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> Einhell TE-CD Power X-Change 18-Volt Cordless 2-Speed 1250 RPM MAX, 20+1 Torque Setting Workshop Drill/Driver, w/Case, Belt Clip, Keyless Chuck, Built-in LED, Kit (w/ 2x1.5-Ah Battery + Fast Charger) - Instruction Manual

Einhell TE-CD Power X-Change

Einhell TE-CD Power X-Change 18-Volt Cordless Drill/Driver Instruction Manual

Model: TE-CD Power X-Change

1. INTRODUCTION

The Einhell TE-CD 18/2 Li cordless drill/driver is a powerful, robust, and versatile tool designed for a wide range of screwdriving and drilling tasks in home, workshop, and garage environments. Utilizing advanced lithium-ion technology, this drill is engineered to be compact, lightweight, and exceptionally easy to handle, ensuring user comfort and reduced fatigue during extended use.

Its robust 2-speed metal gearing and powerful motor deliver high torque, providing ample power for both precise screwdriving and rapid drilling operations. The integrated single-sleeve 3/8 inch (10mm) quick-change drill chuck features a quick-stop function for efficient bit changes. Additionally, a built-in LED lamp illuminates the work area, enhancing visibility and accuracy.

Key Features:

- **Power X-Change System:** Compatible with all Einhell Power X-Change 18-Volt batteries, offering versatility across a wide range of tools and garden equipment.
- **Versatile Performance:** Suitable for demanding drilling and driving jobs.
- **Adjustable Torque:** Features 21 torque settings and 2-speed gearing for optimal control across various materials and applications.
- **Integrated LED Light:** Illuminates the work area for improved visibility and precision.
- **Complete Kit:** Includes two 1.5-Ah Power X-Change batteries, a fast charger, and a durable transport and storage case.

2. SAFETY INSTRUCTIONS

Always adhere to fundamental safety precautions when operating power tools to minimize the risk of electric shock, fire, and serious injury. Read and understand all instructions before use.

- **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 such as pipes, radiators, ranges, and refrigerators. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool 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 other than those specifically designated for the tool.

3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your Einhell TE-CD Power X-Change drill/driver for safe and effective operation.



Figure 3.1: Main Product View. This image displays the Einhell TE-CD Power X-Change cordless drill/driver, showcasing its ergonomic design, keyless chuck, and the attached 1.5-Ah Power X-Change battery. The red and black color scheme is characteristic of Einhell tools.



Figure 3.2: Keyless Chuck. A top-down view of the drill's 3/8 inch (10mm) keyless chuck, highlighting its quick-change mechanism for easy insertion and removal of drill bits and screwdriver bits.



Figure 3.3: Integrated LED Light. This image demonstrates the effectiveness of the built-in LED light, which automatically illuminates the work surface when the trigger is pressed, providing clear visibility in dimly lit conditions.



Figure 3.4: Power X-Change Ecosystem. An illustrative diagram showing the extensive range of Einhell tools and garden equipment that are compatible with the Power X-Change 18-Volt battery system, emphasizing the "1 Battery. 1000 Possibilities" concept.

4. SETUP

4.1 Battery Charging

Before first use, fully charge the battery pack. Use only the supplied Einhell fast charger.

1. Connect the charger to a suitable power outlet.
2. Slide the battery pack onto the charger until it clicks into place.
3. The charging indicator light on the charger will show the charging status. A full charge typically takes approximately 30 minutes for the 1.5-Ah battery.
4. Once fully charged, remove the battery from the charger.

4.2 Battery Installation and Removal

To install the battery, align the battery pack with the receptacle on the base of the drill handle and slide it in until it locks securely. To remove, press the release button(s) on the sides of the battery pack and slide it out.

4.3 Chuck Operation (Inserting/Removing Bits)

The drill features a keyless chuck for quick and easy bit changes.

1. To open the chuck, hold the rear part of the chuck and rotate the front part counter-clockwise until the jaws are wide enough to accept the bit.
2. Insert the drill bit or screwdriver bit fully into the chuck jaws.
3. To tighten, hold the rear part of the chuck and rotate the front part clockwise until the bit is securely clamped. The quick-stop function assists in tightening.
4. To remove a bit, reverse the tightening procedure.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

The drill is activated by pressing the trigger switch. The speed of the drill is variable and controlled by the amount of pressure applied to the trigger. Releasing the trigger will stop the drill.

5.2 Speed Selection

The drill features a 2-speed gearbox, allowing you to select the appropriate speed range for your task.

- **Gear 1 (Low Speed):** Ideal for high-torque applications such as screwdriving or drilling large diameter holes in tough materials.
- **Gear 2 (High Speed):** Suitable for fast drilling in softer materials or smaller diameter holes.

To change gears, slide the gear selector switch located on top of the drill. Ensure the drill is completely stopped before changing gears to prevent damage.

5.3 Torque Setting

The torque collar allows you to adjust the amount of torque applied, preventing overtightening of screws or stripping screw heads. It has 21 settings plus a drill mode.

- Rotate the torque collar to the desired setting. Lower numbers are for smaller screws or softer materials; higher numbers are for larger screws or harder materials.
- For drilling, set the collar to the drill symbol (usually indicated by a drill bit icon) for maximum torque.

5.4 Drilling and Screwdriving Tips

- Always use sharp, appropriate bits for the material you are working with.
- Apply steady, even pressure. Do not force the drill.
- For screwdriving, start with a lower torque setting and increase if necessary.

- When drilling, allow the drill to do the work. Excessive pressure can cause the motor to overheat or the bit to break.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your drill/driver.

6.1 Cleaning

- Always disconnect the battery pack before cleaning.
- Keep the ventilation openings clear and free of dust. Use a soft brush or compressed air to clean.
- Wipe the tool housing with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

6.2 Storage

- Store the drill/driver and accessories in the supplied transport and storage case.
- Store in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.
- Keep out of reach of children.

6.3 Battery Care

- For long-term storage, charge the battery to approximately 50-70% capacity.
- Avoid storing batteries in extreme temperatures.
- Do not allow batteries to fully discharge for extended periods, as this can reduce their lifespan.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your drill/driver.

Problem	Possible Cause	Solution
Drill does not start.	Battery not charged or improperly installed.	Ensure battery is fully charged and securely inserted.
Loss of power during operation.	Battery low or tool overloaded.	Recharge battery. Reduce pressure or use a higher torque setting.
Chuck not holding bit securely.	Bit not inserted fully or chuck not tightened enough.	Ensure bit shank is fully seated. Retighten chuck firmly.
Overheating.	Continuous heavy use or blocked ventilation.	Allow tool to cool down. Clear ventilation openings.

8. SPECIFICATIONS

Detailed technical specifications for the Einhell TE-CD Power X-Change 18-Volt Cordless Drill/Driver.

Feature	Value
Brand	Einhell
Model Number	TE-CD Power X-Change
Power Source	Battery Powered
Voltage	18.00 Volts
Battery Capacity	1.5 Amp Hours (each battery)
Maximum Rotational Speed	1250 RPM
Number of Speeds	2
Torque Settings	20+1 (Drill Mode)
Maximum Torque	13 Newton Meters
Maximum Chuck Size	10 Millimeters (3/8 inch)
Item Weight	9.04 Pounds
Product Dimensions	13"L x 13"W x 4"H
Material	Metal, Plastic
UPC	810000340101

9. WARRANTY AND SUPPORT

Einhell products are manufactured to high quality standards and undergo strict quality controls. This product is covered by a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions, including warranty period and coverage details.

For technical support, spare parts, or warranty claims, please contact Einhell customer service. Contact information can typically be found on the Einhell official website or within your product documentation.

You may also visit the official Einhell website for additional resources, FAQs, and product registration:www.einhell.com

