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> 4V Rechargeable Cordless Electric Screwdriver Kit User Manual

## BIELMEIER BCSW-4

# BIELMEIER 4V Rechargeable Cordless Electric Screwdriver Kit

Model: BCSW-4

Your comprehensive guide to setup, operation, and maintenance.

## 1. INTRODUCTION

The BIELMEIER 4V Rechargeable Cordless Electric Screwdriver Kit is designed for a wide range of household tasks and light professional work. This versatile tool offers convenience, power, and precision for various applications, from furniture assembly to minor repairs. Its compact design and comprehensive accessory set make it an essential addition to any toolkit.



Figure 1.1: The BIELMEIER 4V Cordless Electric Screwdriver in use for home tasks.

## 2. WHAT'S IN THE BOX

Your BIELMEIER 4V Rechargeable Cordless Electric Screwdriver Kit comes with a complete set of tools and accessories to get you started immediately. Please verify all items are present upon unboxing.

- 1 x 4V Lithium-Ion Electric Screwdriver
- 1 x USB Charging Cable
- 33 x Screwdriver Bits & Extension Holder
- 9 x Sockets & Adapter
- 2 x Hex Shank Drill Bits
- 1 x Flex Extension Hex Shaft
- 1 x Storage Case



Figure 2.1: All components included in the BIELMEIER Electric Screwdriver Kit.

## WHAT'S IN THE BOX

- 1.USB Charging Cable
- 2.Screwdriver Bits & Extension Holder X 33
- 3.Sockets & Adapter X 9
- 4.Hex Shank Drill Bits X 2
- 5.Flex Extension Hex Shaft X 1
- 6.Storage Case



Figure 2.2: Visual representation of the kit contents.

### 3. PRODUCT OVERVIEW

Familiarize yourself with the main components of your electric screwdriver.

# 4V CORDLESS SCREWDRIVER BODY

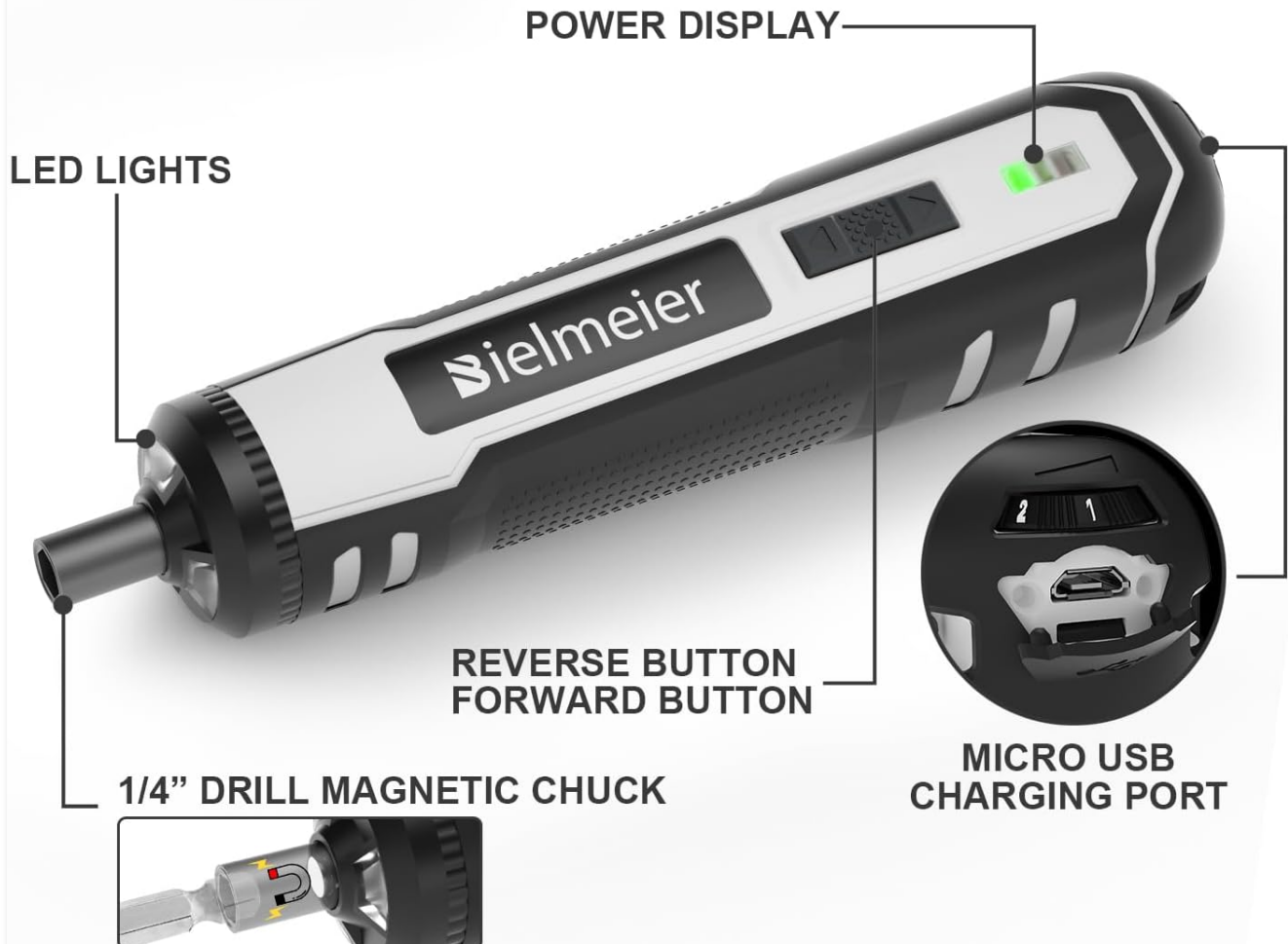


Figure 3.1: Key components of the screwdriver body.

- **Power Display:** Indicates remaining battery life.
- **LED Lights:** Illuminates the work area for improved visibility in dark or narrow spaces.
- **1/4" Drill Magnetic Chuck:** Standard chuck compatible with all 1/4-inch hex shank bits, featuring integrated magnetism to securely hold bits.
- **Forward Button:** Engages forward rotation for tightening screws.
- **Reverse Button:** Engages reverse rotation for loosening screws.
- **Micro USB Charging Port:** For convenient charging of the internal battery.
- **Torque Adjustment Knob:** Allows for precise control over torque settings (1st to 6th gear).

## 4. SETUP AND CHARGING

Before first use, ensure the screwdriver is fully charged. The built-in 1500mAh rechargeable Li-ion battery provides long-lasting power.

1. Locate the Micro USB Charging Port on the screwdriver.
2. Connect the provided USB charging cable to the screwdriver's charging port.
3. Connect the other end of the USB cable to a compatible DC or AC power source (e.g., USB wall adapter, computer USB port).
4. The power display lights will blink during charging and remain solid when fully charged.
5. A full charge typically takes approximately 1.5 to 3 hours.

**Note:** For optimal battery life, avoid completely draining the battery before recharging. The battery can be charged or discharged up to 500 times.



Figure 4.1: USB charging of the screwdriver.

## 5. OPERATING INSTRUCTIONS

### 5.1 Powering On/Off and Direction Control

To activate the screwdriver, press and hold either the forward or reverse button for approximately 3 seconds. The tool will automatically shut off after 30 seconds of inactivity to conserve power.

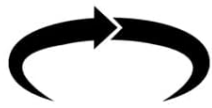
- **Forward Rotation:** Press the forward button (usually indicated by an arrow pointing forward) to tighten

screws.

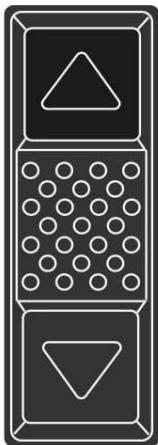
- **Reverse Rotation:** Press the reverse button (usually indicated by an arrow pointing backward) to loosen screws.

# SAFETY

**Press and hold the button for 3s to start  
Automatically shuts off after 30 seconds of non-use**



Forward



Reverse

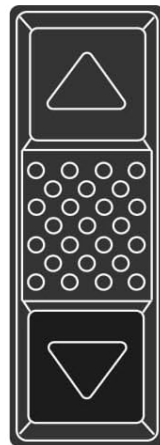


Figure 5.1: Forward and Reverse button operation.

**FORWARD  
REVERSE**

**3 Seconds to start and automatically  
shut off after 30 seconds**



Figure 5.2: Powering on and off with direction control.

## 5.2 Torque and Speed Adjustment

The screwdriver features a torque adjustment knob, allowing you to select from 6 different speed settings (up to 300 RPM) to match the requirements of your task and material.

1. Locate the torque adjustment knob, typically found near the chuck or at the base of the handle.
2. Rotate the knob to select the desired torque setting. Lower settings are suitable for delicate tasks or softer materials, while higher settings provide more power for tougher applications.
3. The maximum torque output is 5N.m.

# 6 SPEED ADJUSTMENT

Torque and speed can be adjusted according to actual needs to achieve the best tightening effect.



Figure 5.3: Torque and speed adjustment knob.



Figure 5.4: Speed adjustment for various applications.

### 5.3 LED Work Light

The integrated LED light automatically illuminates when the screwdriver is in operation, providing clear visibility in dimly lit or confined spaces.



Figure 5.5: LED lights for illuminating the work area.

### 5.4 Using the Flexible Shaft

The included flexible extension hex shaft allows you to reach screws in tight or awkward spaces where the main screwdriver body cannot fit directly.

1. Insert the flexible shaft into the screwdriver's 1/4" magnetic chuck.
2. Insert the desired screwdriver bit into the end of the flexible shaft.
3. Maneuver the flexible shaft to access the screw.

## 6. APPLICATIONS

This electric screwdriver is suitable for a variety of tasks, including but not limited to:

- Assembling and disassembling furniture.
- Installing cabinets and shelves.
- Tightening or loosening screws on bicycles and other small machinery.
- General home improvement projects.
- Working in tight spaces with the flexible shaft.
- Drilling pilot holes with the included drill bits.

# WIDE RANGE OF APPLICATIONS



Figure 6.1: Examples of wide range of applications.



Figure 6.2: Versatility with various bit types and accessories.

## 7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your screwdriver.

- **Cleaning:** Wipe the screwdriver and accessories with a clean, dry cloth after each use. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the screwdriver and all accessories in the provided carrying case in a dry, cool place, away from direct sunlight and moisture.
- **Battery Care:** Recharge the battery regularly, even if not in frequent use, to maintain its health. Avoid storing the battery completely discharged for extended periods.
- **Bit Maintenance:** Keep bits clean and free of debris. Replace worn or damaged bits to ensure efficient and safe operation.

## 8. TROUBLESHOOTING

If you encounter issues with your screwdriver, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Screwdriver does not turn on.	Battery is discharged. Power button not held long enough.	Charge the battery fully. Press and hold the forward or reverse button for 3 seconds to activate.
Screwdriver only rotates in one direction.	Internal switch malfunction.	Ensure both forward and reverse buttons are functioning correctly. If the issue persists, contact customer support.
Reduced power or torque.	Low battery charge. Incorrect torque setting.	Recharge the battery. Adjust the torque knob to a higher setting.
Bits fall out of the chuck.	Bit not fully inserted. Damaged chuck.	Ensure the 1/4" hex shank bit is fully inserted into the magnetic chuck. If the chuck is damaged, contact customer support.

## 9. SPECIFICATIONS

Feature	Detail
Brand	BIELMEIER
Model Name	BCSW-4
Voltage	4 Volts
Wattage	6 watts
Battery Type	1500mAh Lithium Ion
Max Torque	5 Newton Meters (5N.m)
Speed	Up to 300 RPM (6 adjustable settings)
Head Style	Hex
Chuck Size	6.35mm (1/4 inch) Magnetic
Special Features	LED Light, Magnetic Tip, Flexible Shaft compatibility
Dimensions (L x W x H)	10.55 x 6.15 x 2.99 inches
Item Weight	2.48 pounds
Material	Metal
Color	White

## 10. WARRANTY AND SUPPORT

The BIELMEIER 4V Rechargeable Cordless Electric Screwdriver Kit comes with a **5-year warranty**, ensuring peace of mind regarding your purchase.

For any questions, technical support, or warranty claims, please contact BIELMEIER customer service. Refer to the contact information provided on the product packaging or the official BIELMEIER website.

You can also visit the [BIELMEIER Store on Amazon](#) for more product information and support resources.

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