

EMTOP ECDL12456

EMTOP 12V Cordless Drill Machine User Manual

Model: ECDL12456

1. IMPORTANT SAFETY INSTRUCTIONS

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.

1.1 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:** 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.
- **Personal Safety:** Always wear eye protection. Use personal protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection when appropriate.

1.2 Drill Specific Safety Warnings

- Hold the power tool by insulated gripping surfaces when performing an operation where the fastener may contact hidden wiring.
- Always ensure the workpiece is securely clamped or held.
- Do not force the drill. Let the tool do the work at the appropriate speed.
- Ensure the drill bit is securely fastened in the chuck before operation.

1.3 Battery Pack Safety Warnings

- Do not disassemble, open, or shred battery packs.
- Do not expose battery packs to heat or fire. Avoid storage in direct sunlight.
- Do not short-circuit a battery pack.
- In case of battery leakage, avoid contact with skin and eyes. If contact occurs, wash with plenty of water and seek medical advice.

2. PRODUCT OVERVIEW

The EMTOP 12V Cordless Drill Machine (Model ECDL12456) is a versatile tool designed for drilling and screwdriving tasks in various materials such as wood, plastic, and light metals. It features adjustable torque settings and a variable speed motor for precise control.

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EMTOP 12V CORDLESS DRILL



Figure 1: EMTOP 12V Cordless Drill Machine, showing the main unit, detachable battery, and a Cr-V bit. This image illustrates the compact design and key components included.

2.1 Key Features

- **Powerful Performance:** 20Nm max torque and 0–750 RPM no-load speed for efficient drilling and screwdriving.
- **Precise Control:** 15+1 torque settings to prevent over-driving screws and optimize performance for different materials.
- **Quick Bit Changes:** 0.8–10mm plastic chuck for easy and secure bit installation.
- **Modern Charging:** 1.5Ah battery pack (EBPK12153) with USB Type-C charging capability.
- **Included Accessory:** Comes with 1 Cr-V 65mm bit.

3. SETUP AND ASSEMBLY

3.1 Unpacking

Carefully remove all contents from the packaging. Verify that all items listed in the "What's in the Box" section are present and undamaged. Retain packaging for future storage or transport.

- EMTOP 12V Cordless Drill Machine
- 1.5Ah Battery Pack (EBPK12153)
- Cr-V 65mm Bit
- User Manual

3.2 Charging the Battery

The battery pack (EBPK12153) may not be fully charged upon purchase. It is recommended to fully charge the battery before first use.

1. Connect a USB Type-C charging cable (not included) to the charging port on the battery pack.
2. Connect the other end of the USB Type-C cable to a compatible USB power adapter (e.g., phone charger, computer USB port).
3. Allow the battery to charge until the indicator light (if present) shows a full charge. Charging time may vary depending on the power source.

USB TYPE-C CHARGING FOR MODERN CONVENIENCE



1.5AH BATTERY PACK



Figure 2: The 1.5Ah battery pack (EBPK12153) featuring a USB Type-C charging port for convenient power replenishment.

3.3 Installing/Removing the Battery Pack

1. **Installation:** Align the battery pack with the base of the drill handle. Slide the battery pack firmly into place until it clicks, indicating it is securely locked.
2. **Removal:** Press the battery release buttons (usually on the sides of the battery pack) and slide the battery pack out of the drill handle.

3.4 Installing/Removing Drill Bits

1. **Installation:** Rotate the chuck counter-clockwise to open the jaws. Insert the drill bit or screwdriver bit into the chuck, ensuring it is centered and inserted as far as possible. Rotate the chuck clockwise to tighten the jaws securely around the bit.
2. **Removal:** Rotate the chuck counter-clockwise to loosen the jaws and remove the bit.

QUICK BIT CHANGE & SECURE HOLD



**0.8-10MM
PLASTIC CHUCK**



Figure 3: Close-up view of the 0.8-10mm plastic chuck, demonstrating its mechanism for quick and secure bit changes.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

The drill is activated by pressing the trigger switch. The speed is variable, depending on how far the trigger is pressed. Release the trigger to turn off the drill.

4.2 Adjusting Torque Settings

The drill features 15+1 torque settings. The torque adjustment ring is located behind the chuck. Rotate the ring to select the desired torque level. The higher the number, the greater the torque. The drill setting (represented by a drill bit icon) is for drilling applications where maximum torque is required.

PRECISE CONTROL FOR EVERY APPLICATION



Figure 4: The torque adjustment ring on the EMTOP drill, showing the 15+1 settings for precise control during various applications.

4.3 Drilling and Screwdriving

1. Select the appropriate drill bit or screwdriver bit for your task.
2. Adjust the torque setting. For drilling, use the drill icon setting. For screwdriving, start with a lower torque and increase as needed to prevent stripping screws.
3. Position the bit on the workpiece.
4. Press the trigger switch to start the drill. Apply steady, even pressure.
5. For drilling, maintain a straight angle to the workpiece. For screwdriving, ensure the bit is fully engaged with the screw head.

**20NM MAX TORQUE****0-750 RPM SPEED****STRONG & EFFICIENT DRILLING**

Figure 5: A user demonstrating the EMTOP drill in action, highlighting its strong and efficient drilling capabilities with 20Nm max torque and 0-750 RPM speed.

The logo for EMTOP, featuring the brand name in a bold, red, sans-serif font.A person wearing a light blue work shirt is using a red EMTOP cordless drill to drive a screw into a wooden surface. The drill has a black and silver chuck and a red body. The person's hands are visible, holding the drill and a screwdriver bit.

**INCLUDES
CR-V 65MM BIT**



STRONG



RELIABLE



READY TO USE



Figure 6: A user performing a screwdriving task with the EMTOP drill, utilizing the included Cr-V 65mm bit for reliable fastening.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your EMTOP 12V Cordless Drill Machine.

5.1 Cleaning

- Always disconnect the battery pack before cleaning.
- Use a soft, damp cloth to wipe down the exterior of the drill. Do not use harsh chemicals or abrasive cleaners.
- Clear any dust or debris from the ventilation openings using compressed air or a soft brush.
- Clean the chuck jaws regularly to ensure proper bit gripping.

5.2 Storage

- Store the drill and battery pack in a cool, dry place, away from direct sunlight and moisture.
- Ensure the battery is partially charged (around 50%) before long-term storage to prolong its lifespan.

- Keep out of reach of children.

5.3 Battery Care

- Do not overcharge or deep discharge the battery.
- If the battery is not used for extended periods, charge it every 3-6 months.
- Replace the battery pack if its performance significantly degrades.

6. TROUBLESHOOTING

If you encounter issues with your EMTOP 12V Cordless Drill Machine, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drill does not start.	Battery not charged or not properly installed.	Charge the battery. Ensure the battery pack is securely clicked into place.
Reduced power or speed.	Low battery charge. Overload.	Recharge the battery. Reduce pressure on the drill or use a lower torque setting.
Bit slips in chuck.	Chuck not tightened sufficiently. Bit shank is dirty or damaged.	Ensure the chuck is tightened firmly. Clean the bit shank. Replace damaged bits.
Battery not charging.	Faulty USB cable or power adapter. Battery too hot/cold.	Try a different USB cable and power adapter. Allow battery to reach room temperature.

If the problem persists after attempting these solutions, please contact customer support.

7. SPECIFICATIONS

Technical specifications for the EMTOP 12V Cordless Drill Machine (ECDL12456):

Feature	Specification
Model Number	ECDL12456
Voltage	12 Volts
Maximum Torque	20 Newton Meters
No-Load Speed	0-750 RPM
Torque Settings	15+1
Chuck Size	0.8-10 mm (Plastic Chuck)
Battery Capacity	1.5 Ah (EBPK12153)
Charging Type	USB Type-C
Included Bit	1 Cr-V 65mm Bit
Product Dimensions (L x W x H)	15L x 8W x 12H Centimeters

Feature	Specification
Item Weight	1 Kilogram
Material	Plastic

8. WARRANTY AND SUPPORT

8.1 Manufacturer's Warranty

This EMTOP 12V Cordless Drill Machine (ECDL12456) comes with a **1 Year Manufacturing Defect Warranty**. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, accidents, unauthorized repairs, or normal wear and tear. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, warranty claims, or general inquiries, please contact EMTOP customer support.

- **Manufacturer:** EMTOP
- **Packer Contact Information:** EMTOP
- **Importer Contact Information:** EMTOP
- *Specific contact details (phone number, email, website) are not provided in the product data. Please refer to the product packaging or official EMTOP website for direct support contact.*

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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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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