

Valex LI-HOME 112

Valex LI-HOME 112 12V Lithium-Ion Cordless Drill Driver Instruction Manual

1. INTRODUCTION AND SAFETY INFORMATION

Thank you for choosing the Valex LI-HOME 112 12V Lithium-Ion Cordless Drill Driver. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your tool. Please read these instructions carefully before use and keep them for future reference.

General Safety Warnings

- Always wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.
- Ensure your work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away while operating the power tool.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Avoid accidental starting. Ensure the switch is in the off-position before connecting to a battery pack, picking up or carrying the tool.
- 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.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

2. PRODUCT OVERVIEW

The Valex LI-HOME 112 is a versatile 12V cordless drill driver designed for various drilling and screw-driving tasks. It features a compact design, a keyless chuck for quick bit changes, an integrated LED work light, and a reversible function for efficient operation.



An image showing the Valex LI-HOME 112 cordless drill driver. The tool is red and black, featuring a keyless chuck, a torque adjustment collar with settings from 1 to 21, a trigger, and a forward/reverse switch. The base of the handle indicates 'Powered by Lithium Ion Technology'.

Key Components

1. **Keyless Chuck:** For quick and easy bit insertion and removal.
2. **Torque Adjustment Collar:** Allows selection of torque settings for driving screws and a drill mode for drilling.
3. **Forward/Reverse Switch:** Controls the direction of rotation.
4. **Trigger Switch:** Activates the tool and provides variable speed control.
5. **LED Work Light:** Illuminates the work area.
6. **Soft Grip Handle:** Provides comfortable and secure handling.
7. **Battery Compartment:** Houses the 12V Lithium-Ion battery (battery not included).

3. SETUP

Battery Installation and Charging

The Valex LI-HOME 112 requires a 12V Lithium-Ion battery, which is not included with the tool. Ensure you use a compatible Valex 12V Lithium-Ion battery and charger.

- **To Install Battery:** Align the battery pack with the slot in the tool's handle and slide it in until it clicks securely into place.
- **To Remove Battery:** Press the battery release button (if present) and slide the battery pack out of the handle.
- **Charging:** Always charge the battery pack using the specified Valex charger. Refer to the charger's instruction manual for detailed charging procedures. Do not use damaged battery packs or chargers.

Inserting and Removing Drill Bits/Driver Bits

1. Ensure the tool is switched off and the forward/reverse switch is in the neutral (locked) position.
2. Grip the rear part of the keyless chuck firmly with one hand.
3. Rotate the front part of the chuck counter-clockwise to open the chuck jaws.
4. Insert the drill bit or driver bit into the chuck as far as it will go.
5. Rotate the front part of the chuck clockwise to tighten the jaws securely around the bit. Ensure the bit is centered and firmly held.
6. To remove a bit, reverse the tightening process.

4. OPERATING INSTRUCTIONS

Forward/Reverse Rotation

The forward/reverse switch is located above the trigger. Push the switch to the left for forward rotation (drilling and driving screws) and to the right for reverse rotation (removing screws or freeing a jammed bit). When the switch is in the center position, the trigger is locked, preventing accidental activation.

Variable Speed Control

The trigger switch provides variable speed control. The harder you press the trigger, the faster the chuck will rotate. This allows for precise control, especially when starting a hole or driving screws.

Torque Adjustment

The torque adjustment collar, located behind the chuck, allows you to select the desired torque setting. The settings range from 1 to 21, with '21' providing the maximum torque for driving screws. The drill symbol (⚙️) indicates drill mode, which provides full power for drilling applications without the clutch engaging.

- **For Driving Screws:** Start with a lower torque setting and increase it as needed until the screw is driven flush without stripping the screw head or damaging the workpiece.
- **For Drilling:** Always select the drill symbol (⚙️) for maximum power and efficiency.

LED Work Light

The integrated LED work light automatically illuminates when the trigger is pressed, providing visibility in dimly lit work areas. It turns off shortly after the trigger is released.

Operating Tips

- Always secure your workpiece to prevent movement during operation.
- Apply steady, even pressure to the tool. Do not force the drill.

- For drilling, start with a pilot hole if necessary, especially in hard materials.
- When driving screws, ensure the driver bit is fully seated in the screw head to prevent cam-out.
- The tool features an immediate rotation stop for enhanced control and safety.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Valex LI-HOME 112 drill driver.

Cleaning

- Always disconnect the battery pack before cleaning.
- Use a soft, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to prevent overheating. Use compressed air if necessary.
- Clean the chuck jaws regularly to ensure proper grip on bits.

Storage

- Store the tool and battery pack in a cool, dry place, away from direct sunlight and moisture.
- Ensure the battery pack is removed from the tool before storage.
- Store out of reach of children.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your drill driver.

Problem	Possible Cause	Solution
Tool does not start	Battery not inserted correctly or discharged; Forward/reverse switch in neutral (locked) position.	Ensure battery is fully charged and properly inserted. Move forward/reverse switch to forward or reverse position.
Reduced power or speed	Battery charge is low; Overload; Incorrect torque setting.	Recharge the battery. Reduce pressure on the tool. Adjust torque collar to a higher setting or drill mode.
Bit slips in chuck	Chuck not tightened sufficiently; Bit shank is dirty or damaged.	Retighten the chuck firmly. Clean or replace the bit.
Tool overheats	Blocked ventilation slots; Continuous heavy use.	Clean ventilation slots. Allow the tool to cool down during prolonged use.

7. SPECIFICATIONS

Technical data for the Valex LI-HOME 112 Cordless Drill Driver:

- **Model:** LI-HOME 112
- **Brand:** Valex
- **Voltage:** 12 Volt
- **Chuck Type:** Keyless
- **Chuck Capacity:** 10 mm
- **Maximum No-Load Speed:** 0-650 Revolutions per minute (RPM)

- **Maximum Torque:** 12 Newton Meters (Nm)
- **Power Source:** Battery (Lithium-Ion)
- **Weight (Tool only):** Approximately 2 kg
- **Special Features:** LED Work Light, Reversible Function, Immediate Rotation Stop, Steel Gears, Compact Design, Soft Grip Handle.
- **Battery/Charger:** Not included (requires Valex 12V Lithium-Ion battery and compatible charger).

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Valex LI-HOME 112 Cordless Drill Driver, please refer to the warranty card included with your purchase or contact Valex customer service directly. Keep your proof of purchase for any warranty claims.

For further assistance, visit the official Valex website or contact your local authorized Valex dealer.

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