Ferm CDM 1090 COR DRILL

Ferm Cordless Electric CDM 1090 COR DRILL User Manual

Model: CDM 1090 COR DRILL

Introduction

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your Ferm Cordless Electric CDM 1090 COR DRILL. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.

Safety First:

- Always wear appropriate personal protective equipment (PPE) such as safety glasses, gloves, and hearing protection.
- Ensure the work area is well-lit and clear of obstructions.
- Keep children and bystanders away while operating the tool.
- Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Refer to local regulations for proper disposal of batteries and tools.

Product Overview

The Ferm Cordless Electric CDM 1090 COR DRILL is a versatile rotary tool designed for various drilling and driving tasks. Its cordless design provides portability and convenience.

Figure 1: Ferm Cordless Electric CDM 1090 COR DRILL. This image shows the complete drill with its 18V battery attached. The drill features a blue and black body with orange accents on the trigger and function selector. The keyless chuck is visible at the front, and the torque setting ring is located behind it. The Ferm logo is clearly displayed on the side.

Key Features:

- 18 Volt, 1.3 Ah Battery: Provides cordless power for extended use.
- Adjustable Torque Settings: Allows for precise control over fastening applications.
- Special Drill Mode: Dedicated setting for drilling tasks.
- Variable Electronic Speed Control: Enables speed adjustment for different materials and applications.
- Keyless Chuck: Facilitates quick and easy bit changes without a chuck key.

Setup

1. Battery Charging and Installation:

1. **Charging:** Before first use, fully charge the 18V battery using the provided charger. Refer to the charger's instruction manual for specific charging procedures and indicators.
2. **Installation:** Align the battery pack with the base of the drill handle. Slide the battery into place until it clicks securely. Ensure it is firmly seated before operation.
3. **Removal:** To remove the battery, press the release buttons (usually on the sides of the battery pack) and slide the battery out.

2. Installing Drill Bits or Driver Bits:

1. **Open Chuck:** Rotate the front collar of the keyless chuck counter-clockwise until the jaws are open wide enough to accept the bit.
2. **Insert Bit:** Insert the desired drill bit or driver bit into the chuck jaws. Ensure the bit is inserted as far as possible to provide maximum grip and stability.
3. **Tighten Chuck:** Rotate the front collar of the keyless chuck clockwise until the jaws firmly grip the bit. Hand-tighten securely. Do not overtighten.
4. **Verify:** Gently pull on the bit to ensure it is securely fastened and will not slip during operation.

Operating Instructions

1. Powering On/Off and Speed Control:

- **On/Off Trigger:** Squeeze the trigger switch to start the drill. Release the trigger to stop it.
- **Variable Speed:** The drill features variable electronic speed control. The speed increases as you press the trigger further. This allows for precise control, especially when starting a hole or driving screws.

2. Forward/Reverse Rotation:

- A forward/reverse selector switch is located above the trigger.
- Push the switch to the left for forward rotation (for drilling and driving screws).
- Push the switch to the right for reverse rotation (for removing screws or backing out bits).
- When the switch is in the center position, the trigger is locked, preventing accidental startup. Always engage the lock when not in use or when changing bits.

3. Torque Settings and Drill Mode:

- **Adjustable Torque:** The torque setting ring, located behind the chuck, allows you to select the desired torque level. Lower numbers are for driving small screws or working with soft materials, while higher numbers are for larger screws or harder materials.
- **Drill Mode:** For drilling applications, rotate the torque setting ring to the drill symbol. This bypasses the clutch and provides maximum power for drilling.

4. General Operation Tips:

- Always hold the drill firmly with both hands if possible, especially during high-torque applications.
- Apply steady, even pressure. Do not force the drill.
- For drilling, start with a slow speed to create a pilot hole, then increase speed as needed.
- For driving screws, select a torque setting that prevents stripping the screw head or damaging the workpiece.

MAINTENANCE

1. Cleaning:

- Regularly clean the ventilation openings of the drill to prevent overheating. Use a soft brush or compressed air.
- Wipe the tool's exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the chuck jaws are free of debris for optimal bit gripping.

2. Battery Care:

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store batteries in a discharged state for extended periods. Recharge them periodically.
- Avoid dropping or physically damaging the battery pack.

3. Storage:

- Store the drill and its accessories in a dry, secure location, out of reach of children.
- If storing for an extended period, remove the battery from the drill.
- The product description mentions a "Heavy duty storage case" - utilize this for organized and

protected storage.

Troubleshooting

Problem	Possible Cause	Solution
Drill does not start.	Battery not charged or improperly installed. Forward/reverse switch in center (locked) position.	Ensure battery is fully charged and correctly installed. Move forward/reverse switch to either forward or reverse position.
Loss of power during operation.	Battery charge is low. Overload protection activated.	Recharge the battery. Reduce pressure on the tool or use a sharper bit. Allow the tool to cool down if it feels hot.
Bit slips in chuck.	Chuck not tightened sufficiently. Chuck jaws are dirty.	Retighten the chuck firmly by hand. Clean chuck jaws of any debris. Ensure bit shank is clean.
Excessive vibration or noise.	Damaged or dull bit. Loose components.	Replace with a sharp, undamaged bit. Check for any loose parts and tighten if safe to do so. If problem persists, discontinue use and contact support.

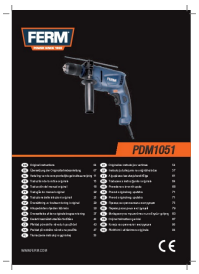
Specifications

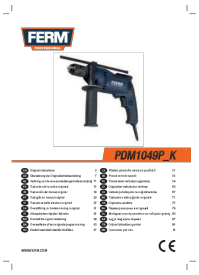
Feature	Detail
Brand	Ferm
Model Number	CDM 1090 COR DRILL
Type	Rotary Tool
Power Source	Cordless Electric
Voltage	18 Volts
Amperage	1.3 Amps
Battery Capacity	1.3 Ah
Special Features	Variable Speed, Adjustable Torque Settings, Special Drill Mode, Keyless Chuck
Batteries Required	Yes
Date First Available	1 April 2021

Warranty and Support

Ferm products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Ferm website. Keep your purchase receipt as proof of purchase.
For technical assistance, spare parts, or service, please contact Ferm customer support. Contact details can typically be found on the product packaging, the official website, or your local retailer's information.

Related Documents - CDM 1090 COR DRILL

	FERM CDM1164 20V Cordless Drill User Manual and Instructions Comprehensive user manual and safety instructions for the FERM CDM1164 20V Cordless Li-Ion Drill. Learn about operation, maintenance, and safety guidelines provided by FERM.
	FERM CDM1149 20V Cordless Drill User Manual Comprehensive user manual for the FERM CDM1149 20V Cordless Drill, covering safety instructions, machine information, operating procedures, maintenance, and warranty.
	FERM HDM1052 20V Cordless Rotary Hammer User Manual & Safety Guide Comprehensive user manual and safety guide for the FERM HDM1052 20V Cordless Rotary Hammer, covering operation, maintenance, and technical specifications for safe and effective use.
	FERM HDM1037 Rotary Hammer Drill User Manual This user manual provides instructions and safety information for the FERM HDM1037 Rotary Hammer Drill. It covers intended use, technical specifications, assembly, operation, cleaning, maintenance, and warranty.
	Ferm PDM1051 Impact Drill: User Manual, Safety Instructions & Specifications Discover the Ferm PDM1051 Impact Drill, a versatile and powerful tool for drilling wood, metal, plastic, brick, and concrete. This user manual provides essential safety warnings, operating instructions, technical specifications, and maintenance guidelines for optimal performance and user protection. Featuring variable electronic speed and double insulation, the PDM1051 is designed for reliability and ease of use.



[FERM PDM1049P_K Impact Drill: User Manual, Safety Instructions, and Specifications]

Comprehensive user manual for the FERM PDM1049P_K Impact Drill, covering safety instructions, technical specifications, operating procedures, maintenance, and warranty information.