

[Manuals.plus](#) /

› [CRAFTSMAN](#) /

› CRAFTSMAN V20 2-in-1 String Trimmer and Edger (CMCST901B) User Manual

CRAFTSMAN CMCST901B

CRAFTSMAN V20 2-in-1 String Trimmer and Edger (CMCST901B) User Manual

Model: CMCST901B

INTRODUCTION

This manual provides detailed instructions for the safe and effective assembly, operation, maintenance, and troubleshooting of your CRAFTSMAN V20 2-in-1 String Trimmer and Lawn Edger, model CMCST901B. This battery-powered tool is designed for efficient yard care, offering up to 63 minutes of runtime and a 13-inch cutting swath. It features a robust motor for cutting through dense grass and weeds, and Turn-To-Edge functionality for seamless switching between trimming and edging tasks. The adjustable handle height ensures comfortable operation. This tool is part of the V20 system, compatible with other CRAFTSMAN V20 batteries and chargers (sold separately).

IMPORTANT SAFETY INFORMATION

Always observe basic safety precautions when using this product to reduce the risk of fire, electric shock, and personal injury.

- **Read All Instructions:** Familiarize yourself with the controls and proper use of the tool.
- **Wear Eye Protection:** Always wear safety glasses or goggles that comply with applicable standards.
- **Wear Appropriate Clothing:** Long pants, long sleeves, and sturdy footwear are recommended. Avoid loose clothing or jewelry that could get caught in moving parts.
- **Keep Work Area Clear:** Ensure the area is free of debris, rocks, and other objects that could be thrown by the cutting line. Keep bystanders, children, and pets at a safe distance.
- **Battery Safety:** Use only CRAFTSMAN V20 batteries and chargers. Do not charge batteries in damp or wet locations. Do not incinerate the battery even if it is severely damaged or completely worn out.
- **Inspect Before Use:** Check for damaged parts, loose fasteners, or any other condition that may affect safe operation.
- **Disconnect Battery:** Always remove the battery pack before making any adjustments, changing accessories, or storing the tool.

PACKAGE CONTENTS

The CRAFTSMAN V20 2-in-1 String Trimmer and Edger (CMCST901B) is sold as a tool-only unit. The package typically includes:

- CRAFTSMAN V20 String Trimmer/Edger Unit
- Guard Assembly
- Auxiliary Handle
- Operator's Manual

Note: Battery and charger are sold separately.



LONG RUNTIME

UP TO 63 MINUTES OF RUNTIME[†]

[†]Per charge, using CMCB204 4.0Ah battery (sold separately) on low speed.

Image: The CRAFTSMAN V20 2-in-1 String Trimmer and Edger, showing the main unit with its handle and cutting head. This image represents the tool as it appears out of the box, without the battery attached.

SETUP

1. Attaching the Guard

1. Ensure the battery pack is removed from the tool.
2. Align the guard with the slots on the trimmer head.
3. Push the guard firmly until it clicks into place. Ensure it is securely fastened before use.

2. Attaching the Auxiliary Handle

1. Loosen the knob on the auxiliary handle.
2. Slide the handle onto the shaft to a comfortable operating position.
3. Tighten the knob securely.

3. Inserting the Battery Pack

1. Ensure the battery pack is fully charged.
2. Align the battery pack with the battery port on the tool's handle.
3. Slide the battery pack into the tool until it locks securely in place.
4. To remove, press the battery release button and pull the battery pack out.

CRAFTSMAN®

LONG RUNTIME
UP TO 63 MINUTES OF RUNTIME†

52% MORE POWER**
SLICES THROUGH THICK GRASS

VERSATILE OPERATION
TURN-TO-EDGE FUNCTIONALITY

LARGE TRIM AREA
13 IN. CUTTING SWATH

TOOL ONLY


**BATTERY & CHARGER
SOLD SEPARATELY**

†Per charge, using CMCB204 4.0Ah battery (sold separately) on low speed.

**On average, based on MWO, using CMCB204 4.0Ah battery (sold separately) vs. CMCST915 String Trimmer.

Image: A detailed diagram of the CRAFTSMAN V20 String Trimmer, highlighting key features such as the handle, battery slot, and cutting head. This visual aid helps in identifying components during assembly.

OPERATING INSTRUCTIONS

Starting and Stopping

1. To start the tool, press the lock-off button and then squeeze the trigger switch.
2. To stop the tool, release the trigger switch.

Adjusting Speed Modes

The tool features two performance modes to optimize for runtime or power:

- **Low Speed:** For extended runtime and lighter trimming tasks.
- **High Speed:** For increased power to cut through thicker grass and weeds.

Use the speed selector switch located on the handle to toggle between modes.

Trimming Operation

Hold the trimmer with both hands, ensuring a firm grip. Keep the cutting head parallel to the ground and use a sweeping motion to cut grass. Avoid hitting hard surfaces or objects.



LARGE TRIM AREA

13 IN. CUTTING SWATH

Image: A person operating the CRAFTSMAN V20 String Trimmer to trim grass along a fence line. This demonstrates proper handling and use for trimming tasks.

Edging Operation (Turn-To-Edge Functionality)

To switch to edging mode, rotate the shaft 90 degrees. This allows the cutting head to be positioned vertically for precise edging along sidewalks, driveways, and flowerbeds. Walk slowly and steadily, guiding the cutting line along the edge.



VERSATILE OPERATION

TURN-TO-EDGE FUNCTIONALITY

Image: A person utilizing the CRAFTSMAN V20 tool in edging mode, demonstrating how to achieve clean edges along a paved path. The cutting head is oriented vertically for this function.

Automatic Line Feed

This trimmer features an automatic line feed system. When the cutting line wears down, it will automatically extend more line as needed during operation. If the line does not feed, refer to the Troubleshooting section.

MAINTENANCE

Replacing the Trimmer Line

Always remove the battery pack before replacing the trimmer line.

1. Press the tabs on the trimmer head to remove the spool cover.
2. Remove the empty spool.
3. Insert a new pre-wound spool, ensuring the line ends are threaded through the eyelets.

4. Replace the spool cover, ensuring it clicks securely into place.

Cleaning and Storage

- After each use, remove the battery pack.
- Clean the tool with a damp cloth. Do not use strong detergents or solvents.
- Remove any grass clippings or debris from the guard and cutting head.
- Store the tool in a dry, secure place, out of reach of children.
- Store the battery pack separately in a cool, dry place.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	Battery not inserted correctly or discharged.	Ensure battery is fully inserted. Charge battery if necessary.
Cutting line does not feed.	Line is tangled or too short.	Remove battery, remove spool cover, untangle or replace line.
Reduced cutting performance.	Line is worn or too short.	Replace trimmer line. Ensure correct speed mode is selected for the task.
Excessive vibration.	Damaged cutting head or unbalanced line.	Inspect cutting head for damage. Ensure line is properly wound and balanced.

SPECIFICATIONS

- **Model Number:** CMCST901B
- **Power Source:** Battery Powered (CRAFTSMAN V20 System)
- **Cutting Width:** 13 inches
- **Battery Average Life:** Up to 63 minutes (with CMCB204 4.0Ah battery on low speed)
- **Product Dimensions:** 31.77"L x 7.72"W
- **Functionality:** 2-in-1 String Trimmer and Lawn Edger

WARRANTY AND SUPPORT

This CRAFTSMAN V20 2-in-1 String Trimmer and Edger (CMCST901B) comes with a **3 Year Limited Warranty**. For detailed warranty terms, service, or technical support, please refer to the official CRAFTSMAN website or contact their customer service. Keep your purchase receipt as proof of purchase.

For further assistance, visit the official CRAFTSMAN support page:www.craftsman.com/support