

## BIHOO BHLZ12V

# BIHOO 20V Cordless Drill Driver Set Instruction Manual

## 1. INTRODUCTION AND SAFETY GUIDELINES

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Thank you for choosing the BIHOO 20V Cordless Drill Driver Set. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new tool. Please read it thoroughly before first use and keep it for future reference.

### General Safety Warnings

- Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and gloves.
- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Ensure the battery is fully charged before use and properly inserted.
- Always remove the battery pack before making any adjustments, changing accessories, or storing the tool.
- Use the correct tool for your application. Do not force the tool.

## 2. PACKAGE CONTENTS

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Verify that all items listed below are included in your package:

- 1 x BIHOO 20V Cordless Drill Driver
- 1 x 2.0 Ah Lithium-Ion Battery
- 1 x Fast Charger
- 10 x Screwdriver Bits
- 10 x Drill Bits
- 10 x Screws
- 10 x Wall Anchors
- 1 x Extension Rod

- 1 x Flexible Shaft
- 1 x Cleaning Brush Head

# VARIOUS ACCESSORIES



Screw box



Screwdriver Bit: 10\*25mm



Twist Drill Bits: 6/5/4.5/4/3mm  
Pointed twist drill bits: 6/5/4.5/4/3mm



Flex Shaft Driver (240\*6 mm)



Hexagonal screwdriver holder (6.35\*50mm)



Cleaning brush head



Fast Charger



Figure 2.1: Overview of the BIHOO 20V Cordless Drill Driver Set and its included accessories.

### 3. PRODUCT OVERVIEW

Familiarize yourself with the components of your BIHOO 20V Cordless Drill Driver:

# Large capacity lithium battery

Durable and long-lasting battery life

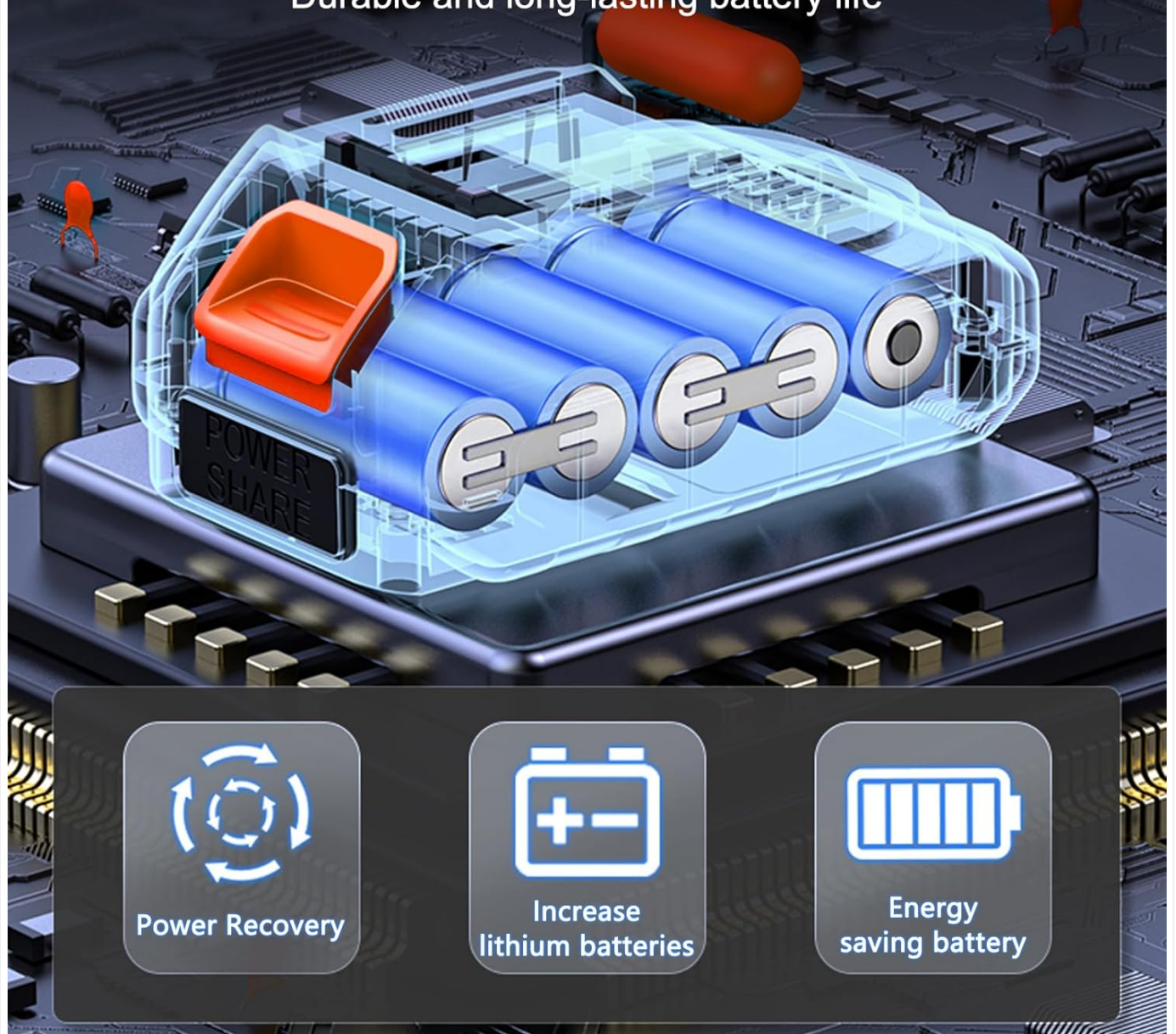


Figure 3.1: Labeled components of the BIHOO 20V Cordless Drill Driver.

1. **10mm (3/8") Keyless Chuck:** For quick and easy bit changes.
2. **25+1 Torque Setting Ring:** Adjusts the driving force for various materials and applications.
3. **Two-Speed Switch:** Selects between low speed (for high torque) and high speed (for drilling).
4. **Heat Dissipation Vent:** Helps prevent overheating during prolonged use.
5. **LED Work Light:** Illuminates the work area for improved visibility.
6. **Variable Speed Trigger:** Controls the drilling/driving speed based on pressure applied.
7. **Ergonomic Handle:** Designed for comfortable grip and reduced fatigue.
8. **Battery Pack:** Removable 20V Lithium-Ion battery.
9. **Lanyard:** For securing the tool.
10. **Forward and Reverse Button:** Changes the rotation direction of the chuck.

## 4. SETUP

## 4.1 Battery Charging

The 20V 2000mAh Lithium-Ion battery should be fully charged before first use. Use only the provided fast charger.

- Connect the charger to a standard power outlet.
- Slide the battery pack onto the charger until it clicks into place.
- The charger indicator light will show the charging status. Refer to the charger's specific instructions for light indications.
- Once fully charged, disconnect the battery from the charger and unplug the charger from the outlet.



Figure 4.1: Representation of the internal structure of the lithium battery.

## 4.2 Installing and Removing Bits

Always ensure the battery pack is removed before installing or removing bits.

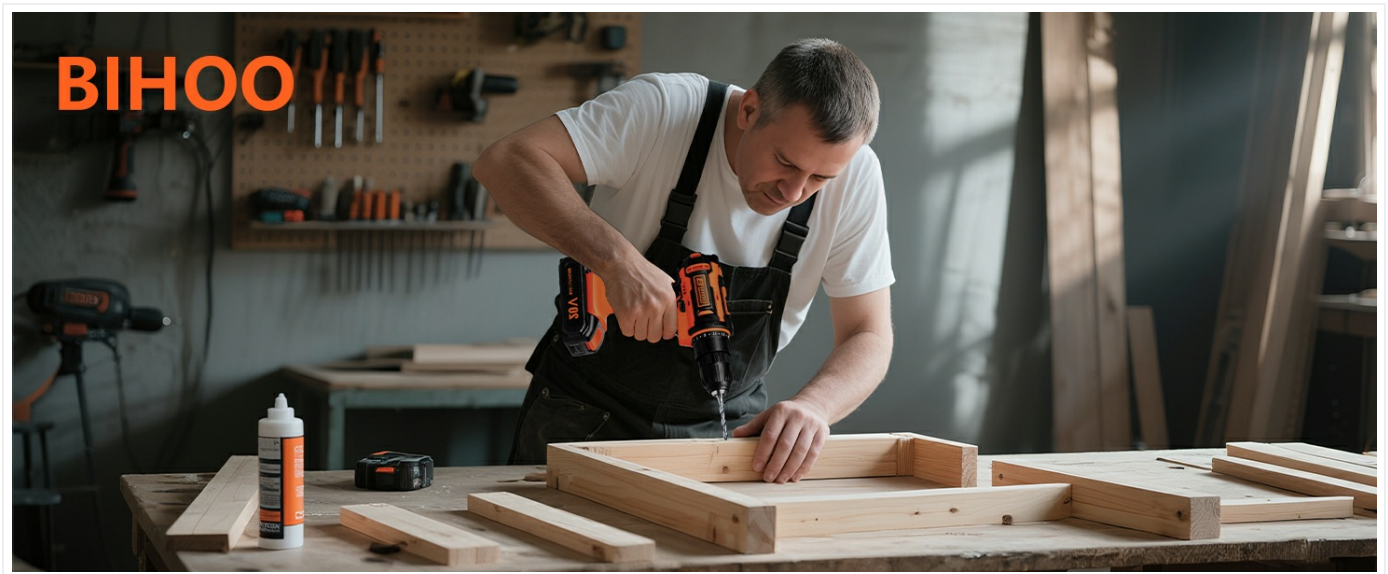


Figure 4.2: Step-by-step guide for bit installation.

1. **Step 1:** Loosen the chuck by rotating it counterclockwise until the jaws are wide enough to accept the bit.
2. **Step 2:** Insert the desired drill bit or screwdriver bit into the chuck. Ensure it is seated as far as possible.
3. **Step 3:** Tighten the chuck by rotating it clockwise until the bit is securely gripped. Hand-tighten firmly.
4. **Step 4:** The tool is now ready for use. To remove, reverse Step 1.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Powering On/Off and Variable Speed

The drill is activated by pressing the variable speed trigger. The speed increases as you apply more pressure to the trigger. Releasing the trigger turns the drill off.

### 5.2 Forward and Reverse Rotation

The forward/reverse button, located above the trigger, controls the direction of the chuck's rotation. Push the button to the left for forward rotation (drilling/driving screws in) and to the right for reverse rotation (removing screws). Center position locks the trigger for safety.

### 5.3 Two-Speed Gear Selector

The two-speed switch allows you to select between two operating speeds:

- **Low Speed (Gear 1):** 0-400 RPM. Provides higher torque for driving screws and drilling larger holes in softer materials.
- **High Speed (Gear 2):** 0-1600 RPM. Ideal for faster drilling in wood, metal, and plastics.

To change speeds, slide the switch located on top of the drill. Ensure the drill is stopped before changing speeds.



Figure 5.1: Two-speed gear selector.

### 5.4 Torque Setting Adjustment (25+1 Positions)

The torque setting ring allows you to adjust the amount of rotational force (torque) the drill applies. This prevents over-tightening screws or damaging materials. The 'drill' symbol bypasses the clutch for maximum torque when drilling.

# 25+1 TORQUE SETTING

Allow Screwdriving Power to be Adjusted to Suit Large or Small Fixings with Little Chance of Damage



Figure 5.2: Torque setting ring with material applications.

Rotate the ring to select the desired torque level. Lower numbers are for smaller screws and softer materials, while higher numbers are for larger screws and harder materials. The 'drill' icon is for drilling applications.

## 5.5 LED Work Light

The integrated LED work light automatically illuminates when the trigger is pressed, providing visibility in dimly lit work areas.

## 5.6 Applications

The BIHOO 20V Cordless Drill Driver is suitable for various tasks:



Figure 5.3: Examples of drill applications.

- **Wood Drilling:** Use appropriate wood drill bits and select a suitable speed/torque.
- **Metal Drilling:** Use metal drill bits and a lower speed setting for harder metals.
- **Plastic Drilling:** Use appropriate drill bits and moderate speed.
- **Screw Driving:** Select the correct screwdriver bit and adjust torque to prevent stripping screws or damaging surfaces.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your tool.

### 6.1 Cleaning

- Always disconnect the battery pack before cleaning.
- Use a soft, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to ensure proper motor cooling. Use compressed air if necessary.
- Clean the chuck jaws regularly to ensure proper bit gripping.

### 6.2 Storage

- Store the drill and accessories in a clean, dry place, away from direct sunlight and extreme temperatures.
- Ensure the battery is partially charged (around 50%) before long-term storage to prolong its lifespan.
- Keep out of reach of children.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Drill does not start	Battery not charged or improperly inserted; Forward/Reverse button in center (locked) position.	Charge battery and ensure it's securely inserted; Push Forward/Reverse button to left or right.

Problem	Possible Cause	Solution
Loss of power during operation	Battery charge low; Overload.	Recharge battery; Reduce pressure or use a lower speed/higher torque setting.
Bit slips in chuck	Chuck not tightened sufficiently; Bit shank is dirty or damaged.	Tighten chuck firmly; Clean or replace bit.
Overheating	Prolonged heavy use; Blocked ventilation.	Allow tool to cool down; Clear ventilation openings.

If the problem persists after attempting these solutions, please contact customer support.

## 8. SPECIFICATIONS

Feature	Specification
Brand	BIHOO
Model Number	BHLDZ12V
Voltage	20 Volts
Battery Type	Lithium Ion
Battery Capacity	2000 Milliamp Hours (2.0 Ah)
No-Load Speed (Low)	0-400 RPM
No-Load Speed (High)	0-1600 RPM
Torque Settings	25+1
Chuck Size	10mm (3/8") Keyless
Product Dimensions	8"L x 3"W x 9"H
Item Weight	3.56 pounds
Special Features	Variable Speed, LED Work Light

## 9. WARRANTY AND SUPPORT

BIHOO products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or replacement parts, please refer to the warranty card included with your purchase or contact BIHOO customer service through the retailer where the product was purchased.

Please retain your proof of purchase for any warranty claims.

