

LiTHELi U20DD00-0U120

Litheli 20V Cordless Drill Driver U20DD00-0U120 User Manual

Model: U20DD00-0U120 | Brand: LiTHELi

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Litheli 20V Cordless Drill Driver. Please read it thoroughly before first use and keep it for future reference.



Figure 1: Litheli 20V Cordless Drill Driver with included battery and USB charging cable.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury.

- **Work Area Safety:** Keep your 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.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not use battery packs with any other power tools. Do not disassemble, crush, or incinerate the battery pack.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- Litheli 20V Cordless Drill Driver
- 10000mAh Li-ion Battery Pack
- USB Charging Cable
- User Manual

4. PRODUCT OVERVIEW

The Litheli 20V Cordless Drill Driver is designed for versatile drilling and screwdriving tasks. Key features include:

- **Brushless Motor:** Provides efficient power delivery with a maximum torque of 60 Nm and speeds up to 2000 RPM.
- **17+1 Torque Settings:** Allows precise torque adjustment for various materials and applications.
- **2-Speed Control:** Low speed (0-500 RPM) for high torque screwdriving, high speed (0-2000 RPM) for drilling.
- **Integrated LED Light:** Illuminates the work area for improved visibility in dark spaces.
- **12.7mm Keyless Chuck:** Enables quick and easy bit changes.
- **Ergonomic Design:** Compact and lightweight (1.2 kg tool only) for comfortable handling and reduced fatigue.
- **Forward/Reverse Switch:** For easy screwdriving and bit removal.
- **Detachable Belt Clip:** For convenient carrying during work.
- **Multi-function Battery:** The 10000mAh Li-ion battery is compatible with other Litheli U20 series tools and can function as a power bank with USB-A and USB-C outputs.



Figure 2: Overview of the Litheli 20V Cordless Drill Driver's main features.

5. SETUP

5.1 Battery Installation and Removal

- **Installation:** Align the battery pack with the base of the drill handle. Slide the battery pack into the handle until it clicks securely into place.
- **Removal:** Press the battery release button (usually located on the front or sides of the battery pack) and slide the battery pack out of the handle.

5.2 Battery Charging

The 10000mAh Li-ion battery can be charged via its USB-C port. A 45W charger (not included) is recommended for fast charging.

1. Retrieve the USB charging cable.
2. Connect the USB cable to the Type-C port on the battery.

3. Connect the other end of the USB cable to a compatible charger (up to 45W).



Figure 3: Steps for charging the Litheli 20V battery.

5.3 Chuck Operation (Inserting/Removing Bits)

The drill features a 12.7mm keyless chuck for quick bit changes.

1. Rotate the chuck body counter-clockwise to open the jaws.
2. Insert the drill bit or screwdriver bit fully into the chuck jaws.
3. Rotate the chuck body clockwise to securely tighten the bit by hand. Ensure the bit is centered and firmly gripped.



Figure 4: Keyless chuck operation for bit changes.

6. OPERATING INSTRUCTIONS

6.1 Selecting Speed

The drill driver has a 2-speed selector switch, typically located on top of the tool body.

- **Low Speed (0-500 RPM):** Use for screwdriving applications or when high torque is required for drilling into hard materials.
- **High Speed (0-2000 RPM):** Use for drilling into softer materials or when faster drilling is needed.



Figure 5: Speed settings for different applications.

6.2 Adjusting Torque (Clutch Settings)

The torque adjustment ring is located behind the chuck. It has 17 settings plus a drill mode.

- Rotate the ring to select the desired torque setting. Lower numbers provide less torque, suitable for smaller screws or softer materials to prevent overtightening or stripping. Higher numbers provide more torque.
- Select the drill symbol for maximum torque when drilling.



Figure 6: Torque adjustment ring with 17+1 settings.

6.3 Forward/Reverse Operation

A switch above the trigger controls the direction of rotation.

- Push the switch to the left for forward rotation (clockwise) for drilling and driving screws.
- Push the switch to the right for reverse rotation (counter-clockwise) for removing screws or freeing a jammed drill bit.
- Center the switch to lock the trigger and prevent accidental starting.



Figure 7: Forward/Reverse switch for directional control.

6.4 Using the LED Light

The integrated LED light automatically activates when the trigger is pressed, illuminating the work surface.

6.5 Applications

The Litheli drill driver is suitable for various materials including wood, plastic, metal, and for driving screws.



Figure 8: Examples of drill driver applications.

7. MAINTENANCE

7.1 Cleaning

- Always remove the battery pack before cleaning.
- Use a soft, damp cloth to wipe down the tool's exterior. Do not use harsh chemicals or abrasive cleaners.
- Keep ventilation openings clear of dust and debris to ensure proper cooling.

7.2 Storage

- Store the tool and battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Ensure the battery is partially charged (around 50%) before long-term storage.
- Store out of reach of children.

7.3 Battery Care

- Avoid fully discharging the battery frequently.
- Do not expose the battery to water or excessive heat.
- If the battery will not be used for an extended period, charge it every 3-6 months to maintain its lifespan.

8. TROUBLESHOOTING

If you encounter issues with your drill driver, refer to the following common problems 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.


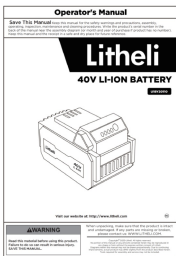



Problem	Possible Cause	Solution
Battery not charging	Charging cable or adapter faulty; Battery too hot/cold.	Check cable and adapter. Allow battery to reach room temperature before charging.
Reduced power or performance	Low battery charge; Incorrect torque setting for task.	Recharge battery. Adjust torque setting to a higher value or switch to drill mode.
Bit slips in chuck	Chuck not tightened sufficiently; Bit shank is dirty or damaged.	Retighten chuck firmly. Clean or replace the bit.

9. SPECIFICATIONS

Feature	Specification
Model Number	U20DD00-0U120
Voltage	20 Volts
Max Torque	60 Newton Meters
No-Load Speed (Low)	0-500 RPM
No-Load Speed (High)	0-2000 RPM
Chuck Size	1/2 inch (12.7 mm) Keyless
Torque Settings	17+1
Battery Type	Li-ion
Battery Capacity	10000mAh
Power Source	Battery Powered
Special Features	Brushless Motor, LED Light, Power Bank Function
Product Dimensions	19 x 12 x 25.5 cm
Item Weight	1.99 Kilograms (with battery)

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or contact the retailer/manufacturer directly. Keep your proof of purchase for warranty claims.

 <p>Лители U20 Бесщеточный ударный гайковерт Модель: U20BS00-EU120 / U20BS00-0U020 Manual No. EPT030010</p> <p>WARNING: This is a power tool. It can cause injury if not used properly. Read the instructions carefully before using the tool. Always use proper safety techniques. Do not use the tool if you are not qualified to use it.</p>	<p>Litheli U20 Brushless Impact Wrench User Manual</p> <p>Comprehensive user manual for the Litheli U20 Brushless Impact Wrench (Model EPT030010, Article Nos. U20BS00-0U120 / U20BS00-0U020), covering safety instructions, operation, maintenance, and warranty.</p>
 <p>Operator's Manual Save This Manual Litheli 40V LI-ION BATTERY Model: U1BY20110</p>	<p>Litheli 40V Li-ion Battery Operator's Manual U1BY20110</p> <p>Comprehensive operator's manual for the Litheli 40V 2.5Ah Lithium-ion Battery Pack (Model U1BY20110), covering safety warnings, usage instructions, charging procedures, maintenance tips, and warranty information.</p>
 <p>Litheli 20V CORDLESS 13" LAWN MOWER Model: D06101852</p>	<p>Litheli 20V Cordless 13" Lawn Mower Operator's Manual</p> <p>Operator's manual for the Litheli 20V Cordless 13" Lawn Mower, including safety instructions, assembly, operation, maintenance, troubleshooting, and warranty information.</p>
 <p>Litheli 20V CORDLESS POLE SAW Model: D06101852</p>	<p>Litheli 20V Cordless Pole Saw Operator's Manual</p> <p>Operator's manual for the Litheli 20V Cordless Pole Saw (Model D06101852, SKU E1PS17000), covering safety instructions, assembly, operation, maintenance, and troubleshooting. Learn how to safely use and maintain your Litheli pole saw.</p>
 <p>Litheli 20V CORDLESS STRING TRIMMER Model: E1-GTBC</p>	<p>Litheli 20V Cordless String Trimmer E1-GTBC Operator's Manual</p> <p>Operator's manual for the Litheli 20V Cordless String Trimmer E1-GTBC, covering safety instructions, tool operation, maintenance, troubleshooting, and warranty information.</p>
	<p>Litheli 20V Cordless Snow Shovel Operator's Manual</p> <p>This operator's manual provides comprehensive instructions for the Litheli 20V Cordless Snow Shovel (Model No.: D10101150, SKU No.: E1SS37013). It covers essential safety information, operation guidelines, maintenance procedures, troubleshooting tips, and warranty details for safe and effective use.</p>