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> [Litheli 40V Cordless Snow Shovel U20 13-Inch Brushless - Instruction Manual](#)

LiTHELi U20 13" 40V Brushless

Litheli 40V Cordless Snow Shovel U20 13-Inch Brushless - Instruction Manual

Model: U20 13" 40V Brushless (EGT090041-002)

		Safety Information	Product	
Overview	Components	Setup	Operation	Maintenance
				Troubleshooting
				Specifications & Support

1. IMPORTANT SAFETY INFORMATION

Always read and follow the instructions manual before operating. Keep hands and other body parts away from the adjustable handle when adjusting. This product is a powerful tool and should be handled with care to prevent injury.

General Safety Precautions:

- Wear appropriate personal protective equipment (PPE) such as safety glasses and sturdy footwear.
- Ensure the work area is clear of debris, rocks, or other objects that could be thrown by the snow shovel.
- Do not operate the snow shovel on slopes that are too steep.
- Keep children and pets away from the operating area.
- Never leave the snow shovel unattended while it is running.
- Disconnect the battery before performing any maintenance or cleaning.

2. PRODUCT OVERVIEW

The Litheli 40V (2x20V) Cordless Snow Shovel is designed for efficient snow removal from driveways, sidewalks, decks, and patios. It features a brushless motor for enhanced performance and durability.

Key Features:

- Strong Snow-Clearing Power:** Removes up to 6 inches deep and throws snow up to 25 feet. The brushless motor provides stronger torque, higher efficiency, and a longer lifespan.
- Ergonomic & Lightweight Design:** Weighs only 10 lbs, making it easy to lift and maneuver. The adjustable

handle reduces back fatigue and offers a comfortable grip.

- **Quiet Operation:** Battery-powered design ensures low noise, suitable for early mornings or late nights in residential areas.
- **Multi-functional Battery:** Powered by Litheli's 40V (2x20V) lithium-ion battery, providing up to 30 minutes of runtime. The included 4.0Ah battery can also function as a 20,000 mAh portable power bank and is compatible with all Litheli U20 series tools.
- **Durable, Winter-Ready:** Constructed with rugged materials to withstand harsh winter conditions.



Image: The Litheli 40V Cordless Snow Shovel in action, clearing a path through snow.

3. PRODUCT COMPONENTS

Familiarize yourself with the main components of your Litheli Cordless Snow Shovel:

Litheli

13" Snow Shovel

4.0 Ah Battery



Image: Diagram illustrating the key components of the Litheli 13-inch Snow Shovel, including the Battery Release Button, Battery Compartment, Lock-off Button, On/Off Switch, Auxiliary Handle, Auger, and Scraper Blade.

- **Battery Compartment:** Houses the 40V (2x20V) lithium-ion battery.
- **Battery Release Button:** Used to remove the battery from the compartment.
- **On/Off Switch:** Activates and deactivates the snow shovel.
- **Lock-off Button:** A safety feature that must be pressed before the On/Off switch can be engaged.
- **Auxiliary Handle:** Provides an additional grip point for better control and maneuverability.
- **Auger:** The rotating blade that collects and throws snow.
- **Scraper Blade:** Located at the bottom front, it helps clear snow down to the surface.

4. SETUP AND ASSEMBLY

Your Litheli snow shovel requires minimal assembly. Follow these steps to prepare your tool for use:

- Unpack Components:** Carefully remove all parts from the packaging. Verify that all components listed in the manual are present.
- Attach Handle:** Connect the upper and lower handle sections. Ensure they are securely fastened using the provided hardware.
- Adjust Auxiliary Handle:** Loosen the adjustment knob on the auxiliary handle, position it for comfortable operation, and then tighten the knob securely.
- Charge Battery:** Fully charge the 40V (2x20V) battery using the Litheli charger (sold separately if not included in your kit). The battery indicator lights will show charging status.
- Insert Battery:** Once fully charged, slide the battery into the battery compartment until it clicks securely into place. Ensure the battery release button is engaged.

Note: Some models may come partially assembled. Refer to the detailed assembly diagrams in your printed manual for specific instructions.

5. OPERATING INSTRUCTIONS

Before operating, ensure you have read and understood all safety warnings. Always wear eye protection and appropriate winter clothing.

Starting the Snow Shovel:

- Ensure the battery is fully charged and securely inserted.
- Grip the main handle firmly with one hand and the auxiliary handle with the other.
- Press and hold the **Lock-off Button**.
- While holding the Lock-off Button, squeeze the **On/Off Switch** to start the motor. Release the Lock-off Button once the motor starts.

Clearing Snow:

- Push the snow shovel forward at a steady, moderate pace. Avoid forcing the unit through heavy snow.
- The shovel is designed to clear snow up to 6 inches deep and 13 inches wide. For deeper snow, clear in multiple passes.
- Direct the thrown snow away from windows, vehicles, and other people. The snow can be thrown up to 25 feet.
- Work in overlapping paths to ensure complete snow removal.
- For optimal performance, clear snow as soon as possible after a snowfall.



**25' MAX
THROWING DISTANCE**

Image: The snow shovel demonstrating its clearing capabilities, showing a 6-inch clearing depth and 13-inch clearing width.



CLEAR UP TO
A 5-CAR DRIVEWAY
ON A SINGLE CHARGE

Image: A person using the snow shovel, illustrating its maximum snow throwing distance of 25 feet.

MULTI-APPLICATION



DRIVEWAYS



PORCHES, DECKS, PATIOS



SIDEWALKS, WALKWAYS

Image: A person clearing a driveway, indicating the snow shovel's capability to clear a 5-car driveway on a single charge.

Stopping the Snow Shovel:

- Release the On/Off Switch to stop the motor.
- Always remove the battery when the tool is not in use or before making any adjustments or cleaning.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your snow shovel. Always disconnect the battery before performing any maintenance.

- **Cleaning:** After each use, remove any snow, ice, or debris from the auger, housing, and scraper blade. Use a damp cloth; do not use harsh chemicals or abrasive cleaners.
- **Blade Inspection:** Periodically inspect the auger and scraper blade for wear or damage. Replace worn parts as

necessary to maintain clearing efficiency.

- **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.
- **Storage:** When not in use, store the snow shovel in a dry, protected area. The foldable design allows for compact storage.



FOLDABLE DESIGN FOR QUICK AND COMPACT STORAGE

Image: The snow shovel in its folded configuration, demonstrating its compact storage capability in a garage setting.

7. TROUBLESHOOTING

If you encounter issues with your snow shovel, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Snow shovel does not start.	Battery not inserted correctly or discharged. Lock-off button not pressed.	Ensure battery is fully charged and securely inserted. Press the lock-off button before squeezing the On/Off switch.
Reduced snow throwing distance or clogged auger.	Wet, heavy snow. Auger or chute clogged with snow/ice.	Clear snow in smaller passes. Turn off the unit and remove the battery before clearing any clogs from the auger or chute using a non-metallic tool.
Motor stops during operation.	Overload protection activated. Battery low.	Reduce the load by taking smaller passes. Check battery charge and replace with a fully charged battery if necessary.

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

8. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	LiTHELi
Model Number	EGT090041-002
Power Source	Battery Powered (40V, 2x20V)
Product Dimensions	13.8"D x 9.1"W x 59.4"H
Item Weight	11.78 Pounds
Clearing Width	13 Inches
Ideal Snow Depth	6 Inches
Engine Type	Electric Brushless
Battery Type	Lithium-ion (4.0Ah included)
UPC	810200213670

9. WARRANTY AND SUPPORT

The Litheli 40V Cordless Snow Shovel comes with a comprehensive warranty to ensure your peace of mind:

- Tool Warranty:** 3-year limited warranty.
- Battery Warranty:** 1-year limited warranty.

For warranty claims, technical assistance, or any product-related inquiries, please visit the official Litheli store or contact

their customer support directly.

Official Litheli Store: [Visit Litheli Store on Amazon](#)

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