

## DayPlus Mini Kettensaeger

# DayPlus 21V Cordless Mini Chainsaw User Manual

Model: Mini Kettensaeger

## 1. SAFETY INSTRUCTIONS

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Read all safety warnings and instructions before operating this tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Personal Protective Equipment:** Always wear appropriate personal protective equipment, including safety glasses, gloves, and hearing protection, when operating the chainsaw.
- **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.
- **Secure Grip:** Always maintain a firm, one-handed grip on the chainsaw handle during operation.
- **Accidental Start-up Prevention:** The chainsaw features a safety switch protection and a lock button to prevent accidental start-up. Ensure these mechanisms are engaged when not in use.
- **Splash Guard:** The unique safety splash guard protects against debris during pruning and cutting. Do not remove or modify it.
- **Overload Protection:** The intelligent control circuit includes overload protection for continuous long-term work. If the tool stops, allow it to cool down before resuming operation.
- **Chain Tension:** Ensure the chain is neither too tight nor too loose. Incorrect tension can lead to operational issues or trigger device protection due to overheating.
- **Battery Safety:** Use only the specified battery and charger. Do not expose batteries to high temperatures or fire.

## 2. PRODUCT OVERVIEW

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The DayPlus 21V Cordless Mini Chainsaw is a compact and efficient tool designed for outdoor wood cutting, pruning, and other gardening tasks. Its lightweight design and ergonomic handle allow for easy one-handed operation.



**Figure 2.1: Chainsaw Components.** This image shows the main components of the mini chainsaw, including the safety guard, lock button, comfortable grip, 1500mAh battery, switch button, guide plate, and high-quality chain.



**Figure 2.2: Ergonomic and Safety Features.** This image highlights the cooling port for heat dissipation, the anti-slip grip for comfortable handling, and the lock switch for enhanced safety.

### Key Features:

- **Powerful Motor:** Equipped with a 550W high-speed gear motor for efficient cutting.
- **Cordless Operation:** Powered by a removable 21V 1500mAh lithium battery for portability.

- **Compact and Lightweight:** Designed for easy one-handed use, weighing approximately 1.1kg (including battery).
- **Safety Features:** Includes a safety switch, lock button, and splash guard.
- **Durable Chain and Guide Plate:** Upgraded high-quality chain and integrated guide plate for smooth and efficient cutting.
- **Efficient Cooling:** Integrated cooling port for improved heat dissipation and prolonged tool life.
- **Ergonomic Design:** Anti-slip grip for comfortable and secure handling, even during extended use.

### Package Contents:

- 1 x Electric Chainsaw
- 1 x Battery (21V, 1500mAh)
- 1 x Charger
- 1 x Chain (pre-installed)
- 1 x Wrench
- 1 x Screwdriver
- 1 x User Manual

## 3. SETUP

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### 3.1 Charging the Battery

1. Ensure the battery is fully charged before first use.
2. Connect the charger to a power outlet.
3. Insert the battery into the charger. The indicator light on the charger will show the charging status.
4. Once fully charged, disconnect the battery from the charger and unplug the charger from the outlet.

### 3.2 Installing the Battery

- Align the charged battery with the battery slot on the chainsaw handle.
- Slide the battery into the slot until it clicks securely into place.
- To remove the battery, press the release button (if present) and slide the battery out.

### 3.3 Chain and Guide Plate Installation (Pre-installed)

The mini chainsaw typically comes with the chain and guide plate pre-installed. If re-installation is required, refer to the following:

- Ensure the chainsaw is powered off and the battery is removed before any installation or adjustment.
- Place the chain around the guide plate, ensuring the cutting edges are facing the correct direction.
- Mount the guide plate and chain onto the chainsaw body.
- Adjust the chain tension. The chain should be snug but still able to be pulled slightly away from the guide bar. It should not sag underneath.
- Tighten the retaining nuts or screws to secure the guide plate.

# Gehärtete Kette Hochwertige Führungsplatte



Integrierte Führungsplatte  
Verbessern Sie Härte und Zähigkeit



Hohe Härte  
Verschleißfestigkeit  
Nicht leicht zu Brechen  
Schärfer und Langlebiger



**Figure 3.1: Chain and Guide Plate.** This image highlights the hardened chain and high-quality integrated guide plate, emphasizing their durability and wear resistance.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Starting the Chainsaw

1. Ensure the battery is fully charged and securely installed.
2. Hold the chainsaw firmly with one hand.
3. Press and hold the safety lock button.
4. While holding the safety lock button, press the power switch button to start the chainsaw.
5. Release the safety lock button once the chainsaw is running.

## How to Start Work?



Schritt 1: Drücken Sie die Sperrtaste



Schritt 2: Drücken Sie die Umschalttaste



Figure 4.1: Starting Procedure. This image illustrates the two-step process to start the chainsaw: first press the lock button, then the switch button.

### 4.2 Cutting Techniques

- **General Cutting:** The chainsaw is suitable for cutting wood and PVC. It can cut wood with a diameter of approximately 80mm in about 10 seconds.
- **Pruning Branches:** Position the chainsaw firmly against the branch. Apply steady, even pressure. Avoid forcing the saw through the material.
- **One-Handed Operation:** The ergonomic design allows for comfortable one-handed use, reducing fatigue during extended tasks.
- **Material Compatibility:** This tool is designed for cutting bamboo, branches, wood, and PVC pipes.

# Multipurpose



**Figure 4.2: Multipurpose Use.** This image demonstrates the versatility of the chainsaw for cutting various materials including bamboo, tree branches, wood, and PVC pipes.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your chainsaw.

### 5.1 Chain Oiling and Cleaning

- After each use, ensure the chainsaw is powered off and the battery is removed.
- Apply a small amount of chain oil to the chain and guide bar. This helps reduce friction and wear.
- Wipe down the chainsaw body with a clean, dry cloth. Do not wash with water.
- Regularly check the chain for sharpness and damage. Replace dull or damaged chains promptly.

### 5.2 Battery Care

- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store the battery completely discharged for extended periods. Charge it periodically if not in use.

## 6. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Chainsaw does not start.	Battery not charged or improperly installed. Safety lock button not pressed.	Ensure battery is fully charged and correctly inserted. Press and hold the safety lock button before pressing the power switch.
Chainsaw stops during operation.	Overload protection activated. Battery low.	Allow the tool to cool down. Reduce cutting pressure. Recharge or replace the battery.

Problem	Possible Cause	Solution
Chain is loose or too tight.	Incorrect chain tension adjustment.	Adjust chain tension as described in Section 3.3. Ensure it is snug but can still be moved slightly.
Reduced cutting performance.	Dull chain. Insufficient chain lubrication.	Sharpen or replace the chain. Apply chain oil regularly.

## 7. SPECIFICATIONS

Feature	Specification
Type	4-inch Mini Chainsaw
Material	ABS + Metal
Battery	21V, 1500mAh Lithium Battery
Power	550W
Guide Plate Length	10.2 cm (4 inches)
Max Cutting Size	<80 mm
Cutting Depth (Wood)	80 mm
Cutting Depth (PVC)	80 mm
Blade Size	110 mm
Max Load Speed	2000 spm (strokes per minute)
Weight (with battery)	Approx. 1.1 kg

# Leichter Körper, Einhändig

Klein und leicht, nur wenig größer als Handscheren



**Figure 7.1: Compact Design.** This image illustrates the lightweight body and compact size of the chainsaw, comparing it to hand shears, highlighting its suitability for one-handed operation.

## 8. WARRANTY AND SUPPORT

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Specific warranty information is not provided in this manual. For warranty details, technical support, or replacement parts, please contact your retailer or the manufacturer directly.

Manufacturer: DayPlus

Model Reference: Mini Kettensaeger