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> User Manual for 20V MAX Cordless Electric Drill Set with LED Light

BIELMEIER BCDK-29 Pink

User Manual: 20V MAX Cordless Electric Drill Set

Model: BCDK-29 Pink | Brand: BIELMEIER

INTRODUCTION

Welcome to the user manual for your new BIELMEIER 20V MAX Cordless Electric Drill Set. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your drill set. Please read it thoroughly before first use and keep it for future reference.

SAFETY INSTRUCTIONS

- Always wear appropriate personal protective equipment (PPE), such as safety glasses, gloves, and hearing protection, when operating the drill.
- Ensure the workpiece is securely clamped or held before drilling.
- 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.
- Store the drill and accessories in a dry, secure location away from children.
- Disconnect the battery pack from the drill before making any adjustments, changing accessories, or storing the tool.

PACKAGE CONTENTS

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

- 1 x 20V MAX Cordless Electric Drill
- 1 x 1.5Ah Lithium-Ion Battery
- 1 x Battery Charger
- 1 x Magnetic Flexible Shaft
- 3 x Woodworking Drill Bits
- 3 x Twist Drill Bits

- 1 x Screwdriver Bit
- 1 x 60mm Magnetic Drill Bit Adapter
- 20 x Screwdriver Bits
- 1 x Belt Clip
- 1 x User Manual (this document)



Image: Complete Bielmeier 20V MAX Cordless Electric Drill Set, showing the drill, battery, charger, flexible shaft, and various drill and screwdriver bits.

PRODUCT FEATURES

The Bielmeier 20V MAX Cordless Electric Drill is designed for versatility and ease of use, featuring:

- **3/8" Keyless Chuck:** Allows for quick and tool-free bit changes.
- **64+1 Torque Settings:** Provides precise control for various drilling and driving applications, preventing stripping of screws.

- **Variable Speed Trigger (0-700 RPM):** Enables precise speed control for different materials and tasks.
- **Forward/Reverse Switch:** Easily change the rotation direction for driving and removing fasteners.
- **LED Working Light:** Illuminates the work area for improved visibility in low-light conditions.
- **Lightweight and Ergonomic Design:** Weighing only 2.64 lbs, it reduces user fatigue during extended use. The rubber-covered handle provides a comfortable and secure grip.
- **Magnetic Flexible Shaft:** Ideal for reaching fasteners in tight or awkward spaces.
- **Long-lasting 1.5Ah Lithium-Ion Battery:** Provides extended runtime and quick charging.

64+1 -TORQUE SETTINGS

Meet all of your needs



Image: Detailed view of the drill's chuck and torque collar, highlighting the 64+1 torque settings for precise control.



Image: Diagram illustrating key features of the Bielmeier drill, including the 3/8-inch keyless chuck, forward/reverse switch, LED light, and variable speed trigger.

SETUP

1. Charging the Battery

Before first use, fully charge the 1.5Ah Lithium-Ion battery. Connect the charger to a standard power outlet and insert the battery pack. The charger's indicator light will show the charging status. Once fully charged, disconnect the battery from the charger.



Image: The drill with its 1500mAh Lithium-Ion replaceable battery pack, emphasizing its high capacity.

2. Installing/Removing the Battery

To install the battery, align the battery pack with the base of the drill handle and slide it in until it clicks securely into place. To remove, press the release button on the battery pack and slide it out.

3. Installing Drill Bits/Accessories

The 3/8-inch keyless chuck allows for easy installation of bits. Rotate the chuck counter-clockwise to open the jaws. Insert the desired drill bit or accessory, ensuring it is fully seated. Rotate the chuck clockwise to tighten the jaws securely around the bit. Always ensure the bit is centered and firmly gripped before operation.

OPERATING INSTRUCTIONS

1. Powering On/Off and Speed Control

The drill is activated by pressing the variable speed trigger. The speed of the drill increases as you press the trigger further. Release the trigger to stop the drill. The drill also features an electric brake for immediate stopping.

2. Adjusting Torque Settings

The torque collar, located behind the chuck, allows you to select from 64+1 torque settings. Rotate the collar to the desired setting. Lower settings are for driving screws to prevent over-tightening or stripping, while higher settings are for drilling into harder materials.

3. Forward/Reverse Operation

The forward/reverse switch is located above the trigger. Push the switch to the left for forward (clockwise) rotation, and to the right for reverse (counter-clockwise) rotation. Ensure the switch is in the center position to lock the trigger and prevent accidental starting.

4. Using the LED Work Light

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



Image: The drill in use, with its LED working light illuminating the area where a screw is being driven into a surface.

5. Using the Flexible Shaft

For hard-to-reach areas, attach the magnetic flexible shaft to the drill's chuck. Then, insert the desired screwdriver bit into

the flexible shaft's magnetic end. This allows for increased maneuverability in confined spaces.



Image: A user demonstrating the flexible shaft accessory, using the drill to drive a screw in a hard-to-reach area inside a cabinet.

MAINTENANCE

1. Cleaning

Regularly clean the drill's ventilation openings to prevent overheating. Use a soft, damp cloth to wipe down the exterior. Do not use harsh chemicals or abrasive cleaners. Keep the chuck free of dust and debris.

2. Battery Care

Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the battery to approximately 50% capacity. Do not store fully discharged batteries.

3. Bit Maintenance

Keep drill bits and screwdriver bits clean and sharp for optimal performance. Replace worn or damaged bits promptly.

TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
Drill does not start	Battery not charged or improperly installed; Forward/Reverse switch in center (locked) position.	Charge battery and ensure it is securely installed; Move F/R switch to forward or reverse position.
Loss of power during operation	Battery is low.	Recharge the battery.
Bit slips in chuck	Chuck not tightened sufficiently; Bit shank is dirty or damaged.	Tighten chuck firmly; Clean or replace bit.
Overheating	Blocked ventilation slots; Excessive continuous use.	Clear ventilation slots; Allow drill to cool down.

SPECIFICATIONS

Brand:	BIELMEIER
Model:	BCDK-29 Pink
Power Source:	Battery Powered
Voltage:	20 Volts
Amperage:	1.5 Amps
Battery Capacity:	1.5Ah Lithium Ion
Maximum Rotational Speed:	700 RPM
Maximum Torque:	350 Inch Pounds (28 Newton Meters)
Chuck Size:	3/8 Inches (Keyless)
Item Weight:	2.6 Pounds
Product Dimensions:	9"L x 7.6"W x 3.1"H
Material:	Plastic, Metal
Special Features:	LED Light, Variable Speed, Forward/Reverse, Belt Clip

WARRANTY AND SUPPORT

This BIELMEIER product comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, accident, unauthorized repairs, or normal wear and tear.

For warranty claims, technical support, or replacement parts, please contact BIELMEIER customer service through the retailer where the product was purchased or visit the official BIELMEIER store on Amazon: [BIELMEIER Store](#).

Please have your model number (BCDK-29 Pink) and proof of purchase ready when contacting support.