

## 4 in 1 Multi-Functional Trimming Tool

# Generic 52CC 4-in-1 Multi-Functional Trimming Tool User Manual

Model: 4 in 1 Multi-Functional Trimming Tool

## 1. IMPORTANT SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this tool. Failure to follow these instructions may result in serious injury or death.

### 1.1 General Safety Precautions

- Always wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, gloves, and sturdy footwear.
- Do not operate the tool while under the influence of drugs, alcohol, or medication.
- Keep children, bystanders, and pets at a safe distance (at least 50 feet/15 meters) from the work area.
- Inspect the tool before each use for loose parts, damage, or fuel leaks. Do not operate a damaged tool.
- Ensure all guards and safety devices are in place and functioning correctly.

### 1.2 Fuel Safety

- Mix gasoline and 2-cycle oil in the ratio of 30:1 (Gasoline:Oil). Use fresh, clean unleaded gasoline and high-quality 2-cycle engine oil.
- Mix fuel in a well-ventilated area, away from sparks or open flames.
- Store fuel in an approved container and away from heat sources.
- Never refuel a hot engine. Allow the engine to cool before adding fuel.
- Wipe up any spilled fuel immediately.

## 2. PACKAGE CONTENTS AND ASSEMBLY

The 4-in-1 Multi-Functional Trimming Tool comes with a power head and four interchangeable attachments: string trimmer, brush cutter, hedge trimmer, and pole saw.



Figure 1: All components included in the package.

## 2.1 Fuel Mixing

1. Use the provided mixing bottle to accurately measure gasoline and 2-cycle oil.
2. Mix unleaded gasoline with 2-cycle engine oil at a ratio of 30:1. For example, for 1200ml of fuel, use 40ml of 2-cycle oil.
3. Shake the mixture thoroughly before pouring it into the fuel tank.

## 2.2 Attaching Components

The tool features an easy tool-free quick attachment changing system.

1. Ensure the engine is off and cool before attaching or detaching any components.
2. Align the shaft of the desired attachment with the power head shaft.
3. Push the attachment shaft into the power head shaft until it clicks into place or the locking mechanism engages.
4. Tighten any securing knobs or levers to ensure a firm connection.



Figure 2: Power head and main shaft assembly.

### 3. OPERATING INSTRUCTIONS

#### 3.1 Starting the Engine (Recoil Start)

1. Place the tool on a flat, stable surface.
2. Ensure the fuel tank is filled with the correct fuel mixture.
3. Set the choke lever to the 'START' or 'CLOSED' position.
4. Press the primer bulb several times until fuel is visible in the return line.
5. Pull the starter cord firmly and smoothly until the engine attempts to start (usually 1-3 pulls).
6. Once the engine attempts to start, move the choke lever to the 'RUN' or 'OPEN' position.
7. Pull the starter cord again until the engine starts.
8. Allow the engine to warm up for a few moments before engaging the throttle.

#### 3.2 Using the Attachments

Always ensure the attachment is securely fastened before starting the engine.

### 3.2.1 Grass Trimmer

Ideal for mowing and trimming around obstacles and edges.

- Attach the string trimmer head.
- Hold the tool firmly with both hands.
- Use a sweeping motion to cut grass. Keep the trimmer head slightly above the ground.



Figure 3: Tool with Grass Trimmer Attachment.



Figure 4: Grass Trimmer Head.

### 3.2.2 Brush Cutter

Designed for cutting thick brush and dense weeds.

- Attach the brush cutter blade. Ensure the blade guard is properly installed.
- Use a steady, controlled motion. Avoid striking hard objects.

### 3.2.3 Hedge Trimmer

For trimming bushes and hedges at various angles.

- Attach the hedge trimmer attachment.
- The hedge trimmer articulates to multiple positions. Adjust the angle as needed for the task.
- Use smooth, even strokes to achieve a clean cut.



Figure 5: Hedge Trimmer Attachment.

### 3.2.4 Pole Saw

For pruning high branches.

- Attach the pole saw attachment. Ensure the chain is properly tensioned and lubricated with SAE#10W-30 bar oil.
- Maintain a secure footing and balance.
- Cut branches from the underside first to prevent pinching, then complete the cut from the top.



Figure 6: Pole Saw Attachment.

## 4. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool.

### 4.1 Engine Maintenance

- **Spark Plug:** Inspect and clean the spark plug regularly. Replace if worn or fouled.
- **Air Filter:** Clean the air filter after every 5-10 hours of operation, or more frequently in dusty conditions. Replace if damaged.
- **Fuel Filter:** Check and replace the fuel filter periodically.

- **Cooling Fins:** Keep the engine's cooling fins clean to prevent overheating.

## 4.2 Attachment Maintenance

- **Blades:** Keep all cutting blades (hedge trimmer, brush cutter) sharp and free of debris. Sharpen or replace as needed.
- **Pole Saw Chain:** Ensure the pole saw chain is always sharp and properly tensioned. Lubricate the chain with bar oil before and during use.
- **String Trimmer Head:** Replace worn nylon line as needed.
- **General Cleaning:** After each use, clean all attachments and the power head of grass, dirt, and sap.

## 5. TROUBLESHOOTING

This section provides solutions to common operational issues.

Problem	Possible Cause	Solution
Engine does not start	No fuel or incorrect fuel mixture Choke in wrong position Spark plug fouled or wet Air filter clogged	Fill with correct 30:1 fuel mixture Adjust choke lever Clean or replace spark plug Clean air filter
Engine runs, but stalls	Incorrect fuel mixture Clogged fuel filter Carburetor adjustment needed	Ensure correct 30:1 fuel mixture Replace fuel filter Consult a service technician
Loss of power	Clogged air filter Dull cutting attachment Incorrect fuel mixture	Clean air filter Sharpen or replace cutting attachment Verify 30:1 fuel mixture

## 6. SPECIFICATIONS

Technical details for the 52CC 4-in-1 Multi-Functional Trimming Tool.

- **Engine Displacement:** 52cc
- **Horsepower:** 2.2 HP
- **Engine Type:** Air Cooled 2-Stroke Gasoline Engine
- **Fuel Mix Ratio:** Gasoline 30: Two-cycle oil 1
- **Fuel Tank Capacity:** 1200ml
- **Start Type:** Recoil Start
- **Max. Engine Speed:** 11,000 RPM
- **Bar Oil Type (Pole Saw):** SAE#10W-30 or similar

- **Blade Rotation Direction:** Counter-Clockwise
- **Certifications:** EPA Compliant
- **Product Dimensions:** 80"L x 14"W x 14"H (assembled, approximate)
- **Item Weight:** Approximately 660 pounds (Note: This weight appears to be an error in the source data and should be verified by the user.)
- **Material:** Plastic (housing), Metal (shafts, blades)