DEWALT DCD794D1

DEWALT DCD794D1 Cordless Drill Driver Kit

User Instruction Manual

1. Introduction

Thank you for choosing the DEWALT DCD794D1 20V MAX ATOMIC COMPACT SERIES Brushless Lithium-Ion 1/2 inch Cordless Drill Driver Kit. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new drill driver.

The DCD794D1 is a compact yet powerful tool designed for various drilling and driving applications, featuring a brushless motor for extended runtime and durability.

2. Safety Information

WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

General Power Tool Safety Warnings

- **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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use safety glasses or goggles. Wear hearing protection when operating for extended periods. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

Battery Pack Safety

- Do not incinerate the battery pack even if it is severely damaged or is completely dead. The battery pack can explode in a fire.
- Do not charge the battery pack in a damp or wet location.
- Use only DEWALT chargers for charging your DEWALT battery pack.

Proposition 65 Warning: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3. What's in the Box



Image: The complete DEWALT DCD794D1 kit, including the drill driver, a 20V MAX 2.0Ah battery, a battery charger, and a carrying bag.

Your DEWALT DCD794D1 kit includes the following components:

- DEWALT DCD794D1 20V MAX ATOMIC COMPACT SERIES Brushless 1/2 in. Cordless Drill Driver
- 20V MAX 2.0Ah Lithium-Ion Battery
- Battery Charger
- Carrying Bag

4. Product Features



Image: A close-up view of the DEWALT DCD794D1 drill driver, highlighting its compact design and "ATOMIC COMPACT SERIES" branding.

The DEWALT DCD794D1 drill driver is engineered for performance and user comfort:

- **Model:** DCD794D1
- **Voltage:** 20 Volts MAX
- **Amperage:** 2 Amps (Battery Capacity)
- **Power Source:** Battery Powered (Lithium-Ion)
- **Motor Type:** Brushless for increased efficiency and longer tool life.
- **Maximum Rotational Speed:** 1650 RPM
- **Number of Speeds:** 2 (Variable Speed Trigger)
- **Chuck Size:** 1/2 inch

- **Drilling Capacity (Wood):** 0.5 Inches
- **Maximum Power:** 404 Watts
- **Design:** Compact and lightweight, ideal for working in confined spaces.
- **Integrated LED Light:** Positioned for optimal illumination of the work surface.
- **Dimensions (L x W x H):** 7.97" x 2.49" x 7.97"
- **Item Weight:** 4.82 pounds

5. Setup

Charging the Battery

Before first use, fully charge the 20V MAX Lithium-Ion battery. Connect the charger to a standard power outlet. Slide the battery pack onto the charger until it clicks into place. The charger's indicator light will show the charging status. Once fully charged, remove the battery from the charger.

Installing the Battery

Align the battery pack with the receptacle on the bottom of the drill handle. Slide the battery into the handle until it locks securely into place. To remove, press the release button on the battery and slide it out.

Installing/Removing Drill Bits or Driver Bits



Image: Side view of the DEWALT DCD794D1 drill driver, illustrating the chuck mechanism for bit installation.

1. To open the chuck jaws, rotate the chuck collar counter-clockwise.
2. Insert the desired drill bit or driver bit into the chuck. Ensure the bit is centered.
3. Rotate the chuck collar clockwise to tighten the jaws firmly around the bit. Hand-tighten until secure.
4. To remove a bit, rotate the chuck collar counter-clockwise until the jaws open sufficiently.

6. Operating the Drill Driver

Powering On/Off and Variable Speed

The drill driver is activated by pressing the variable speed trigger switch. The speed of the drill is controlled by the amount of pressure applied to the trigger. Pressing the trigger further increases the speed.



Image: A user operating the DEWALT DCD794D1 drill driver to create a hole in a wooden surface, demonstrating its application.

Forward/Reverse Control

A forward/reverse button is located above the trigger. Push the button to the left for forward rotation (drilling/driving screws). Push it to the right for reverse rotation (removing screws). Center the button for the lock-off position, which prevents accidental starting.

Speed Settings

The drill driver features a two-speed gear selector switch located on top of the tool. Position 1 provides lower speed and higher torque, suitable for driving screws and larger drilling applications. Position 2 provides higher speed and lower torque, ideal for smaller drilling tasks.

LED Work Light

The integrated LED work light illuminates the work surface when the trigger is pressed. It remains on for a short period after the trigger is released to provide continued visibility.

7. Maintenance

Cleaning

Regularly clean the ventilation slots of the tool to prevent overheating. Use a soft brush or dry cloth to remove dust and debris. Do not use water or chemical cleaning agents.

Storage

Store the drill driver and battery in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the battery is removed from the tool before storage.

Battery Care

For optimal battery life, avoid fully discharging the battery before recharging. Store batteries with a partial charge if not used for extended periods. Do not store batteries in temperatures above 104°F (40°C) or below 32°F (0°C).

8. Troubleshooting

Problem	Possible Cause	Solution
Drill does not start.	Battery not charged or not properly inserted. Forward/reverse button in lock-off position.	Charge battery and ensure it is fully seated. Move forward/reverse button to desired operating position.
Loss of power during operation.	Battery charge is low. Overload condition.	Recharge battery. Reduce pressure on the tool or use a larger bit/different speed setting.
Chuck not holding bit securely.	Chuck not tightened sufficiently. Debris in chuck jaws.	Ensure chuck is hand-tightened firmly. Clean chuck jaws.

If problems persist after attempting these solutions, contact DEWALT customer service or an authorized service center for assistance.

9. Specifications

Brand	DEWALT
Model	DCD794D1
Power Source	Battery Powered
Voltage	20 Volts
Amperage (Battery)	2 Amps
Maximum Rotational Speed	1650 RPM
Number of Speeds	2
Chuck Size	1/2 inch
Drilling Capacity (Wood)	0.5 Inches
Maximum Power	404 Watts
Product Dimensions (L x W x H)	7.97" x 2.49" x 7.97"
Item Weight	4.82 pounds
Color	Yellow/Black
Material	Blend, Metal

10. Warranty and Support

For warranty information and customer support, please refer to the official DEWALT website or contact their customer

service directly. DEWALT provides comprehensive support for their products.

Keep your purchase receipt and product model number (DCD794D1) handy when contacting support.

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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.

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