



Manuals.plus /

› HITBOX /

› HITBOX TIG Welder Foot Pedal Instruction Manual for HBT250P

HITBOX HBT250P Foot Pedal

HITBOX TIG Welder Foot Pedal Instruction Manual

MODEL: HBT250P FOOT PEDAL

1. Introduction

This manual provides detailed instructions for the proper installation, operation, and maintenance of your HITBOX TIG Welder Foot Pedal. This foot pedal is specifically designed for use with the HITBOX HBT250P TIG Welding Machine to provide precise remote amperage control. Please read this manual thoroughly before use to ensure safe and efficient operation.

2. Safety Information

Always observe general welding safety precautions when using this foot pedal in conjunction with your welding machine. Failure to do so may result in serious injury or damage to equipment.

- Ensure the welding machine is turned off and unplugged before connecting or disconnecting the foot pedal.
- Keep the foot pedal clean and free from debris, especially metal shavings, which could interfere with its operation.
- Do not expose the foot pedal to excessive moisture or extreme temperatures.
- Use only with compatible HITBOX welding machines as specified.
- Always wear appropriate personal protective equipment (PPE) when welding.

3. Package Contents

- 1 x HITBOX TIG Welder Foot Pedal
- 1 x Integrated 5-Pin 10 Feet Cable

4. Product Overview

The HITBOX TIG Welder Foot Pedal is designed for precise current control during TIG welding. Its ergonomic design reduces operator fatigue, and the durable alloy material ensures longevity.



Figure 1: HITBOX TIG Welder Foot Pedal with integrated 5-pin cable.

Key Features:

- **Ergonomic Design:** The pedal's tilt angle is designed for comfortable operation, minimizing foot fatigue during extended welding sessions.
- **Durable Material:** Constructed from high-quality alloy, ensuring wear resistance and durability in demanding work environments.
- **5-Pin Connector:** Equipped with a standard 5-pin connector for reliable connection to compatible HITBOX TIG welders.
- **Adjustable Current Knob:** Allows for setting the maximum amperage range (0-200 Amps) directly on the pedal.

Wire length
118.11in/300cm

0.74in/1.9cm

1.18in/3cm



Figure 2: Dimensions of the foot pedal and its 5-pin connector.



Figure 3: Adjustable current knob on the foot pedal.

5. Setup

The HITBOX TIG Welder Foot Pedal is designed for easy plug-and-play installation. It is compatible only with the HITBOX HBT250P TIG Welding Machine.

Connection Steps:

1. Ensure your HITBOX HBT250P TIG Welding Machine is powered off and unplugged from the main power supply.
2. Locate the 5-pin remote control socket on the front panel of your HBT250P welding machine.
3. Align the 5-pin connector of the foot pedal cable with the socket on the welding machine. Gently push and twist to secure the connection.
4. Connect your TIG torch and ground clamp to the appropriate terminals on the welding machine as per your welder's manual.
5. Once all connections are secure, you may plug in and power on your welding machine.

FOOT SWITCH LINK METHOD

ADJUSTABLE CURRENT **0-200A**



Figure 4: HITBOX HBT250P Welder connected to the foot pedal.

Your browser does not support the video tag.

Video 1: This video demonstrates the connection process of the HITBOX TIG Welder Foot Pedal to the HBT250P welding machine and its function in controlling welding current.

6. Operating Instructions

The foot pedal allows for precise and hands-free control of welding current, enhancing welding accuracy and comfort.

Current Control:

- **Setting Maximum Amperage:** Use the adjustable knob on the foot pedal to set the desired maximum welding current. The range is 0-200 Amps. This knob acts as a limit for the pedal's output.
- **Foot Control:** Once the maximum amperage is set, press the foot pedal to initiate the arc. The further you press the pedal, the higher the welding current will be, up to the maximum limit you set.
- **Precise Adjustment:** Subtle foot movements allow for fine-tuning of the current intensity, providing optimal control for various welding tasks and materials.
- **Hands-Free Operation:** This feature frees your hands to focus on torch manipulation and filler rod feeding, improving overall weld quality.



Figure 5: Illustrating hands-free current control with the foot pedal.

7. Maintenance

Regular maintenance ensures the longevity and reliable performance of your foot pedal.

- **Cleaning:** Periodically clean the foot pedal surface to remove dust, dirt, and metal particles. Use a dry cloth or compressed air. Avoid using harsh chemicals or solvents.
- **Cable Inspection:** Regularly inspect the cable and connector for any signs of damage, fraying, or loose connections. Replace if necessary.
- **Storage:** Store the foot pedal in a clean, dry environment when not in use, away from direct sunlight and extreme temperatures.

8. Troubleshooting

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

Problem	Possible Cause	Solution
Foot pedal not responding	Loose or incorrect connection; Welder not set to remote control mode; Damaged cable/connector.	Check 5-pin cable connection; Ensure welder is in remote control mode (refer to HBT250P manual); Inspect cable for damage.
Inconsistent current control	Debris under pedal mechanism; Faulty internal components.	Clean pedal mechanism; If problem persists, contact customer support.
No current adjustment via pedal	Amperage knob on pedal set to minimum; Welder not recognizing pedal.	Adjust amperage knob on pedal to desired maximum; Reconnect pedal and restart welder.

9. Specifications

Feature	Specification
Brand	HITBOX
Model Number	Welder Foot Pedal
Item Weight	2.79 pounds
Package Dimensions	12.09 x 8.19 x 5.79 inches
Power Source	AC
Included Components	Welder Foot Pedal
Current Adjustment Range	0-200 Amps
Cable Length	10 Feet (approx. 300cm)
Connector Type	5-Pin

10. Warranty and Support

HITBOX is committed to providing quality products and customer satisfaction.

- **Warranty:** HITBOX provides 2 years of quality support for this product.
- **Customer Service:** For any problems or inquiries, professional staff are available to assist you. Please refer to the contact information provided with your product or visit the official HITBOX website for support.

For more information and products, visit the [HITBOX Store](#).