

CK Worldwide SGFP-10-1-L6

CK Worldwide SGFP-10-1-L6 Steady Grip Foot Pedal User Manual

Model: SGFP-10-1-L6

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of the CK Worldwide SGFP-10-1-L6 Steady Grip Foot Pedal. This device is designed to offer precise amperage control for welding applications, featuring a versatile 3-in-1 design that includes a traditional foot pedal, a steady grip, and an amptrack slider.

Please read this manual thoroughly before operating the device to ensure proper setup, operation, and maintenance, thereby maximizing its performance and longevity.

2. SAFETY INFORMATION

Always observe the following safety precautions when using the CK Worldwide Steady Grip Foot Pedal:

- Ensure the welding machine is turned off and unplugged before connecting or disconnecting the foot pedal.
- Verify that the foot pedal's connector is compatible with your welding machine's receptacle.
- Keep the foot pedal and its cable away from hot surfaces, sharp edges, and moving parts.
- Do not operate the foot pedal in wet conditions or in the presence of flammable liquids or gases.
- Regularly inspect the cable and connector for any signs of damage. Do not use if damaged.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning). Handle with care and wash hands after use.

3. PRODUCT OVERVIEW

The CK Worldwide SGFP-10-1-L6 Steady Grip Foot Pedal is an advanced amperage control device for TIG welding. It integrates three distinct control methods into one unit for enhanced versatility.

3.1 Components

- **Foot Pedal Unit:** The primary housing for the control mechanism.
- **Control Cable:** Connects the pedal to the welding machine.
- **Connector Plug:** Specific to Lincoln 6-pin machines for secure connection.
- **Steady Grip Handle:** An ergonomic handle for handheld amperage control.
- **AmpTrack Slider:** A sliding mechanism for precise thumb-controlled amperage adjustment.



Figure 1: Overview of the CK Worldwide SGFP-10-1-L6 Steady Grip Foot Pedal, showing the main pedal unit, connecting cable, and internal components including the spring mechanism and control board.



Figure 2: The CK Worldwide SGFP-10-1-L6 Steady Grip Foot Pedal, showcasing the red pedal housing and the gray control cable with its 6-pin connector, ready for machine connection.

4. SETUP

Follow these steps to set up your Steady Grip Foot Pedal:

1. **Power Off Welding Machine:** Ensure your welding machine is completely powered off and unplugged from the main power supply.
2. **Connect Foot Pedal:** Locate the 6-pin receptacle on your Lincoln welding machine. Align the connector plug of the foot pedal with the receptacle and firmly insert it until it clicks into place.
3. **Position Pedal:** Place the foot pedal on a stable, flat surface where it will not slip during operation. Ensure the cable is routed safely to avoid tripping hazards or damage.
4. **Power On Welding Machine:** Once the pedal is securely connected, you may plug in and power on your welding machine.
5. **Test Functionality:** Before beginning any welding task, perform a quick test to ensure the pedal responds correctly to input and controls amperage as expected.



Figure 3: The CK Worldwide SGFP-10-1-L6 Steady Grip Foot Pedal with its cable extending from the rear, illustrating how it would be positioned for use and connection to a welding machine.

5. OPERATING INSTRUCTIONS

The SGFP-10-1-L6 offers three distinct modes of amperage control:

5.1 Foot Pedal Mode

This is the traditional method of amperage control. Pressing the pedal down increases amperage, while releasing it decreases amperage. This mode provides precise, hands-free control, ideal for applications requiring continuous adjustment during the weld.

- Place the pedal on the floor in a comfortable position.
- Apply pressure with your foot to control the welding current.
- Release pressure to reduce or stop the current.

5.2 Steady Grip Mode

For situations where a foot pedal is impractical or uncomfortable, the Steady Grip allows for handheld amperage control. This mode is particularly useful for welding in awkward positions or when mobility is required.

- Detach the Steady Grip handle from the pedal unit (if applicable, or use as integrated).
- Hold the grip firmly and use the integrated control (e.g., a button or lever) to adjust amperage.
- Maintain a steady hand for consistent amperage delivery.

5.3 AmpTrack Slider Mode

The AmpTrack Slider provides fine-tuned, thumb-controlled amperage adjustment. This mode is excellent for precise, incremental changes in current, offering superior control for delicate or intricate welding tasks.

- Utilize the slider mechanism located on the unit (or Steady Grip) with your thumb.
- Slide the control forward to increase amperage and backward to decrease it.
- Practice smooth movements for consistent results.



Figure 4: An internal view of the CK Worldwide SGFP-10-1-L6 Steady Grip Foot Pedal, revealing the intricate mechanical and electrical components responsible for its precise amperage control, including the spring and potentiometer.

6. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your foot pedal:

- **Cleaning:** Wipe the exterior of the pedal with a clean, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Cable Inspection:** Regularly check the control cable for cuts, kinks, or fraying. Replace the pedal if the cable is damaged.
- **Connector Care:** Keep the connector pins clean and free of debris. Ensure a secure connection to prevent intermittent operation.
- **Storage:** Store the foot pedal in a dry, clean environment, away from extreme temperatures and direct sunlight. Coil the cable loosely to prevent damage.
- **Internal Components:** The internal components are not user-serviceable. Do not attempt to open the pedal housing, as this may void the warranty and expose you to electrical hazards.

7. TROUBLESHOOTING

If you encounter issues with your foot pedal, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Amperage Control	Loose or incorrect connection; Welding machine not set to remote control mode; Damaged cable/connector.	Ensure pedal is securely connected; Check welding machine settings; Inspect cable for damage and replace if necessary.
Intermittent Amperage	Poor connection; Debris in connector; Internal wiring issue.	Clean connector pins; Ensure firm connection; If problem persists, contact support.
Pedal Sticking/Stiff	Debris under pedal; Mechanical wear.	Clean around the pedal mechanism; Do not lubricate; If mechanical issue, contact support.

If the problem persists after attempting these solutions, please contact CK Worldwide customer support.

8. SPECIFICATIONS

Feature	Detail
Manufacturer	CK Worldwide
Part Number	SGFP-10-1-L6
Item Weight	6 pounds
Product Dimensions	6 x 1 x 1 inches
Item Package Quantity	1
ASIN	B0DBM93XYT
Date First Available	October 4, 2018
Compatibility	Lincoln 6-pin welding machines
Amperage Control	10k potentiometer
Cable Length	14 feet

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact CK Worldwide directly. Refer to the product packaging or the official CK Worldwide website for the most current contact details and warranty terms.

CK Worldwide Customer Service: [Visit CK Worldwide Website](#)