

Dragro DS-02

Dragro 2-in-1 Electric Pruning Shears and 6-inch Cordless Mini Chainsaw Instruction Manual

Model: DS-02 | Brand: Dragro

1. IMPORTANT SAFETY INSTRUCTIONS

Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury. Save all warnings and instructions for future reference.

- **Personal Protective Equipment (PPE):** Always wear safety goggles, gloves, and appropriate clothing when operating the tools. Consider hearing protection for extended use.
- **Work Area Safety:** Keep the work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Keep children and bystanders away while operating a power tool.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs. When the battery pack is not in use, keep it away from other metal objects.
- **Pruning Shears Specific:** Keep hands clear of the cutting blades. The blades are sharp and can cause severe injury. Ensure the safety lock is engaged when not in use.
- **Chainsaw Specific:** Always hold the chainsaw firmly with both hands. Be aware of kickback. Ensure the chain is properly tensioned and lubricated before each use.
- **Extension Pole Specific:** Do not use the extension pole near power lines. Ensure the pole is securely assembled and the tool is firmly attached before operating at height.



Image: The Dragro 2-in-1 Electric Pruning Shears and 6-inch Cordless Mini Chainsaw with its extension pole and battery.

2. PRODUCT OVERVIEW & COMPONENTS

The Dragro DS-02 is a versatile 2-in-1 gardening tool featuring an electric pruning shears and a 6-inch cordless mini chainsaw, designed for efficient branch cutting and trimming. It includes a high-reach extension pole for elevated tasks.

Included Components:

- Electric Tree Trimmer (Pruning Shears) x1
- 6-inch Small Chainsaw x1

- Telescopic Extension Pole x1
- Battery Pack (21V 4000mAh) x2
- Blade (for Pruning Shears) x2
- Chains (for Chainsaw) x2
- Shoulder Strap x1
- Storage Bag x1
- Gloves x1 pair
- Goggles x1 pair
- Power Adapter x1
- Matching Tool Kit x4
- Lubricating Oil x1



Image: All components of the Dragro 2-in-1 Electric Pruning Shears and Mini Chainsaw kit, including tools, batteries, charger, and accessories.

3. SETUP

3.1 Battery Charging

Before first use, fully charge both 4000mAh lithium-ion batteries. Connect the power adapter to a standard electrical outlet and then to the battery. The charging indicator on the battery will show its status. A full charge typically takes 2-3 hours.



Image: Two 4000mAh lithium-ion batteries connected to the charger.

3.2 Chainsaw Chain Installation and Tensioning

Note: Always remove the battery pack before performing any assembly or maintenance on the chainsaw to prevent accidental startup.

1. Turn the bar tightening knob counter-clockwise and remove the guide bar cover.
2. Install the guide plate and chain, ensuring the chain direction is correct (refer to the arrow on the chain).
3. Pull forward the guide plate to ensure the chain is seated properly.
4. Cover the guide bar side panel and turn the bar tightening knob clockwise to secure the side plate.
5. Turn the chain tension adjustment knob until the desired chain tension is reached. The chain should be snug but still able to be pulled freely by hand.

ASSEMBLE THE CHAIN MORE QUICKLY



1. Turn the bar tightening knob counterclockwise and remove the guide bar



2. Install the guide plate and chain, pay attention to the direction of chain



3. Pull forward the guide plate



4. Cover the guide bar side panel, and turn the bar tightening knob clockwise to tighten the side plate



5. Turn the chain tension adjustment knob until desired chain tension is reached



6. Insert the battery pack into the slot at the bottom, check that the security lock is locked, and you are ready to use

Note : When replacing the chain or not using the chainsaw, please remove the battery to avoid accidental injury

Image: Visual guide for chainsaw chain assembly and tensioning.

3.3 Chainsaw Oil System

The chainsaw features an upgraded external refueling device. To fill the oil tank, simply pour the provided lubricating oil into the designated oil tank. This system allows for convenient lubrication of the chain during operation.

TOOL-FREE REPLACE CHAIN



INSTALLATION WITH SCREWDRIVER

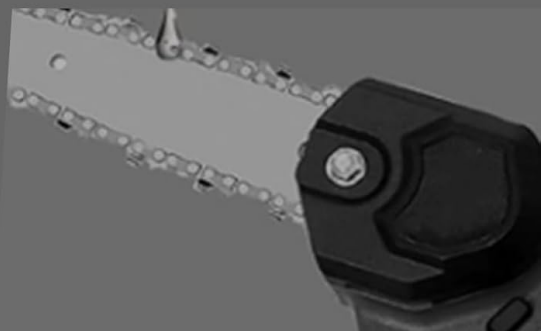


Image: Detail of the chainsaw's tool-free chain tensioning and the oil system refill port.

3.4 Attaching Tools to the Extension Pole

Both the electric pruning shears and the mini chainsaw can be attached to the extension pole. Ensure the tool is securely fastened to the pole's head mechanism. Verify that the connection is stable before operating the tool at height.

4. OPERATING INSTRUCTIONS

4.1 General Operation and LCD Display

Insert a charged battery pack into the tool. The LCD display on both the pruning shears and chainsaw will show the remaining battery power, allowing you to monitor usage efficiently. To activate the tool, press the power button (if applicable) and then the trigger. Some tools may require a double-trigger pull to re-engage after a period of inactivity for safety.



Image: The LCD display showing battery level and operational status.

4.2 Electric Pruning Shears

The cordless pruning shears are equipped with SK5 high-carbon steel blades, designed for sharp, durable, and rust-free cutting. They can easily cut branches up to 1.6 inches (40mm) in diameter without damaging the branch. To operate, ensure the safety lock is disengaged, then press the trigger. The shears feature a safety lock design to reduce the risk of accidents.

A 21V Lithium Battery with a 4000mAh capacity, shown in a charging dock and a clear protective case.

2PC 4000mAh
LARGE CAPACITY BATTERY

▶ WORKING TIME : 4-5H

⚡ CHARGING TIME : 2-3H

21V Lithium Battery
Dedicated Battery

LI-ION 21V
4000mAh

To extend the battery life,
please charge the batteries
before the first use

Image: Electric pruning shears in action, demonstrating the maximum cutting diameter.

4.3 Mini Chainsaw

The 6-inch mini chainsaw features a 650W high-powered brushless motor, delivering an ultra-high chain speed of 26 ft/sec. This allows it to cut a 6-inch diameter log in approximately 8 seconds. Before operation, ensure the chain is properly lubricated via the external oil system. Hold the chainsaw firmly with both hands and maintain a stable stance. Always be aware of potential kickback.

HIGH-EFFICIENT CUTTING

26FT/S CHAIN SPEED

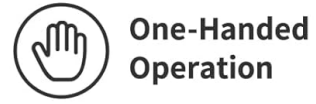


Image: The cordless mini chainsaw cutting a log.

4.4 Extension Pole Use

The telescopic extension pole extends from 3.3 ft to 6 ft, providing a total reach of up to 12 ft when combined with the tool and user's height. This allows for pruning high branches without the need for ladders. To adjust the pole length, unlock the clamps, extend or retract the sections to the desired length, and then securely lock the clamps. Always ensure the tool is firmly attached to the pole before use. Exercise caution when operating overhead and maintain a safe distance from power lines.

BRANCH CUTTING & TRIMMING



AUTOMATIE TELESCOPIC HIGHT POLE

Height total reach of max **12FT**

Image: A user operating the mini chainsaw with the extension pole to reach high branches.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your tools.

- **Cleaning:** After each use, remove the battery and clean the tools with a dry cloth. Remove any sap, sawdust, or debris from the blades, chain, and housing.
- **Blade/Chain Care:** Inspect the pruning shears blades for sharpness and damage. Replace dull or damaged blades using the provided spares. For the chainsaw, regularly check the chain for sharpness and tension. Sharpen the chain as needed or replace it with one of the included spare chains.
- **Chainsaw Lubrication:** Regularly check the oil level in the chainsaw's oil tank and refill with lubricating oil as needed to ensure continuous chain lubrication during operation.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. Do not store fully discharged batteries for extended periods.
- **Storage:** Store the tools and accessories in the provided storage bag in a secure, dry place, out of reach of children.

6. TROUBLESHOOTING

If you encounter issues with your Dragro 2-in-1 tool, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly inserted; Safety lock engaged; Tool malfunction	Ensure battery is fully charged and correctly inserted. Disengage safety lock. If problem persists, contact customer support.
Poor cutting performance (Pruning Shears)	Dull or damaged blade; Cutting material too thick	Replace the blade. Do not attempt to cut branches exceeding 1.6 inches (40mm).
Poor cutting performance (Chainsaw)	Dull or loose chain; Insufficient lubrication	Sharpen or replace the chain. Adjust chain tension. Refill oil tank and ensure proper lubrication.
Battery not charging	Charger not connected; Faulty battery or charger	Ensure charger is properly connected to power and battery. Try a different outlet. If problem persists, contact customer support.

7. SPECIFICATIONS

Feature	Specification
Model Number	DS-02
Power Source	Battery Powered
Battery Type	21V Lithium Ion (4000mAh)
Pruning Shears Max Cutting Diameter	1.6 inches (40mm)
Chainsaw Bar Length	6 inches
Chainsaw Motor Horsepower	650 Watts
Chainsaw Chain Speed	26 ft/sec
Extension Pole Length	3.3 ft to 6 ft (up to 12 ft total reach)
Item Weight (Chainsaw)	2.6 pounds
Item Weight (Pruning Shears)	2.2 pounds
Package Dimensions	38.7 x 13.4 x 2.1 inches



DRAGRO

**ELECTRIC
PRUNING SHEARS
& 6IN CHAINSAW**



Image: Dimensional overview of the Dragro electric pruning shears, mini chainsaw, and extension pole.

8. WARRANTY AND SUPPORT

The main body of the Dragro 2-in-1 Electric Pruning Shears and Mini Chainsaw is covered by a 6-month warranty. Please note that blades and batteries are not included under this warranty.

For any questions, technical assistance, or warranty claims, please contact Dragro customer service. Refer to your purchase documentation for specific contact details or visit the official Dragro store page.

Dragro Store: Visit the Dragro Store on Amazon