

RAZOR MULTI 230 AC/DC **SOFTWARE UPDATE**

FOR USE ON UNIMIG RAZOR MULTI 230 AC/DC ONLY

IF AT ANY PART ALONG THIS PROCESS YOU HAVE ISSUES PLEASE REACH OUT TO UNIMIG SERVICE.

The following instructions involves 2 separate update processes.

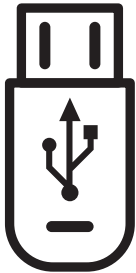
Ensure you first run the USB update, then the Micro SD Card Update.



For a video guide, you scan this QR Code.

PLEASE READ INSTRUCTIONS FULLY BEFORE ATTEMPTING UPDATE AND TAKE CARE. UNIMIG IS NOT RESPONSIBLE FOR ANY PHYISCAL DAMAGE YOU MAY CAUSE WHILE RUNNING THIS UPDATE PROCESS.

PLEASE READ INSTRUCTIONS FULLY BEFORE ATTEMPTING UPDATE AND TAKE CARE. UNIMIG IS NOT RESPONSIBLE FOR ANY PHYSICAL DAMAGE YOU MAY CAUSE WHILE RUNNING THIS UPDATE PROCESS.

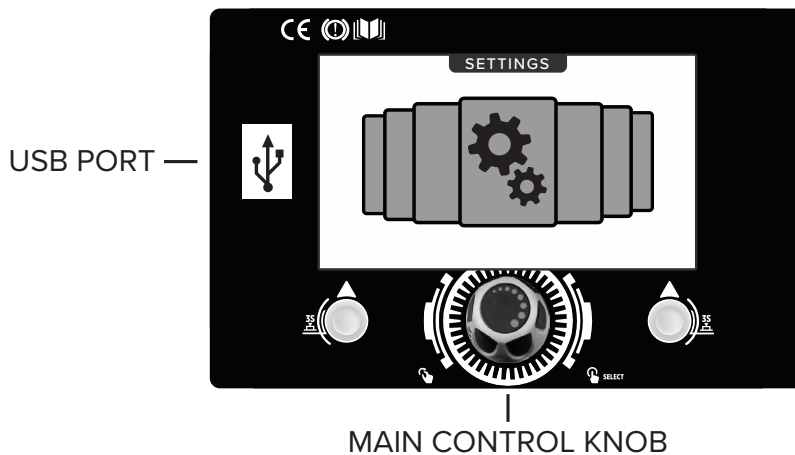


RAZOR MULTI 230 AC/DC USB UPDATE






FOR USE ON UNIMIG RAZOR MULTI 230 AC/DC ONLY

Start this process by ensuring the machine is powered on, and the provided USB drive is plugged into the front panel of the machine.

RAZOR MULTI 230 AC/DC CONTROL PANEL



SETTINGS MENU

1.  **Turn** the main control knob from the home screen until you see the settings menu, then press the control knob to enter into the settings menu.
2.  **Turn** the main control knob until you see the menu option "Program Update", then press the control knob to enter into the Update Sub Menu.
4.  **Press** the control knob to initiate the USB update.
4.  **Wait** for the machine to complete its update. This process will take around 5 minutes.
5.  **Success** the machine should turn back on like it normally does.

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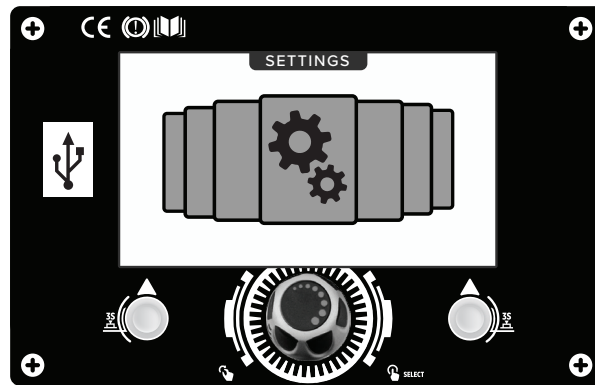
RAZOR MULTI 230 AC/DC MICRO SD CARD UPDATE

FOR USE ON UNIMIG RAZOR MULTI 230 AC/DC ONLY

Start this process by ensuring the machine is powered OFF, and after the USB drive update has successfully completed.

CONTROL PANEL
MOUNTING SCREWS —
(X4)

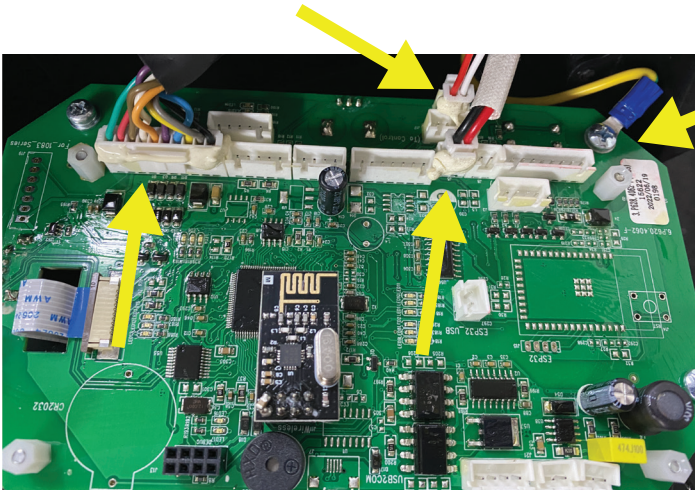
RAZOR MULTI 230 AC/DC CONTROL PANEL



MAIN CONTROL KNOB

REMOVING PANEL

1. **+** **Unscrew** the (4x) control panel screws after ensuring the machine is fully turned off.
2. **!!! Carefully** lower the top of the control panel, leaving the bottom closest to the machine.
3. **👁️ Ensure** none of the wires become loose or unplugged when lowering the panel down.



Here is a photo for reference, note this panel has 4 connectors on the panel.

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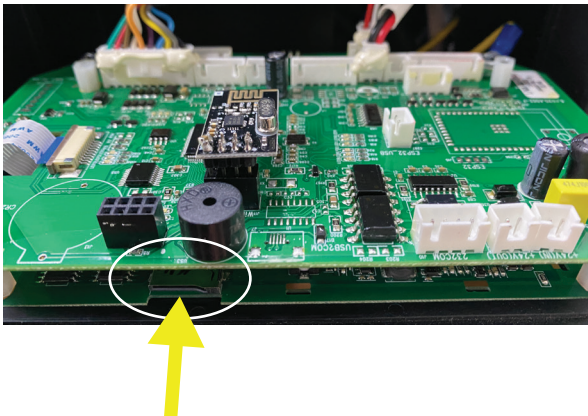


MICRO SD CARD UPDATE CONT.

SD UPDATE

1. **Insert** the Micro SD Card into the card slot near the top of the panel, under the top board. You will hear and feel a small click, and the card will spring back slightly.

BE MINDFUL YOU ARE NOT SLIDING SD CARD BEHIND THE CIRCUIT BOARD



METAL PINS SIDE DOWN

2. **Carefully** raise the top of the panel and rest it how it was before lowering it.
3. **Power** the machine on after inserting the SD card.
4. **Watch** for the screen to turn on, it should be blue with small white text. If you see this you have successfully inserted the SD card, and the machine is now updating.
5. **Wait** for the machine to complete its update. This process will take between 5-10 minutes. When this portion is completed, the screen will say "END!" near the top. If this portion happens almost instantly, the SD Card has not been formatted correctly or is corrupt. Please reach out to UNIMIG Support.
6. **Power** the machine OFF after seeing END! on the blue screen.
7. **Carefully** lower the top of the control panel again to retrieve the SD card from the control panel.
8. **Remove** the SD Card from the slot by pressing the card in gently. A spring will return the card outwards and it can now be removed.
9. **Power** the machine ON after removing the SD card.
10. **Watch** for the screen to display the normal boot up animation. The machine should now return to normal operation.
10. **Rescrew** all 4 of the control panel screws, do not overtorque. This could strip the control panel threads.
11. **Success** the machine has now been fully updated.

```
T5L2 DCUS2 V4.1 2021.08.21
SD Card Process... END !
Download .CFG Files: 001
Download Code Files: 000
Download .BIN Files: 004
Download .DZK Files: 000
Download .HZK Files: 001
Download .ICL Files: 038
Download .LIB Files: 000
Download .WAE Files: 000
Download .UIC Files: 000
Download .GTF Files: 000
Output .DAT Files: 000
Flash CRC32 Check: 000
```

RAZOR MULTI 230 AC/DC SOFTWARE UPDATE PATCH NOTES

VERSION: HKEN202304SIV

OCTOBER 2023

This update fixes bugs and errors from previous versions:

- **Spool gun:**
The launch version of the RAZOR MULTI 230 had a bug which did not allow for the wire speed to be altered unless using a spool gun with a 10k potentiometer knob. This bug has been fixed. If you're using a spool gun which does not have the correct potentiometer, turn spool gun mode off in the settings menu. Locate the sub menu named remote mode, and set to OFF.
- **Wired foot pedal connectivity:**
The launch version of the RAZOR MULTI 230 had a bug which did not allow for correct operation of wired foot pedals. This bug has been fixed.
- **Live TIG amperage readout:**
The launch version of the RAZOR MULTI 230 did not show you the amperage readout while in an active weld cycle, this has been fixed.
- **Various menu bugs and errors fixed.**

This update also includes various upgrades from the launch version:

- **Remote mode:**
The various remote modes have been organised into a single sub menu in the settings menu. Additionally these can only be activated one at a time. Previously, multiple remote modes could be active at the same time causing errors and bugs.
- **TIG remote functionality while welding:**
The launch version of the RAZOR MULTI 230 did not allow you to adjust your amperage via the TIG remote while in an active weld cycle. You can now toggle this feature on or off via the remote menu.
- **Minimum remote amperage setting:**
Found in the TIG cycle sub menu (while in active TIG menu). The minimum remote amp setting is to set a starting amp for use in a foot pedal or for torch amp remote switch. This allows for amperage bracketing, making both the foot pedal and the hand torch more accurate and easy to use. Additionally, the minimum amp helps the foot pedal with arc starts, as it will start from your minimum set amperage instead of starting from zero.
- **230 amp upgrade for TIG while in 15A mode:**
The amperage output has been increased to 230 amps from 200 amps for TIG while using the 15A plug.
- **TIG duty cycle upgrade while in 15A mode:**
The duty cycle of the TIG functionality has been increased to 35% from 20% while using the 15A plug. This was done by adjusting the 15A mode I-eff number to boost efficiency.
- **Settings menu organization:**
The settings menu (found on the main menu) has been reduced to a single menu, instead of two (which was cycled by pressing the grey buttons on the front panel). This was done to simplify operation. The menu has also been reorganised for common usage.
- **TIG gas purge/test:**
You now have the ability to purge the gas in the machine for TIG mode. While in the main menu, hover over any of the TIG icons (Smart TIG, HF TIG, and Lift TIG) and press and hold the left grey button on the front panel. Release the button to end the purge.