

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Reboot](#) /
- › [Reboot RBM2500D PRO 250Amp 6-in-1 Multi-Process MIG Welder Instruction Manual](#)

Reboot RBM2500D PRO

Reboot RBM2500D PRO 250Amp 6-in-1 Multi-Process MIG Welder Instruction Manual

Model: RBM2500D PRO | Brand: Reboot

[Introduction](#) [Safety Warnings](#) [Package Contents](#) [Setup](#) [Operating Modes](#) [Maintenance](#)
[Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. INTRODUCTION

The Reboot RBM2500D PRO is a versatile 250Amp 6-in-1 multi-process welding machine designed for both beginners and professional welders. It supports Gas/Solid Wire MIG (GMAW), Gasless Flux Core MIG (FCAW), Stick (MMA), Lift TIG, Spot Welding, and Spool Gun operations. This machine features a large LED digital display for clear data readability and easy parameter adjustments, making welding more efficient.

LARGE LED DISPLAY

PROVIDES ACCURATE DATA DISPLAY, EASIER FOR BEGINNERS



Image 1.1: The Reboot RBM2500D PRO multi-process welding machine.



Image 1.2: Overview of the 6-in-1 multi-function welding machine capabilities.

This manual provides essential information for the safe and effective use of your Reboot RBM2500D PRO welder. Please read it thoroughly before operation.

2. SAFETY WARNINGS

Welding can be dangerous. Always follow safety precautions to prevent injury or damage. This section outlines general safety guidelines. Refer to local regulations and industry standards for comprehensive safety information.

- **Electric Shock:** Can kill. Ensure proper grounding. Do not touch live electrical parts. Wear dry gloves and protective clothing.
- **Fumes and Gases:** Can be hazardous to your health. Keep your head out of the fumes. Use ventilation or exhaust to remove fumes and gases from the breathing zone and general area.
- **Arc Rays:** Can burn eyes and skin. Wear a welding helmet with a proper shade of filter lens to protect your eyes and face. Wear appropriate protective clothing to protect your skin.
- **Fire and Explosion:** Welding sparks can cause fire or explosion. Keep flammable materials away from the welding area. Have a fire extinguisher readily available.

- **Hot Parts:** Can cause severe burns. Allow welding equipment to cool before touching.
- **Noise:** Excessive noise can damage hearing. Wear ear protection.
- **Moving Parts:** Can cause injury. Keep clear of moving parts such as fans and wire feed mechanisms.

3. PACKAGE CONTENTS

Carefully unpack your Reboot RBM2500D PRO welder and check for all included components. If any items are missing or damaged, contact your supplier immediately.

Your browser does not support the video tag.

Video 3.1: Unboxing the Reboot RBM2500D PRO welder and its accessories. This video demonstrates the careful unpacking process and shows all included items.

Included Items:

- Reboot RBM2500D PRO Welding Equipment
- MB15 MIG Torch (includes Teflon liner and U-shaped wire feed wheel for aluminum welding)
- Electrode Holder with Cable
- Welding Clamp with Cable
- Power Adapter Cable
- Gas Hose
- Consumables (32 pieces): 10pcs .030" electrodes, 10pcs .035" electrodes, 10pcs .040" electrodes, 2pcs ceramic nozzles
- Wire Feed Wheels: One knurled type (for flux core wire), one V type (for solid wire), one U type (for aluminum wire)
- Instruction Manual



Image 3.1: All components included with the Reboot RBM2500D PRO welder.

4. SETUP

Proper setup is crucial for safe and effective welding. Follow these steps to prepare your welder for operation.

4.1 Power Connection

- Ensure the welder is switched off before connecting to power.
- The RBM2500D PRO supports both 120V and 240V input. Use the appropriate power adapter cable for your

power supply.

- Connect the power cable securely to the welder and a suitable power outlet.

4.2 Ground Clamp Connection

- Connect the ground clamp cable to the designated terminal on the welder.
- Attach the ground clamp securely to the workpiece or a clean, bare metal part of the welding table. Ensure good electrical contact.

4.3 MIG Torch and Wire Installation

The MIG torch connects to the front panel. Select the appropriate wire type and size for your welding task.



Image 4.1: Common welding wire types and sizes supported by the RBM2500D PRO.

1. Open the wire feed compartment.
2. Install the correct wire feed wheel for your chosen wire type (knurled for flux core, V-type for solid wire, U-type for aluminum).
3. Load the welding wire spool onto the spindle, ensuring it unwinds smoothly.
4. Feed the wire through the guide tube and into the MIG torch liner.
5. Close the wire feed compartment and adjust the tension roller.

4.4 Gas Connection (for Gas MIG)

For Gas MIG (GMAW) welding, connect the gas hose to the welder's gas inlet and to your shielding gas cylinder regulator.



Image 4.2: Example setup for Gas MIG welding with a shielding gas cylinder.

4.5 Aluminum Welding Setup

The RBM2500D PRO offers two methods for welding aluminum:

- **Teflon Liner:** Install the included Teflon liner in the MIG torch to reduce friction and prevent aluminum wire from kinking.
- **Spool Gun (Not Included):** For optimal aluminum welding, a separate spool gun can be connected to the dedicated port. Select 'MAN MIG' mode when using a spool gun.



Image 4.3: Visual representation of using a Teflon liner or a spool gun for aluminum welding.

5. OPERATING MODES

The Reboot RBM2500D PRO offers six distinct welding processes. The large LED display and intuitive controls facilitate mode selection and parameter adjustment.



Image 5.1: The large LED digital display showing welding parameters.



Image 5.2: Detailed introduction to the control panel buttons and knobs.

5.1 MIG Welding (GMAW/FCAW)

MIG welding can be performed with or without shielding gas.

- **Synergic MIG:** Simplifies setup by automatically adjusting parameters based on selected wire size and material.
- **Manual MIG:** Allows for independent adjustment of voltage and wire feed speed for experienced users.
- **Adjustable Inductance:** Reduces spatter and improves melt pool stability.
- **Pre/Post Gas:** Adjust pre-blow and post-blow times for optimal gas coverage.
- **Wire Feed Speed:** Can be adjusted to suit the application. Press and hold the "wire selection" button for fast wire feed.

5.2 Stick Welding (MMA)

For welding with coated electrodes. Connect the electrode holder and ground clamp as per standard MMA procedures.

5.3 Lift TIG Welding

For precise welding with a TIG torch (not included). This mode offers a controlled arc start by touching the tungsten to the workpiece and lifting.

5.4 Spot Welding

Allows for controlled spot welds, useful for sheet metal applications.

5.5 Spool Gun Operation

Connect a compatible spool gun (not included) for specialized applications, particularly effective for aluminum welding.

5.6 2T/4T Function

- **2T (Two-Touch):** Welding starts when the gun switch is pressed and stops when released. Suitable for short welds.
- **4T (Four-Touch):** Welding starts with a brief press and release, and continues until the switch is pressed and released again. Facilitates long welding operations and reduces welder fatigue.



Image 5.3: Visual guide to connecting accessories for different welding modes.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your welding machine.

6.1 Daily Maintenance

- Inspect all cables and connections for damage or loose fittings.
- Clean the MIG torch nozzle and contact tip. Replace if worn.
- Check the ground clamp for secure connection and cleanliness.

6.2 Weekly/Monthly Maintenance

- Clean the exterior of the machine with a dry cloth.
- Use compressed air to blow out dust and debris from the cooling vents. Ensure power is disconnected before doing so.

- Inspect the wire feed mechanism for wear and proper tension.

6.3 Storage

Store the welder in a clean, dry environment, away from excessive dust, moisture, and corrosive materials. Protect it from physical damage.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter. For more complex problems, consult a qualified technician or contact Reboot customer support.

Problem	Possible Cause	Solution
No power to the machine	Power cable disconnected, circuit breaker tripped, faulty power outlet.	Check power cable connection, reset circuit breaker, test power outlet.
No arc/Poor arc start	Poor ground connection, incorrect welding parameters, worn contact tip, wrong wire size.	Ensure clean and secure ground connection. Adjust voltage/wire feed speed. Replace contact tip. Verify correct wire for material.
Wire feeding issues (kinking, slipping)	Incorrect drive roller tension, wrong drive roller type, dirty liner, wire spool tangled.	Adjust drive roller tension. Use correct drive roller for wire type. Clean or replace liner. Untangle wire spool.
Excessive spatter	Incorrect voltage/wire feed speed, insufficient gas flow (MIG), improper stickout.	Adjust welding parameters. Check gas cylinder and flow rate. Maintain proper stickout. Adjust inductance.
Overheating protection activated	Exceeding duty cycle, blocked cooling vents, high ambient temperature.	Allow machine to cool down. Ensure cooling vents are clear. Operate within duty cycle limits.

Always refer to the detailed troubleshooting guide in the full product manual for specific error codes and advanced solutions.

8. SPECIFICATIONS

Technical specifications for the Reboot RBM2500D PRO welding machine.

Feature	Specification
Manufacturer	Reboot
Model Number	RBM2500D PRO
Style	250A RBM2500
Power Source	AC
Voltage	120V/240V
Item Weight	10.4 kg

Feature	Specification
Parcel Dimensions	46.2 x 33.1 x 30.2 cm
Welding Processes	Gas/Solid Wire MIG (GMAW), Gasless Flux Core MIG (FCAW), Stick (MMA), Lift TIG, Spot Welding, Spool Gun
Supported Wire Sizes	.023"/.030"/.035" solid wire, .023"/.030"/.035" flux core wire, .040" aluminum wire
Display	Large LED Digital Display

9. WARRANTY AND SUPPORT

Reboot products are manufactured to high-quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official Reboot website.

For technical assistance, troubleshooting not covered in this manual, or spare parts, please contact Reboot customer support. Have your model number (RBM2500D PRO) and purchase date ready when contacting support.