

Elikliv DZ1

Elikliv Cordless Brushless Drill Driver DZ1 Instruction Manual

Model: DZ1

1. INTRODUCTION

Thank you for purchasing the Elikliv Cordless Brushless Drill Driver DZ1. This manual provides essential information for the safe and efficient operation of your new tool. Please read it thoroughly before use and keep it for future reference.

Key Features:

- **Brushless Motor:** Ensures longer motor life, reduced wear, and improved efficiency by eliminating sparks during operation.
- **High Torque Output:** Up to 120 N·m for efficient screw driving and drilling.
- **Versatile Modes:** Driver mode for screws and bolts, and Impact Drill mode for tougher materials like stone and concrete.
- **Battery Compatibility:** Compatible with Elikliv 18V lithium-ion batteries and Makita 18V series batteries (BL1830, BL1840, BL1850, BL1850B, BL1860, BL1860B).
- **Speed Control:** High/low 2-speed settings (0-550rpm / 0-2000rpm) with 21-stage torque adjustment and stepless speed control via trigger.
- **Integrated LED Light:** Illuminates the work area for improved visibility in low-light conditions.
- **Lightweight Design:** Weighs approximately 0.8kg for comfortable and extended use.

2. GENERAL SAFETY INSTRUCTIONS

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

Work Area Safety:

- Keep 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. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety:

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Personal Safety:

- Always wear eye protection. Use safety glasses, goggles, or a face shield.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication.

3. PRODUCT COMPONENTS

各部の名称



Figure 3.1: Elikliv Drill Driver Parts Diagram. This image shows the main components of the drill driver, including the chuck, torque adjustment dial, 2-speed switch, LED light, forward/reverse switch, and trigger.

- **Chuck:** Holds drill bits and driver bits.
- **Torque Adjustment Dial:** Adjusts the tightening force (1-21 settings).
- **2-Speed Switch:** Selects between low speed (1) and high speed (2).
- **LED Light:** Illuminates the work area.
- **Forward/Reverse Switch:** Changes the rotation direction and acts as a safety lock in the middle position.
- **Trigger:** Activates the tool and controls stepless speed.
- **Battery Port:** For attaching the 18V battery.

4. SETUP

4.1 Battery Installation

Ensure the battery is fully charged before use. The drill driver is compatible with Elikliv 18V lithium-ion batteries and Makita 18V series batteries (BL1830, BL1840, BL1850, BL1850B, BL1860, BL1860B).

1. Align the battery with the battery port on the bottom of the drill driver.
2. Slide the battery into the port until it clicks securely into place.
3. To remove the battery, press the release button on the battery and slide it out.

マキタ18Vバッテリーに対応可能

18Vシリーズ: BL1830 BL1840 BL1850 BL1860に対応できます



BL1860



BL1840



BL1850

※注: 本体のみ
充電器とバッテリーなし



Figure 4.1: Battery Compatibility. The image shows the Elikliv drill driver and various Makita 18V batteries (BL1860, BL1840, BL1850) that are compatible with the tool.

4.2 Bit Installation and Removal

The drill driver features a keyless chuck for easy bit changes.

1. To open the chuck, rotate the chuck counter-clockwise (when viewed from the front). The jaws will open.
2. Insert the desired drill bit or driver bit fully into the chuck. For drill bits, ensure it is inserted as far as possible. For

hex shank bits, align the flat sides of the bit with the chuck jaws.

3. To tighten the chuck, rotate it clockwise until the bit is securely held. You should hear a click sound when it's fully tightened.
4. To remove the bit, rotate the chuck counter-clockwise until the jaws open and pull the bit out.

Caution: Bits may become hot immediately after use. Handle with care to avoid burns.



Figure 4.2: Bit Installation and Direction Change. This image illustrates how to loosen and tighten the chuck for bit installation, and how to use the forward/reverse switch.

Video: Bit Installation and Operation

Your browser does not support the video tag.

This video demonstrates the process of installing and removing drill bits, as well as changing the rotation direction of the drill driver.

5. OPERATING INSTRUCTIONS

5.1 Mode Selection

The drill driver offers three operating modes: Driver, Drill, and Impact Drill. To change modes, rotate the mode selection ring located behind the chuck. Always change modes when the tool is stopped.

1. **Driver Mode (Screw Icon):** For driving screws and fasteners. Torque can be adjusted in this mode.
2. **Drill Mode (Drill Bit Icon):** For drilling holes in wood, metal, and plastic. This mode provides maximum torque.
3. **Impact Drill Mode (Hammer Drill Icon):** For drilling into masonry, concrete, and brick. This mode also provides maximum torque.



Figure 5.1: Mode Selection and Torque Adjustment. This image shows the mode selection ring with icons for driver, drill, and impact drill modes, along with torque settings.

5.2 Torque Adjustment

The torque adjustment dial allows you to set the desired tightening force for screw driving. This is available in Driver Mode.

1. Rotate the torque adjustment dial to select a setting from 1 to 21. Lower numbers provide less torque, higher numbers provide more.
2. Align the desired number with the arrow indicator on the tool body.
3. For drilling operations (Drill Mode or Impact Drill Mode), set the dial to the drill bit or hammer drill icon for maximum power.

Caution: Do not use the torque adjustment dial in positions between numbered settings or on the dot marks, as this may cause damage to the tool.

5.3 Speed Adjustment

The drill driver has two main speed settings and stepless speed control via the trigger.

1. **2-Speed Switch:** Located on top of the tool. Slide it to position '1' for low speed (0-550rpm) or '2' for high speed (0-

2000rpm). Always change this switch when the tool is stopped.

2. **Stepless Speed Control:** The speed of rotation can be precisely controlled by the amount of pressure applied to the trigger. Light pressure results in slower speed, while full pressure results in maximum speed.



Figure 5.2: Speed Control. This image highlights the 2-speed switch on top of the tool and the stepless speed control function of the trigger.

5.4 Forward/Reverse Rotation and Safety Lock

The forward/reverse switch is located above the trigger.

1. Push the switch to the left (when viewed from the rear) for forward rotation (clockwise, for tightening screws).
2. Push the switch to the right for reverse rotation (counter-clockwise, for loosening screws).
3. When the switch is in the middle position, the trigger is locked, preventing accidental startup. Always engage the safety lock when not in use or when changing bits.

5.5 LED Work Light

The integrated LED light automatically illuminates when the trigger is lightly pressed, even before the chuck starts

rotating. It turns off a few seconds after the trigger is released. This feature is useful for working in dimly lit areas.



Figure 5.3: LED Work Light. This image shows the LED light illuminating the work area during operation.

Video: Drill Driver Operation Modes

Your browser does not support the video tag.

This video provides a detailed guide on how to use the impact drill driver, including bit installation, mode selection, and speed control.

6. MAINTENANCE

6.1 Cleaning

- Regularly clean the ventilation openings of the tool to prevent overheating.
- Use a soft, damp cloth to wipe down the tool's exterior. Do not use harsh chemicals or abrasive cleaners.
- Keep the chuck jaws clean and free of debris to ensure proper bit gripping.

6.2 Storage

- Store the tool and battery in a cool, dry place, away from direct sunlight and moisture.
- Ensure the safety lock is engaged before storing.
- If storing for extended periods, remove the battery from the tool.



Figure 6.1: Storage Case. The image shows the drill driver and its accessories neatly organized in a durable storage case.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not installed correctly or discharged. Safety lock engaged.	Ensure battery is fully charged and properly inserted. Disengage the forward/reverse switch from the middle (locked) position.
Bit slips in chuck	Chuck not tightened sufficiently. Chuck jaws are dirty.	Tighten the chuck firmly until a click is heard. Clean the chuck jaws of any debris.
Reduced power/speed	Battery low. Incorrect speed setting.	Recharge the battery. Adjust the 2-speed switch to a higher setting if needed.
Overheating	Prolonged heavy use. Blocked ventilation.	Allow the tool to cool down. Clear any obstructions from the ventilation openings.

8. SPECIFICATIONS

Feature	Detail
Brand	Elikliv
Model Number	DZ1
Power Source	Battery Powered
Voltage	18 Volts
Max Torque	120 N·m
Torque Settings	21 Stages
No-Load Speed (Low)	0-550 rpm
No-Load Speed (High)	0-2000 rpm
Chuck Size	10 mm (Max)
Product Weight	0.8 kg
Product Dimensions	25L x 16W x 7H cm
Motor Type	Brushless

9. WARRANTY AND SUPPORT

This product has obtained CE international safety certification, ensuring its safety and quality.

If you encounter any issues with the product, please do not hesitate to contact our customer support team. We are committed to providing prompt assistance and will respond within 24 hours.

Free exchanges are offered for products determined to have initial defects. For any problems during use, please contact us through your order history on Amazon:

1. Go to 'Order History'.
2. Select the relevant order.
3. Click on the product.
4. Click on the 'Store Name'.
5. Select 'Ask a Question'.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question