

PowerSmart DB8016

PowerSmart Electric Lawn Mower DB8016 User Manual

Model: DB8016 | Brand: PowerSmart

1. IMPORTANT SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating the lawn mower. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **Personal Safety:** Always wear appropriate personal protective equipment, including eye protection, hearing protection, and sturdy footwear. Do not operate the mower barefoot or while wearing open-toed sandals.
- **Electrical Safety:** Ensure the power cord is in good condition and avoid cutting it. Use only extension cords suitable for outdoor use and rated for the mower's power requirements. Always disconnect power before performing any maintenance or adjustments.
- **Operation Safety:** Keep hands and feet away from the cutting blade. Do not operate the mower in wet conditions. Clear the area of debris before mowing. Always use the safety button to prevent accidental starting.
- **Children and Bystanders:** Keep children and bystanders at a safe distance (at least 50 feet) from the operating area.



Figure 1.1: PowerSmart Electric Lawn Mower DB8016. Always prioritize safety when operating this equipment.

2. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the various parts of your PowerSmart Electric Lawn Mower DB8016 to ensure safe and efficient operation.



Figure 2.1: Key components of the PowerSmart DB8016 Electric Lawn Mower, including the foam grip, start lever, safety lock-off switch, quick release lever, power cord with plug, grass catcher, rear wheel, and height adjustment lever.

- **Foam Grip:** Provides comfortable handling.
- **Start Lever:** Engages the motor when pulled.
- **Safety Lock-Off Switch:** Prevents accidental starting; must be pressed before pulling the start lever.
- **Quick Release Lever:** For adjusting handle position or folding.
- **Power Cord with Plug:** Connects the mower to an electrical outlet.
- **Grass Catcher:** Collects grass clippings during bagging operation.
- **Rear Wheel:** Provides mobility and support.
- **Height Adjustment Lever:** Used to set the cutting height.

3. SETUP

3.1 Handle Assembly and Adjustment

The mower features foldable handles for compact storage. To set up for operation:

1. Unfold the handles and secure them using the quick release levers. Ensure they are firmly locked in place.
2. Adjust the handle height and position for comfortable handling during operation.

3.2 Grass Catcher Attachment

To attach the grass catcher:

1. Lift the rear discharge flap.
2. Hook the grass catcher onto the mower's frame, ensuring it is securely seated.



Figure 3.1: The 45L large grass collection bag, designed for easy attachment and removal.

4. OPERATING INSTRUCTIONS

4.1 Starting the Mower

To start your electric lawn mower:

1. Ensure the mower is connected to a suitable power source.
2. Press and hold the safety lock-off button.
3. While holding the safety button, pull the start lever towards the handle. The motor will begin to run.
4. Release the safety lock-off button once the mower is running.

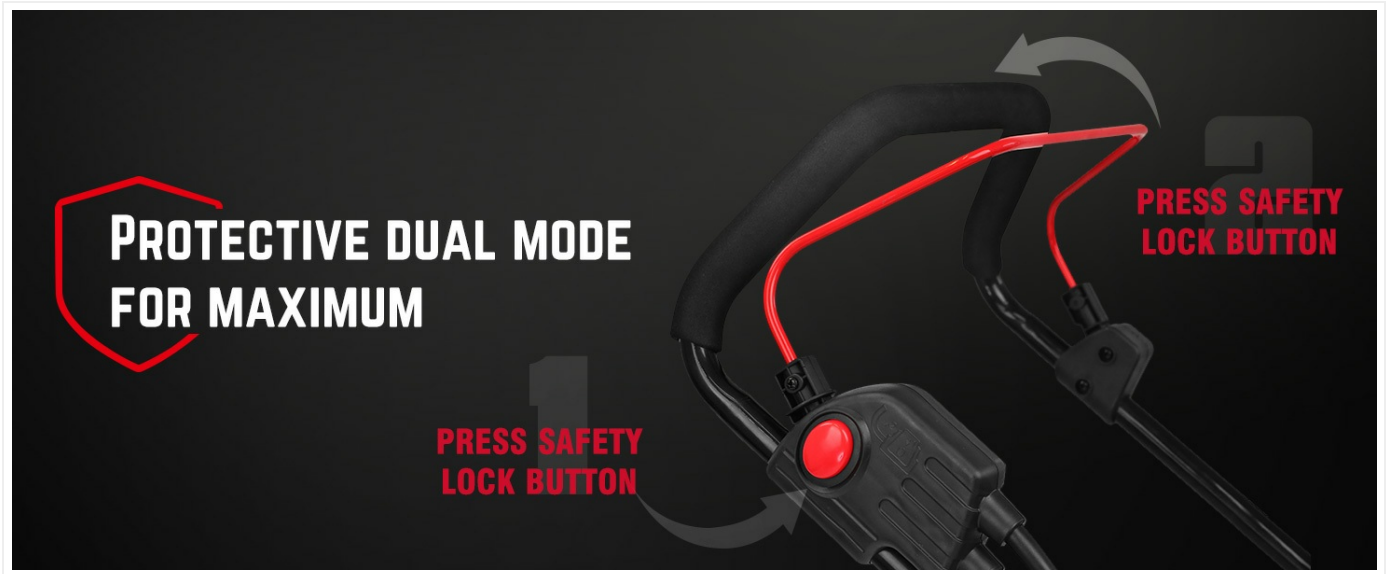


Figure 4.1: Illustrates the protective dual mode starting mechanism, requiring both the safety lock button and start lever for operation.

4.2 Adjusting Cutting Height

The mower offers 6 adjustable cutting heights from 1 inch to 3 inches. To adjust:

1. Turn off the mower and disconnect it from the power source.
2. Locate the height adjustment lever near the wheels.
3. Move the lever to the desired height setting (1-6).



Figure 4.2: The 6-position depth adjustment lever allows for precise cutting height control from 1.0" to 3.0".

4.3 Mowing Techniques and 2-in-1 System

The PowerSmart DB8016 features a 2-in-1 rear discharge and mulching system.

- **General Mowing:** For a healthy lawn, always cut off one-third or less of the total length of the grass. The average lawn should be approximately 1.18" to 2" long during cool months, and between 2" to 3" long during hot months.
- **Mulching:** To mulch, ensure the grass catcher is removed and the mulching plug is inserted (if applicable, though the description implies it's a default mode when not bagging). Mulching finely chops grass clippings and returns them to the lawn as natural fertilizer.
- **Bagging:** To bag clippings, attach the 12-gallon hard-top grass bag. The grass level indicator helps monitor when the bag needs emptying.



Figure 4.3: The 2-in-1 system allows for both mulching and bagging of grass clippings.

4.4 Emptying the Grass Bag

When the grass level indicator shows the bag is full, or if you notice a decrease in cutting performance due to excessive grass:

1. Turn off the mower and disconnect it from the power source.
2. Carefully remove the grass catcher.
3. Empty the clippings into a suitable disposal area.
4. Reattach the grass catcher securely before resuming operation.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your lawn mower.

5.1 Cleaning

- Always disconnect the power cord before cleaning.
- Remove grass clippings and debris from the mower deck, wheels, and grass catcher after each use. A stiff brush or cloth is recommended.
- Do not use water hoses or pressure washers directly on the motor or electrical components.

5.2 Blade Care

- Periodically inspect the blade for sharpness and damage. A dull or damaged blade can lead to poor cutting performance and strain the motor.
- If the blade is dull, it should be sharpened or replaced by a qualified service technician.

5.3 Storage

The mower's compact and slim frame with foldable handles allows for easy storage.

- Clean the mower thoroughly before storing.
- Fold the handles down to save space.
- Store the mower in a dry, covered area, away from direct sunlight and extreme temperatures.



Figure 5.1: The collapsible design allows for significant space saving during storage.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your lawn mower.

Problem	Possible Cause	Solution
Mower does not start.	Not plugged in; Safety button not pressed; Power outage.	Ensure power cord is securely plugged in. Press and hold safety button before pulling start lever. Check power supply.
Poor cutting performance / Mower stalls.	Grass bag is full; Grass is too tall or wet; Dull blade.	Empty the grass bag regularly. Avoid mowing excessively tall or wet grass. Have blade sharpened or replaced.
Excessive vibration.	Damaged or unbalanced blade; Loose components.	Turn off and disconnect power. Inspect blade for damage; if damaged, replace it. Check for any loose nuts or bolts and tighten them.

7. SPECIFICATIONS

Technical specifications for the PowerSmart Electric Lawn Mower DB8016.

Feature	Detail
Brand	PowerSmart
Power Source	Electric
Material	Alloy Steel
Color	red
Style	Push Mower
Item Weight	26.5 Pounds
Cutting Width	17 Inches
Number of Positions (Cutting Height)	6 (1" to 3")
Operation Mode	Manual (Push)
Product Dimensions	56.5"D x 17"W x 38"H
UPC	840432700624
Manufacturer	Amerisun Inc.
Motor	13.5-Amp
Blade Speed	Up to 3,100 r/min
Grass Bag Capacity	12-gallon (approx. 45L)

8. WARRANTY AND SUPPORT

PowerSmart is committed to providing reliable products and dependable service.

- **Warranty:** PowerSmart provides 2 year after-sales service.
- **Customer Support:** If you have any questions or require assistance, you can contact PowerSmart directly. They aim to reply to messages within 24 hours.
- **Local Support:** PowerSmart has over 500 certified repair centers in the U.S. and provides full replacement parts through their IL headquarters.

For more information or to find a service center, please visit the official PowerSmart website or contact their customer service.

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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