

PowerSmart 4532

PowerSmart 25.4cc Gas String Trimmer and Brush Cutter

Model: 4532

Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your PowerSmart 25.4cc Gas String Trimmer and Brush Cutter, Model 4532. Please read and understand all instructions before using the product. Proper use and maintenance will ensure optimal performance and extend the life of your tool.

2. SAFETY INFORMATION

WARNING: Always wear safety glasses and hearing protection while operating this equipment. Store in a cool, dry place.

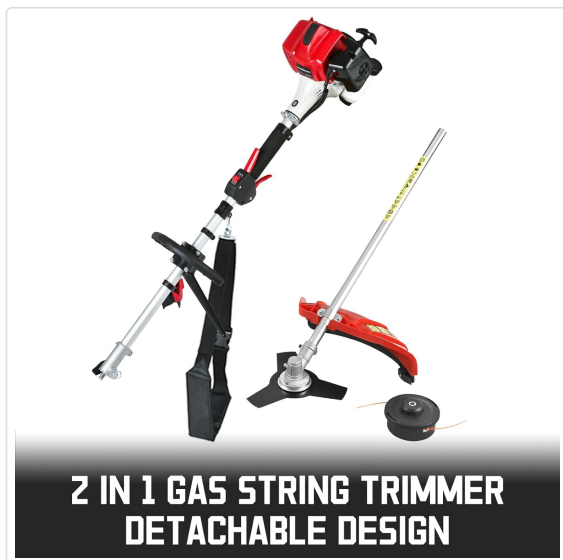
- **Personal Protective Equipment:** Always wear eye protection (safety glasses or goggles), hearing protection, heavy-duty gloves, long pants, and sturdy footwear.
- **Fuel Handling:** Handle gasoline with extreme care. It is highly flammable. Mix fuel in a well-ventilated area away from ignition sources. Do not smoke while handling fuel.
- **Work Area:** Clear the work area of debris, rocks, and other objects that could be thrown by the cutting attachment. Keep bystanders, children, and pets at a safe distance (at least 50 feet/15 meters).
- **Pre-Operation Check:** Before each use, inspect the tool for loose fasteners, damaged parts, and proper assembly. Ensure the cutting attachment is securely fastened.
- **Engine Operation:** Never operate the engine indoors or in poorly ventilated areas. Exhaust fumes contain carbon monoxide, which is a colorless, odorless, and deadly gas.
- **Emergency Stop:** Familiarize yourself with the quick shut-off mechanism to stop the engine immediately in an emergency.

3. PRODUCT OVERVIEW AND FEATURES

The PowerSmart Model 4532 is a versatile 2-in-1 gas-powered tool designed for various lawn and garden tasks, functioning as both a string trimmer/edger and a brush cutter.



Overall view of the PowerSmart 25.4cc Gas String Trimmer and Brush Cutter, including the engine, shaft, handle, shoulder strap, string trimmer head, and brush cutter blade.



The 2-in-1 detachable design allows for easy conversion between string trimmer and brush cutter modes, and compact storage.

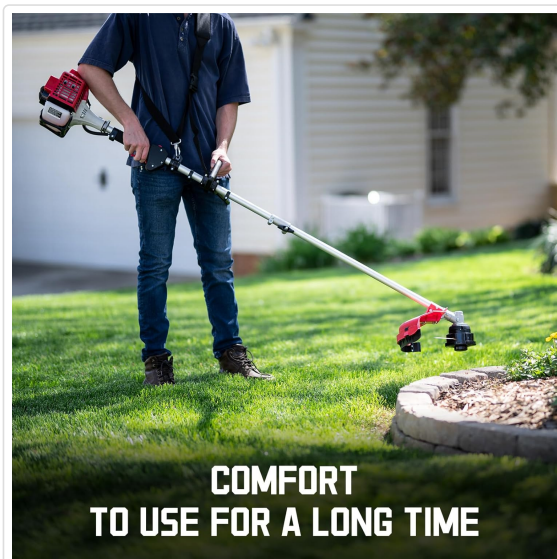
Key Features:

- **Powerful 25.4cc 2-Cycle Engine:** Provides stable and efficient power for demanding cutting tasks.
- **2-in-1 Design:** Easily converts between a string trimmer/edger with a 16-inch cutting path and a brush cutter with a 10-inch blade.
- **Low-Emission Engine:** Designed for efficient performance while minimizing environmental impact.
- **Smooth Operation & Low Vibration:** Balanced design and included shoulder strap reduce user fatigue during extended use.
- **Quick Start:** Features an easy-to-use pull starter for reliable engine ignition.
- **Quick Shut-Off Design:** Ensures immediate engine stop for safety and fuel conservation.
- **Easy Storage:** Detachable shaft allows for compact storage.

4. ASSEMBLY

Assembly of the PowerSmart 4532 is straightforward. Follow these general steps. Refer to the included assembly diagram for detailed visual instructions.

1. **Unpack Components:** Carefully remove all parts from the packaging. Verify all components are present according to the packing list.
2. **Attach Handle:** Secure the auxiliary handle to the main shaft at a comfortable operating position using the provided fasteners.
3. **Connect Shaft Sections:** If your model has a detachable shaft, align the two sections and secure them with the quick-release clamp or locking mechanism. Ensure a firm connection.
4. **Install Guard:** Attach the safety guard to the lower shaft assembly. This guard protects against thrown debris and should never be removed.
5. **Install Cutting Attachment:** Depending on your task, install either the string trimmer head or the brush cutter blade. Follow specific instructions for each attachment to ensure it is securely fastened.
6. **Attach Shoulder Strap:** Connect the shoulder strap to the designated attachment point on the shaft. Adjust for comfortable balance and weight distribution.



Adjust the shoulder strap for optimal comfort and balance during operation, reducing fatigue.



Ensure the handle and controls are securely attached and easily accessible for safe operation.

5. OPERATION

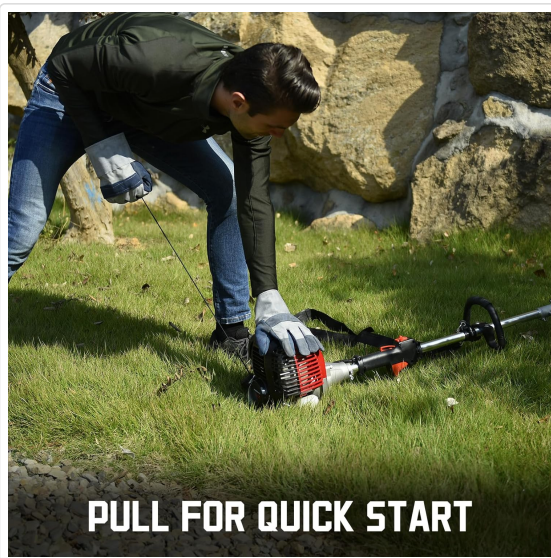
5.1 Fuel Mixing

This tool uses a 2-cycle engine and requires a specific gasoline-to-oil mixture. Refer to your engine manual for the exact ratio (typically 40:1 or 50:1). Use fresh, unleaded gasoline with an octane rating of 87 or higher and high-quality 2-cycle engine oil.

- Mix fuel in a clean, approved fuel container.
- Shake the container thoroughly before filling the fuel tank.
- Do not overfill the fuel tank. Leave space for expansion.

5.2 Starting the Engine

1. Place the unit on a flat, stable surface.
2. Set the ON/OFF switch to the ON position.
3. Engage the choke (if applicable).
4. Press the primer bulb several times until fuel is visible.
5. Pull the starter cord firmly and smoothly until the engine attempts to start (usually 3-5 pulls).
6. Once the engine 'pops' or briefly starts, disengage the choke.
7. Pull the starter cord again until the engine starts and runs smoothly.
8. Allow the engine to warm up for a few moments before engaging the throttle.



Pull the starter cord for quick and reliable engine ignition.



The quick shut-off design allows for immediate engine stop, enhancing safety and reducing fuel waste.

5.3 Operating as a String Trimmer

The 16-inch cutting path is ideal for trimming grass and light weeds.

- Hold the trimmer firmly with both hands.
- Maintain a comfortable stance, using the shoulder strap to support the weight.
- Swing the trimmer in a sweeping motion, keeping the cutting head parallel to the ground.
- To advance the trimmer line, tap the bump head lightly on the ground while the engine is running at full throttle.

5.4 Operating as an Edger

For clean edges along sidewalks and driveways.

- Tilt the trimmer head to a vertical position.
- Walk slowly, guiding the line along the edge.

5.5 Operating as a Brush Cutter

Attach the 10-inch brush cutter blade for thicker vegetation and small brush.

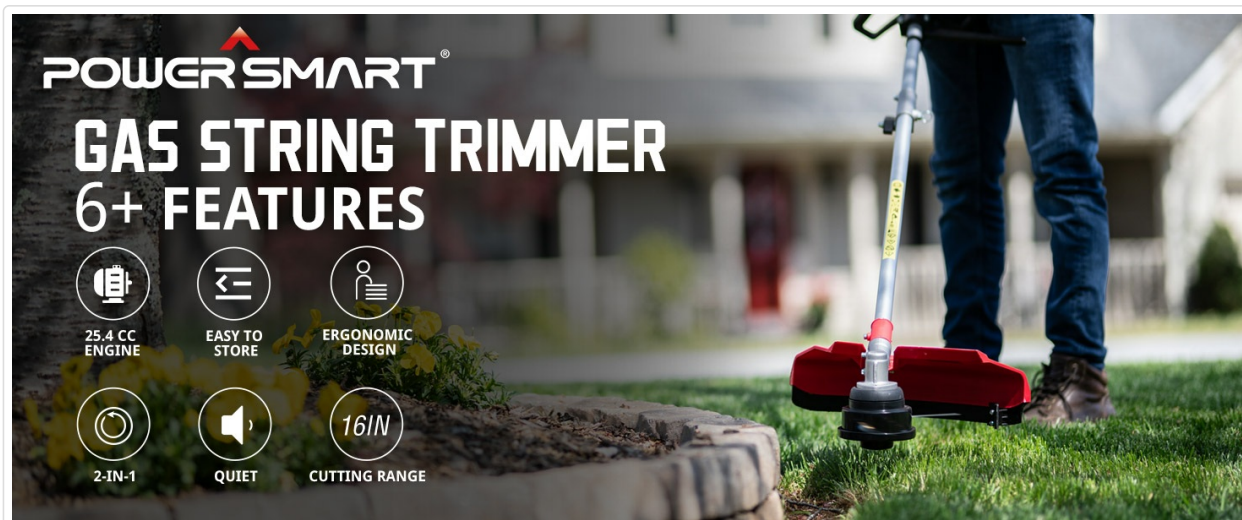
- Ensure the brush cutter blade is securely installed and the safety guard is in place.
- Use a steady, controlled motion. Avoid striking hard objects.
- Be aware of kickback when cutting thicker material.



The string trimmer head provides a 16-inch cutting path for efficient grass trimming.



The 10-inch brush cutter blade is designed for handling thicker weeds and small bushes.



Visual guide for different cutting applications: trimmer, brush cutter, and edger.

6. MAINTENANCE

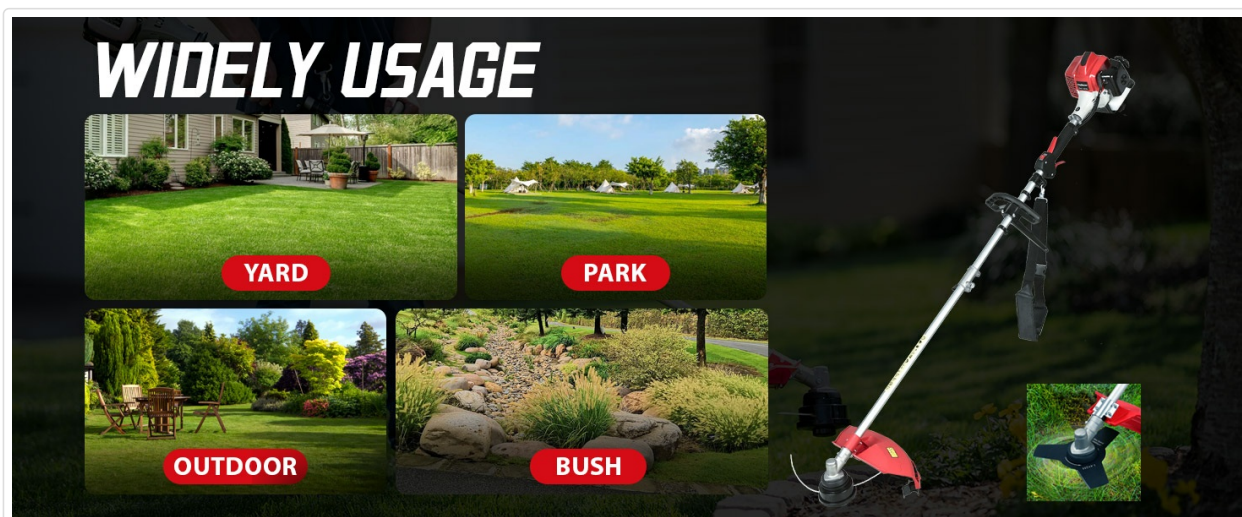
Regular maintenance ensures the longevity and safe operation of your PowerSmart trimmer/brush cutter.

6.1 General Maintenance

- **Cleaning:** After each use, clean the exterior of the tool, especially the cutting head and engine cooling fins, to prevent debris buildup.
- **Air Filter:** Check and clean the air filter regularly. A dirty air filter can reduce engine performance.
- **Spark Plug:** Inspect the spark plug periodically. Clean or replace if fouled or worn.
- **Fuel Filter:** Check and replace the fuel filter as needed.
- **Blade Inspection:** For the brush cutter, inspect the blade for sharpness and damage. Replace dull or damaged blades.
- **Storage:** For long-term storage, drain the fuel tank or use a fuel stabilizer. Clean the unit thoroughly.

6.2 Replacing Trimmer Line

Follow these steps to replace the trimmer line in the bump feed head:



Detailed steps for replacing the trimmer line.

1. **Line Change Status:** Press the arrow site beside the trimmer line head, rotate clockwise to remove the

head.

- 2. **Remove Wire Reel:** Press the wire reel and rotate it clockwise to take it off.
- 3. **Prepare New Line:** Take a new wire reel, thread the wire into the holes on both sides of the reel in the direction of the arrow on the wire line.
- 4. **Snap Spool:** Press a new spool of wire into the head and snap the wire on both sides of the spool.
- 5. **Reattach Cover:** Put the cap back and tighten the cover of the trimmer head by rotating it counter-clockwise. The trimmer line is replaced correctly.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect fuel mix, clogged fuel filter, fouled spark plug, choke not set correctly.	Check fuel level and mix. Clean/replace fuel filter. Clean/replace spark plug. Adjust choke.
Engine runs poorly/lacks power	Dirty air filter, incorrect fuel mix, clogged carburetor, worn spark plug.	Clean air filter. Verify fuel mix. Clean carburetor (professional service recommended). Replace spark plug.
Trimmer line does not advance	Line tangled, insufficient line, head mechanism jammed.	Stop engine, clear tangles. Reload with new line. Inspect head for damage.
Excessive vibration	Loose components, bent shaft, damaged cutting attachment.	Inspect all fasteners and tighten. Check shaft for bends. Replace damaged cutting attachments.
Safety guard becomes loose	Vibration causes screws to loosen.	Regularly check and tighten all screws. Consider using thread-locking compound on critical fasteners.

8. SPECIFICATIONS

Specification	Detail
Brand	PowerSmart
Model Number	4532
Engine Type	2-Cycle Gas Engine
Engine Displacement	25.4cc
Power Source	Gas Powered
Cutting Width (String Trimmer)	16 Inches

Specification	Detail
Brush Cutter Blade Size	10 Inches
Product Dimensions	73"L x 16"W
Item Weight	18.7 Pounds
Assembly Required	Yes
Manufacturer	Amerisun Inc.



9. WARRANTY AND SUPPORT





For warranty information, please refer to the warranty card included with your product or contact PowerSmart customer service. PowerSmart products are manufactured by Amerisun Inc.

For technical support, replacement parts, or service inquiries, please contact PowerSmart customer service directly. Contact information can typically be found on the product packaging or the official PowerSmart website.

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Related Documents - 4532

	<p>PowerSmart PS4531 Gas Powered Brush Cutter & String Trimmer Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart PS4531 Gas Powered Brush Cutter & String Trimmer. Covers safety guidelines, technical data, assembly, operation, maintenance, troubleshooting, and warranty information for safe and effective use.</p>
	<p>PowerSmart PS4531 31cc 4-Stroke String Trimmer and Brush Cutter Parts List and Diagrams</p> <p>This document provides detailed exploded view diagrams and comprehensive parts lists for the PowerSmart PS4531 31cc 4-stroke string trimmer and brush cutter. It includes all components for the engine assembly and the brush cutter/trimmer assembly, facilitating part identification and replacement.</p>

 <p>POWER SMART INSTRUCTION MANUAL 20V Cordless String Trimmer Model PS76112A</p> <p>Don't get lost in the woods with a PowerSmart String Trimmer. It's the only one that's easy to use, easy to store, and easy to maintain. For more information, visit www.PowerSmart.com or call 1-800-4-A-TOOL (1-800-426-7653).</p>	<p>PowerSmart 20V Cordless String Trimmer PS76112A Instruction Manual</p> <p>The PowerSmart 20V Cordless String Trimmer Model PS76112A instruction manual provides comprehensive safety, operation, maintenance, and troubleshooting information for this battery-powered lawn care tool. Learn about its technical specifications, assembly, usage, and proper battery disposal.</p>
 <p>POWER SMART INSTRUCTION MANUAL 26 inch Two Stage Gas Snow Thrower Model MB7109B</p> <p>Don't get lost in the woods with a PowerSmart String Trimmer. It's the only one that's easy to use, easy to store, and easy to maintain. For more information, visit www.PowerSmart.com or call 1-800-4-A-TOOL (1-800-426-7653).</p>	<p>PowerSmart MB7109B 26-inch Two Stage Gas Snow Thrower Instruction Manual</p> <p>This instruction manual provides essential information for the safe operation, maintenance, and troubleshooting of the PowerSmart MB7109B 26-inch Two Stage Gas Snow Thrower. Includes details in English, French, and Spanish.</p>
 <p>POWER SMART INSTRUCTION MANUAL 24 inch Two Stage Gas Snow Thrower Model HB7109A</p> <p>Don't get lost in the woods with a PowerSmart String Trimmer. It's the only one that's easy to use, easy to store, and easy to maintain. For more information, visit www.PowerSmart.com or call 1-800-4-A-TOOL (1-800-426-7653).</p>	<p>PowerSmart HB7109A 24-inch Two-Stage Gas Snow Thrower Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart HB7109A 24-inch two-stage gas snow thrower, covering operation, safety, maintenance, and troubleshooting.</p>
 <p>POWER SMART INSTRUCTION MANUAL 24 inch Two Stage Gas Snow Thrower Model PSSAM24/DB7109A</p> <p>Don't get lost in the woods with a PowerSmart String Trimmer. It's the only one that's easy to use, easy to store, and easy to maintain. For more information, visit www.PowerSmart.com or call 1-800-4-A-TOOL (1-800-426-7653).</p>	<p>PowerSmart 24-inch Two-Stage Gas Snow Thrower Instruction Manual</p> <p>Detailed instructions for operating, maintaining, and troubleshooting the PowerSmart PSSAM24/DB7109A 24-inch two-stage gas snow thrower. Includes safety information and parts list.</p>