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AIVOLT WSnow11S 24V

AIVOLT 24V Cordless Electric Snow Shovel User Manual

Model: WSnow11S 24V

1. INTRODUCTION

Thank you for choosing the AIVOLT 24V Cordless Electric Snow Shovel. This manual provides essential information for the safe assembly, operation, and maintenance of your snow shovel. Please read it thoroughly before first use and retain it for future reference.



Figure 1.1: AIVOLT 24V Cordless Electric Snow Shovel, including the main unit, 4.0Ah battery, and quick charger.

2. SAFETY INFORMATION

WARNING: To reduce the risk of injury, always follow these safety precautions.

- Always wear appropriate clothing and eye protection when operating the snow shovel.
- Keep hands, feet, and other body parts away from rotating parts during operation.
- Ensure the work area is clear of debris and other individuals before starting.
- Do not operate the snow shovel on slopes that are too steep or unstable.
- Store the snow shovel in a dry, secure location when not in use, out of reach of children.
- Do not attempt to clear ice or frozen solid snow, as this can damage the unit.

3. PRODUCT FEATURES

The AIVOLT Electric Snow Shovel is designed for efficient snow removal with several key features:

- **Powerful Motor:** Equipped with a 400W motor for effective snow clearing.
- **Clearing Path:** Clears an 11-inch wide and 7-inch deep path.
- **Throwing Distance:** Capable of throwing snow up to 20 feet.

- **Lightweight Design:** Weighs approximately 8.5 lbs for easy maneuverability.
- **Ergonomic & Foldable:** Features an adjustable auxiliary handle and a foldable design for compact storage.
- **Dual Safety Switch:** Prevents accidental starts.



Figure 3.1: Illustration of the 400W motor.



Figure 3.2: Clearing dimensions of 11 inches wide and 7 inches deep.



Figure 3.3: Maximum snow throwing distance of 20 feet.



Figure 3.4: The snow shovel's lightweight design, weighing 8.5 lbs.

4. SETUP AND ASSEMBLY

4.1 Unpacking

Carefully remove all components from the packaging. Verify that all items listed below are present:

- 1 x 24V Cordless Snow Shovel
- 1 x 4.0Ah Battery
- 1 x Quick Charger
- 1 x User Manual



Figure 4.1: Package contents.

4.2 Assembly Steps

1. **Connect the Handle Sections:** Insert the upper handle section into the lower handle section, ensuring the internal cables connect properly.
2. **Secure the Connection:** Tighten the bolts or locking mechanisms to firmly secure the handle sections together.
3. **Attach Auxiliary Handle:** Position the auxiliary handle to a comfortable height and secure it using the provided fasteners.



Figure 4.2: Assembly process for the snow shovel handle.

4.3 Battery Charging and Installation

1. **Charge the Battery:** Connect the quick charger to a power outlet and insert the 4.0Ah battery. Allow the battery to fully charge before first use. Refer to the charger's indicator lights for charging status.
2. **Install the Battery:** Once charged, slide the battery into the designated slot on the snow shovel's handle until it clicks securely into place.



Figure 4.3: Battery insertion into the snow shovel.

5. OPERATING INSTRUCTIONS

5.1 Starting and Stopping

The snow shovel features a dual safety switch to prevent accidental operation:

1. **To Start:** Press and hold the safety button, then squeeze the trigger switch.
2. **To Stop:** Release the trigger switch.



Figure 5.1: Dual safety switch mechanism.

5.2 Adjusting the Handle

The auxiliary handle can be adjusted to optimize comfort and control during operation. Loosen the adjustment knob, slide the handle to the desired position, and then tighten the knob securely.



Figure 5.2: Adjustable auxiliary handle for user comfort.

5.3 Snow Clearing Tips

- For best results, operate the snow shovel on fresh, powdery snow.
- Push the shovel forward at a steady pace, allowing the auger to clear the snow effectively.
- Angle the shovel slightly to direct the snow discharge away from cleared areas or desired locations.
- Avoid attempting to clear heavy, wet snow or ice, as this can strain the motor and reduce battery life.
- The snow shovel is suitable for driveways, patios, steps, and sidewalks.



Figure 5.3: Recommended applications for the snow shovel.

6. MAINTENANCE AND STORAGE

6.1 Cleaning

- Always remove the battery before cleaning.
- Use a damp cloth to wipe down the exterior of the snow shovel.
- Remove any snow or debris from the auger and chute area using a non-metallic tool.
- Do not use harsh chemicals or abrasive cleaners.

6.2 Storage

The AIVOLT snow shovel features a foldable design for convenient storage:

1. Remove the battery from the unit.
2. Loosen the handle connection points and fold the handle into three parts.
3. Store the snow shovel in a dry, protected area, away from direct sunlight and extreme temperatures.



Figure 6.1: Foldable design for easy storage.

7. TROUBLESHOOTING

If you encounter issues with your AIVOLT Electric Snow Shovel, refer to the following table:

Problem	Possible Cause	Solution
Snow shovel does not start	Battery not installed correctly or discharged; Safety switch not engaged.	Ensure battery is fully charged and properly seated. Press safety button before squeezing trigger.
Reduced snow throwing distance or stalling	Heavy/wet snow; Obstruction in auger/chute; Battery low.	Avoid heavy/wet snow. Clear any obstructions (with battery removed). Recharge battery.
Unit vibrates excessively	Loose components; Damaged auger.	Check all connections and fasteners. Inspect auger for damage. Contact customer support if issue persists.

8. SPECIFICATIONS

Specification	Value
Brand	AIVOLT
Model Number	WSnow11S 24V
Power Source	Battery Powered
Engine Type	Electric
Voltage	24 Volts
Battery Capacity	4.0 Ah Lithium Ion (included)
Clearing Width	11 Inches
Ideal Snow Depth	7 Inches
Throwing Distance	Up to 20 feet
Item Weight	8.5 lbs (unit only) / 13.92 lbs (packaged)
Product Dimensions	12.6 x 10 x 53.1 inches

9. WARRANTY AND SUPPORT

AIVOLT provides satisfying after-sale service. Should you have any questions before or after sales, please feel free to contact us. We are always here to help you solve any problems you may have.

For support, please refer to the contact information provided in your product packaging or visit the official AIVOLT website.