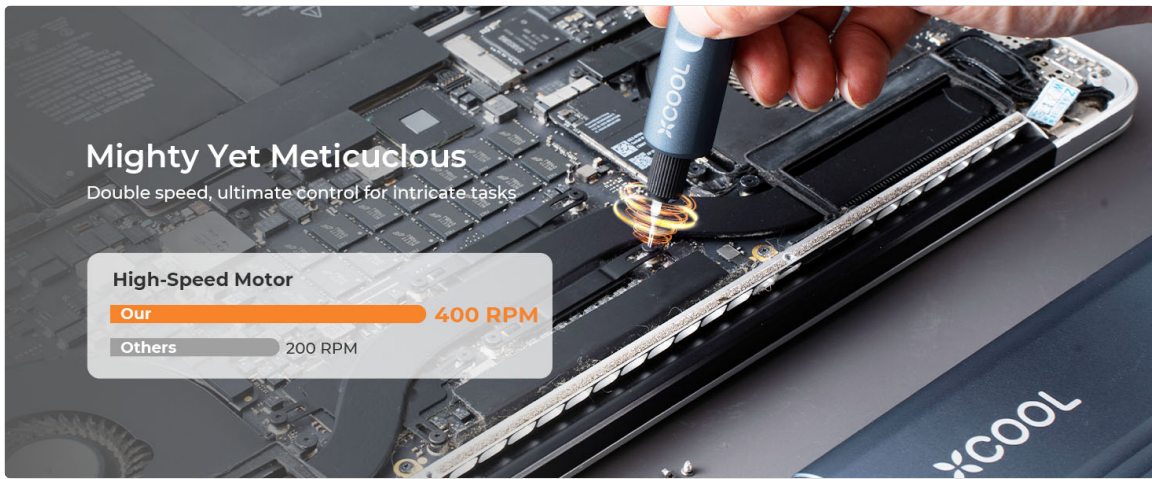
The XCOOL Mini Electric Precision Screwdriver EPD11 is designed for intricate tasks, offering a blend of power and precision for electronics repair and assembly.

3.1 Components

- **Electric Screwdriver:** Pen-shaped design with integrated controls and LED light.
- **Magnetic Bits:** 48 S2 steel bits, including various screwdriver types and drill bits, stored securely in the magnetic case.
- **Magnetic Storage Case:** Durable case with a pop-up feature for easy access to bits, and integrated magnetization/demagnetization areas.
- **Pry Bar & Tweezers:** Auxiliary tools for delicate electronic repairs.

3.2 Key Features

- **High-Speed Motor:** Operates at 400 RPM for efficient fastening and drilling.
- **Dual Mode Operation:** Supports both electric and manual modes for versatile use.
- **5 Torque Settings:** Adjustable torque from 0.1 to 0.3 N·m in electric mode, up to 3 N·m in manual mode, with a safeguard system for precision.
- **Durable Bits:** 48 S2 steel bits with 60HRC hardness for longevity.
- **All-Metal Gearbox:** Enhances durability and performance.
- **Integrated LED Light:** Provides illumination for improved visibility in dark areas.
- **Magnetization/Demagnetization:** Built-in areas on the case to magnetize or demagnetize bits as needed.
- **Long-lasting Battery:** Rechargeable lithium-ion battery capable of driving over 500 screws on a single charge.



The XCOOL screwdriver in action, demonstrating its 400 RPM high-speed motor for efficient operation.



A visual guide to the 5-level precision torque control settings, illustrating how to select the appropriate torque for various tasks.

4. SETUP

4.1 Charging the Screwdriver

1. Locate the USB-C charging port on the screwdriver.
2. Connect the provided USB-A to USB-C charging cable to the screwdriver and a compatible USB power adapter (not included).
3. The indicator lights on the screwdriver will show charging status. A full charge is indicated when all lights are solid.
4. The magnetic case also features an in-box charging capability. Place the screwdriver into its designated slot in the case, and connect the USB-C cable to the case's charging port.

Pocket-Sized Design

Enjoy easy handling, effortlessly carry and store



The XCOOL screwdriver being charged while stored within its magnetic case, illustrating the convenient in-box charging feature.

4.2 Inserting Bits

1. Select the appropriate bit for your task from the magnetic storage case.
2. Insert the bit firmly into the screwdriver's chuck until it clicks into place. The magnetic chuck will hold the bit securely.
3. To remove a bit, simply pull it out from the chuck.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off and Torque Selection

1. To power on the screwdriver, press and hold either the 'Screw In' (left arrow) or 'Screw Out' (right arrow) button for a few seconds until the display illuminates.
2. To adjust the torque setting, press the power button (usually the central button or a dedicated mode button) to cycle through the 5 available torque levels. The current torque level will be displayed on the screen.
3. To power off, the screwdriver will automatically shut down after a period of inactivity.

5.2 Electric Mode Operation

The screwdriver offers two primary electric modes: tightening and loosening.

- **Tightening (Screw In):** Press the left arrow button once for a single rotation to tighten a screw. For continuous tightening, press and hold the left arrow button.
- **Loosening (Screw Out):** Press the right arrow button once for a single rotation to loosen a screw. For continuous loosening, press and hold the right arrow button.
- **Continuous Rotation (Torque 5 Only):** For continuous rotation at the highest torque setting, triple-press either the 'Screw In' or 'Screw Out' button. This mode is exclusive to Torque Setting 5.

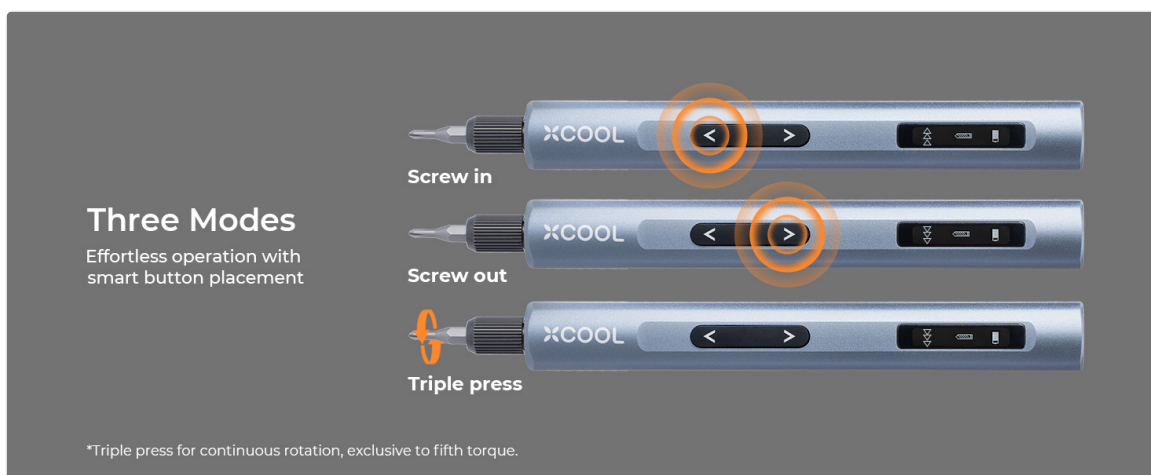


Illustration of the three operational modes: single press for 'screw in' or 'screw out', and a triple press for continuous rotation (exclusive to the fifth torque setting).

5.3 Manual Mode Operation

For tasks requiring higher torque or precise manual control, the screwdriver can be used manually. Simply apply force as you would with a traditional screwdriver. The electric motor will disengage, allowing for manual rotation up to 3 N·m.

5.4 Using the LED Light

The integrated LED light automatically illuminates when the screwdriver is in operation, providing clear visibility of the work area. There is no separate control for the LED light.

Built to Last

60HRC bits in a sturdy pop-up case with metal gearbox



*Includes extra complimentary pry bar and flat tweezers with our set.

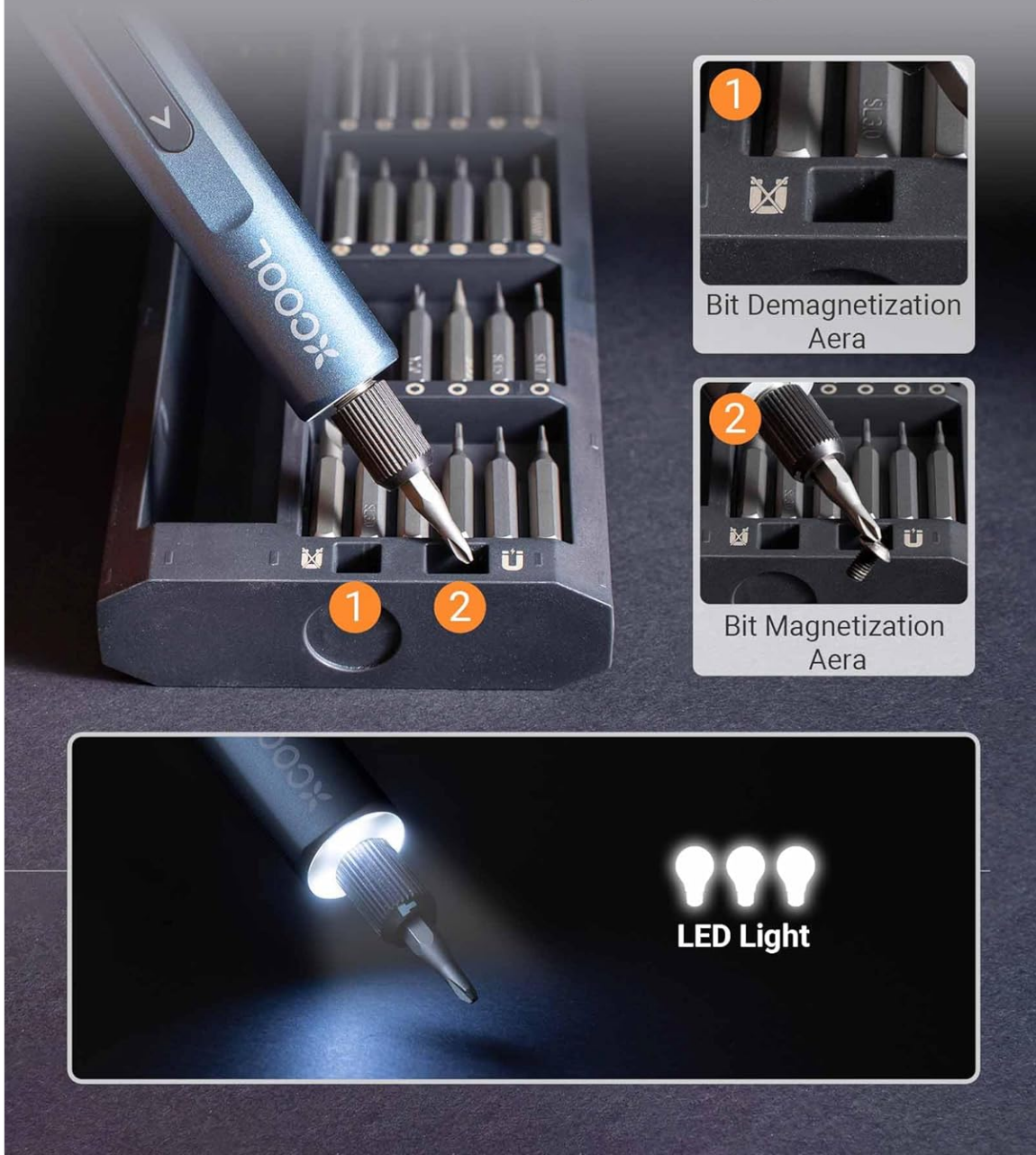
The XCOOL screwdriver with its integrated LED light activated, providing illumination for precision tasks.

5.5 Magnetizing/Demagnetizing Bits

The magnetic storage case includes dedicated areas for magnetizing and demagnetizing bits.

- **To Magnetize:** Rub the tip of the bit against the 'Magnetization Area' on the case. This will help hold small screws more easily.
- **To Demagnetize:** Rub the tip of the bit against the 'Demagnetization Area' on the case. This is useful when working with sensitive electronics where magnetism could cause interference.

User-friendly Design



A close-up of the XCOOL magnetic case, highlighting the designated areas for magnetizing and demagnetizing screwdriver bits.

6. MAINTENANCE

- **Cleaning:** Wipe the screwdriver and bits with a clean, dry cloth after each use. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Always store the screwdriver and bits in their magnetic case to prevent loss and damage. Keep the case in a cool, dry place away from direct sunlight and moisture.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in use for extended periods.

- **Bit Inspection:** Periodically inspect bits for wear or damage. Replace worn bits to ensure optimal performance and prevent damage to screws.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Screwdriver does not turn on.	Battery is discharged.	Charge the screwdriver using the provided USB-C cable.
Screwdriver lacks power or stops during use.	Low battery. Incorrect torque setting.	Recharge the battery. Select a higher torque setting if the screw is tight. Use manual mode for very tight screws.
Bit slips or strips screw head.	Incorrect bit size/type. Torque setting too high/low. Worn bit.	Ensure the correct bit is used. Adjust torque setting. Replace worn bits.
Screwdriver overheats.	Prolonged heavy use.	Allow the screwdriver to cool down before continuing use. Avoid continuous heavy load.
Bits are not magnetic enough.	Bit needs magnetization.	Use the magnetization area on the storage case to magnetize the bit.

8. SPECIFICATIONS

Specification	Detail
Brand	XCOOL
Model Number	EPD11
Material	Metal
Speed	400 RPM
Power Source	Battery Powered
Voltage	3.7 Volts
Item Torque (Electric)	0.1 - 0.3 N·m (5 settings)
Item Torque (Manual)	Up to 3 N·m
Number of Batteries	1 Lithium Ion (included)

Specification	Detail
Bit Hardness	60HRC (S2 Steel)
Item Weight	1.1 pounds
Package Dimensions	7.28 x 4.13 x 1.14 inches
Included Components	Case, Charger, Screwdriver, Drill Bits, Pry Bar, Tweezers

9. WARRANTY AND SUPPORT

XCOOL products are manufactured to high-quality standards. For warranty information, technical support, or any inquiries regarding your XCOOL Mini Electric Precision Screwdriver Set EPD11, please refer to the contact information provided with your purchase or visit the official XCOOL website. Keep your purchase receipt as proof of purchase for any warranty claims.