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Makita XT610

Makita XT610 18V LXT Lithium-Ion Cordless 6 Piece Combo Kit User Manual

Model: XT610 | Brand: Makita

1. Introduction

This user manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita XT610 18V LXT Lithium-Ion Cordless 6 Piece Combo Kit. This comprehensive kit includes a 1/2" Hammer Driver-Drill, an Impact Driver, a 6-1/2" Circular Saw, a Recipro Saw, a 4-1/2" Brushless Angle Grinder, a Xenon Flashlight, two 18V LXT 3.0Ah batteries, a Rapid Optimum Charger, and a tool bag.

The Makita 18V LXT Lithium-Ion series is designed for professional users, offering a wide range of cordless solutions with fast charge times and Star Protection Computer Controls for enhanced tool performance and extended battery life.



Figure 1: Makita XT610 18V LXT Lithium-Ion Cordless 6 Piece Combo Kit

2. Safety Information

WARNING: 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.

Always wear appropriate personal protective equipment (PPE) such as safety glasses, hearing protection, and gloves when operating power tools. Ensure your work area is well-lit and clear of obstructions. Keep children and bystanders away while operating a power tool.

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.

CAUTION: Do not use "Knock-Off" Makita Lithium-Ion Batteries. These may burst causing fires, personal injuries, or property damage. Always use genuine Makita batteries and chargers.

3. Components Overview

Your Makita XT610 kit includes the following components:

3.1 1/2" Hammer Driver-Drill (XPH10Z)

A versatile tool with variable 2-speed (0-600 & 0-1,900 RPM) and 480 in. lbs. of max torque, ideal for drilling and driving applications. Weighs only 4.0 lbs.



Figure 2: Hammer Driver-Drill

3.2 Impact Driver (XDT11Z)

Features variable speed (0-2,900 RPM & 0-3,500 IPM) and delivers 1,460 in. lbs. of max torque for efficient fastening.



Figure 3: Impact Driver

3.3 6-1/2" Circular Saw (XSS02Z)

Provides 3,700 RPM for faster cutting and ripping through wood, capable of cutting 2X material at 45°. Weighs only 7.3 lbs.



Figure 4: Circular Saw

3.4 Recipro Saw (XRJ04Z)

Offers 0-2,800 SPM and features a "tool-less" blade change mechanism. Weighs only 8.1 lbs.



Figure 5: Recipro Saw

3.5 4-1/2" Brushless Angle Grinder (XAG03Z)

Delivers 8,500 RPM and features automatic speed change technology for optimum performance. Weighs 5.6 lbs.



Figure 6: Angle Grinder

3.6 Xenon Flashlight (DML185)

A rechargeable flashlight for illumination in various work environments.



Figure 7: Xenon Flashlight

3.7 18V LXT 3.0Ah Battery (BL1830B)

Lithium-Ion batteries with fast charge times and Star Protection Computer Controls for protection against overloading, over-discharging, and overheating.



Figure 8: 18V LXT 3.0Ah Battery

3.8 18V Lithium-Ion Rapid Optimum Charger (DC18RC)

Designed to charge Makita 18V LXT Lithium-Ion batteries quickly and efficiently.



Figure 9: Rapid Optimum Charger

4. Setup

4.1 Charging the Battery

1. Connect the Rapid Optimum Charger (DC18RC) to a standard power outlet.
2. Slide the 18V LXT Lithium-Ion Battery (BL1830B) into the charger until it clicks into place.
3. The charger's indicator lights will show the charging status. A full charge is indicated when the light turns green.
4. Once fully charged, remove the battery from the charger.

4.2 Attaching the Battery to a Tool

1. Align the battery with the battery receptacle on the tool.
2. Slide the battery firmly into place until it locks with a click. Ensure it is securely fastened before operation.
3. To remove the battery, press the release button(s) on the side of the battery and slide it out.

4.3 Tool-Specific Setup

- **Circular Saw:** Ensure the blade is correctly installed and the blade guard operates freely. Adjust the cutting depth and bevel angle as needed for your application.
- **Angle Grinder:** Attach the appropriate grinding or cutting wheel and ensure the wheel guard is securely in place and positioned for maximum protection.
- **Recipro Saw:** Insert the correct blade for the material you are cutting into the tool-less blade clamp until it locks.
- **Hammer Driver-Drill/Impact Driver:** Insert the appropriate drill bit or driver bit into the chuck and tighten securely.

5. Operating Instructions

Before operating any tool, ensure you have read and understood all safety warnings. Always maintain a firm grip on the tool and be aware of your surroundings.

5.1 General Operation

- **Power On/Off:** Most tools are activated by pressing the trigger switch. Release the trigger to turn off the tool.
- **Variable Speed:** The speed of most tools is controlled by the amount of pressure applied to the trigger switch. More pressure results in higher speed.
- **Direction of Rotation (Drill/Impact Driver):** Use the forward/reverse switch to select the desired direction of rotation.

5.2 Tool-Specific Operation

- **Hammer Driver-Drill:** Select drill mode for standard drilling, or hammer drill mode for drilling into masonry. Adjust the torque setting ring for driving screws to prevent over-tightening.
- **Circular Saw:** Ensure the workpiece is securely clamped. Guide the saw along the cutting line, allowing the blade to reach full speed before engaging the material.
- **Recipro Saw:** Support the workpiece firmly. Apply light pressure and let the blade do the cutting. Avoid forcing the tool.
- **Angle Grinder:** Hold the grinder firmly with both hands. Allow the wheel to reach full speed before contacting the workpiece. Always grind or cut away from your body.
- **Flashlight:** Press the power button to turn the light on or off.

For detailed operating procedures and advanced techniques, please refer to the official User Guide PDF available at Makita XT610 User Guide.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Makita tools.

6.1 Cleaning

- Always disconnect the battery before cleaning.
- Use a clean, dry cloth to wipe down the tool housing.
- Do not use harsh chemicals or abrasive cleaners.
- Keep ventilation openings clear of dust and debris. Use compressed air if necessary.

6.2 Battery Care and Storage

- 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. Charge them periodically if not in use.
- Protect battery terminals from shorting by keeping them away from metal objects.

6.3 General Maintenance

- Inspect tools regularly for any signs of damage, loose screws, or worn parts.
- Ensure all moving parts are clean and free of debris.
- Replace worn or damaged accessories (blades, bits, wheels) promptly.

7. Troubleshooting

If you encounter issues with your Makita XT610 kit, refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
Tool does not start	Battery not charged Battery not properly inserted Tool malfunction	Charge battery fully Re-insert battery firmly Contact Makita service
Battery not charging	Charger not plugged in Faulty battery/charger Battery too hot/cold	Check power connection Test with another battery/charger; contact service Allow battery to reach room temperature
Reduced tool performance	Low battery charge Worn accessory (blade/bit) Overload protection activated	Recharge battery Replace accessory Reduce load, allow tool to cool

For more complex issues or repairs, it is recommended to contact Makita customer support or an authorized service center.

8. Specifications

Specification	Value
Model Number	XT610
Amperage	3 Amps
Voltage	18 Volts
Wattage	54 watts
Maximum Power	350 Watts
Item Weight	40.9 pounds (total kit)
Product Dimensions	29.25 x 14.5 x 14 inches
Battery Cell Composition	Lithium Ion
Number of Batteries	2 (included)
Hammer Driver-Drill Max Torque	480 in. lbs.
Impact Driver Max Torque	1,460 in. lbs.
Circular Saw Speed	3,700 RPM
Recipro Saw SPM	0-2,800 SPM
Angle Grinder Speed	8,500 RPM

9. Warranty & Support

9.1 Warranty Information

The Makita XT610 18V LXT Lithium-Ion Cordless 6 Piece Combo Kit comes with a**3-year limited warranty** on the tool, battery, and charger. This warranty covers defects in materials and workmanship under normal use.

9.2 Customer Support

For any questions regarding your Makita product, performance issues, or to locate a Makita Factory Service Center or Authorized Service Center, please contact Makita customer support:

- **Phone:** (800)4-MAKITA (800-462-5482)
- **Official User Guide (PDF):** https://manuals.plus/m/e0504c340c53ba0bd3714349989b1a2948503faedd508f031afcd05915201241
- **Makita Brand Store:** Visit the Makita Store on Amazon

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