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> [HITBOX ARC200MINI3 Mini Stick Welder User Manual](#)

HITBOX ARC200MINI3

HITBOX ARC200MINI3 Mini Stick Welder User Manual

Model: ARC200MINI3 | Brand: HITBOX

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1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation of your HITBOX ARC200MINI3 Mini Stick Welder. Please read this manual thoroughly before use and retain it for future reference.

2. SAFETY INFORMATION

Welding operations involve significant risks. Always prioritize safety to prevent injury or damage. This welder includes multiple safety features such as over-heating, over-current, and over-loading protection. However, proper personal protective equipment (PPE) and adherence to safety guidelines are crucial.

General Safety Precautions:

- Wear appropriate personal protective equipment (PPE), including a welding helmet, gloves, and protective clothing.
- Ensure adequate ventilation in the work area to avoid inhaling fumes.
- Keep flammable materials away from the welding area.
- Ensure the work area is dry and free from moisture.
- Do not touch live electrical parts.
- Always disconnect power before performing maintenance or adjustments.
- Use only genuine replacement parts and accessories.

3. PACKAGE CONTENTS

Upon unpacking, verify that all items listed below are present and undamaged:



Image: HITBOX ARC200MINI3 Mini Stick Welder with its accessories, including an instruction manual, ground clamp, electrode holder, welding rods, and a cleaning brush.

1. HITBOX ARC200MINI3 Mini Stick Welder Unit
2. Instruction Manual
3. Ground Clamp (4.9 ft)
4. Electrode Holder (4.9 ft)
5. 5 x Welding Rods (2.0 mm)
6. Cleaning Brush

Note: A WP17V TIG torch is required for Lift TIG welding and must be purchased separately.

4. PRODUCT FEATURES

The HITBOX ARC200MINI3 is designed for versatility and ease of use, incorporating advanced welding technologies:

- **2-in-1 Welding Capability:** Supports both ARC (MMA) and Lift TIG welding functions.

- **User-Friendly Interface:** Features an LCD display and built-in functions like VRD, Hot Start, Arc Force, and Anti-Stick for easier arc striking and prevention of electrode sticking.
- **Outstanding Welding Capability:**
 - ARC: Compatible with 1.6mm-2.5mm welding rods, welding thickness 1mm-6mm.
 - Lift TIG: Compatible with 1.6mm-2.4mm tungsten electrodes, welding thickness 0.8mm-4mm.
 - Suitable for carbon steel, iron, galvanized steel, and stainless steel.
- **Portable Design:** Compact (4.5x5.9x9.2 inches) and lightweight (5.9 lbs) for easy transport.
- **IGBT Inverter Technology:** Ensures professional-grade welding results.
- **Safety Protections:** Includes over-heating, over-current, and over-loading protection.



Image: Front view of the HITBOX ARC200MINI3 Mini Stick Welder, showcasing its compact design and control panel.

5. SETUP INSTRUCTIONS

5.1. General Connections

Before connecting any cables, ensure the welder is turned off and unplugged from the power source.

5.2. Stick Welding (MMA) Setup

1. Connect the electrode lead to the positive (+) output terminal on the front panel.
2. Connect the ground clamp to the negative (-) output terminal on the front panel. The other side of the clamp should

be securely connected to the metal workpiece.

3. Insert the welding electrode into the electrode holder.
4. Turn on the power switch. The MMA light on the display should illuminate.
5. Adjust the welding current using the control knob to the desired setting for your electrode and material thickness.

Your browser does not support the video tag.

Video: Demonstrates the setup and operation of the HITBOX ARC200MINI3 for stick welding, including connecting cables and performing a weld.

5.3. Lift TIG Welding Setup

1. Connect the TIG torch to the negative (-) output terminal on the front panel.
2. Connect the Argon Cylinder and the gas inlet hose of the TIG torch.
3. Connect the ground clamp to the positive (+) output terminal on the front panel. The other side of the clamp should be securely connected to the metal workpiece.
4. Turn on the power switch. Press the function button to switch the mode to Lift TIG welding.
5. Adjust the welding current using the control knob.



Image: Visual guide showing the connections for both Stick (MMA) and Lift TIG welding modes on the HITBOX ARC200MINI3.

6. OPERATING INSTRUCTIONS

6.1. General Operation

- Ensure all connections are secure and the workpiece is properly grounded.
- Select the appropriate welding mode (MMA or Lift TIG) using the function button.
- Adjust the welding current based on the material thickness and electrode/tungsten size.
- Always wear a welding helmet and protective gear before striking an arc.

6.2. ARC Welding (MMA)

The Hot Start, Arc Force, and Anti-Stick functions are designed to enhance arc stability and prevent electrode sticking, making it easier for both beginners and experienced welders.

ULTRA-PORTABLE

Mini & Lightweight



5.59LBS
Weights Only

Image: A person performing stick welding with the HITBOX ARC200MINI3, demonstrating the welding process.

6.3. Lift TIG Welding

For Lift TIG welding, gently touch the tungsten electrode to the workpiece and then lift it slightly to initiate the arc. Maintain a consistent arc length and travel speed for optimal results.

2 IN 1 MINI WELDER



ARC



LIFT TIG

(WP17V torch needs to be purchased separately.)

Image: A person performing Lift TIG welding, highlighting the precision and control offered by the HITBOX ARC200MINI3.

7. MAINTENANCE

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

- **Cleaning:** Periodically clean the exterior of the machine with a dry cloth. Use compressed air to clear dust from ventilation openings.
- **Cable Inspection:** Regularly inspect all cables, connections, and the electrode holder/TIG torch for wear, damage, or loose connections. Replace damaged components immediately.
- **Storage:** Store the welder in a dry, dust-free environment when not in use.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Arc / Weak Arc	Improper current setting, poor ground connection, damp electrode (MMA), incorrect tungsten (TIG).	Adjust current, ensure secure ground, use dry electrodes, check tungsten type/sharpness.
Electrode Sticking (MMA)	Low current, improper arc length, electrode type.	Increase current, maintain proper arc length, use appropriate electrode.
Overheat Protection Activated	Exceeded duty cycle, poor ventilation.	Allow machine to cool down, ensure clear ventilation, reduce welding time.
"ERR" Displayed	Internal fault, over-voltage/current.	Turn off and restart. If persistent, contact customer support.

9. SPECIFICATIONS

Feature	Detail
Model Number	ARC200MINI3
Voltage	110 Volts
Item Weight	5.9 pounds
Product Dimensions	9.25 x 4.5 x 5.9 inches
Material	Metal
Manufacturer	HITBOX
ARC Rod Diameter	1.6mm-2.5mm
ARC Welding Thickness	1mm-6mm
Lift TIG Tungsten Diameter	1.6mm-2.4mm
Lift TIG Welding Thickness	0.8mm-4mm

10. WARRANTY & SUPPORT

HITBOX provides **2 years of quality support** for this mini stick welder. For technical assistance, warranty claims, or further inquiries, please contact HITBOX customer service through their official channels or visit their website.

For more information, visit the [HITBOX Store on Amazon](#).

Related Documents - ARC200MINI3



[HITBOX MIG250DP Professional MIG Welding Machine for Aluminum](#)

Discover the HITBOX MIG250DP, a versatile 5-in-1 MIG welding machine designed for aluminum and other metals. Features include 2T/4T function, synergic control, IGBT inverter, and advanced digital display. Ideal for professional and beginner welders.



[HITBOX SYN MIG200 MIG/MAG Inverter Welder Test Report](#)

This comprehensive test report details the performance and compliance of the HITBOX SYN MIG200 MIG/MAG inverter welder, tested by Dongguan NTEK Testing Service Co., Ltd. against CAN/CSA E60974-1-12 and ANSI/IEC 60974-1 standards.

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[HZXVOGEN MIG185II Operation Instruction Manual - Welding Machine Guide](#)

Comprehensive operation instruction manual for the HZXVOGEN MIG185II welding machine. Learn about features, applications, parameters, troubleshooting, and safety for this IGBT inverter welder.



[HITBOX SYN MIG200 MIG/MAG Inverter Welder Test Report](#)

This comprehensive test report details the performance and compliance of the HITBOX SYN MIG200 MIG/MAG inverter welder, tested by Dongguan NTEK Testing Service Co., Ltd. against CAN/CSA E60974-1-12 and ANSI/IEC 60974-1 standards.