

Millermatic/Multimatic 255 Software Update Release Notes

Version 1.8 – March 11, 2025

New Software Versions

Weld Controller (Millermatic 255) – 85902

Release Notes:

- Fixes bug related to secondary +15V error annunciation
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Version 1.7 – April 18, 2024

New Software Versions

Weld Controller (Millermatic 255) – 83685

Weld Controller (Multimatic 255) – 83685

Release Notes:

- Fixes bug related to run-in and burnback
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Version 1.6 – February 27, 2024

New Software Versions

User Interface – 82896

Release Notes:

- Added “skip” indication on QR code screen
 - Improved error message guidance when a software version mismatch exists between circuit boards
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Version 1.5 – January 25, 2024

New Software Versions

User Interface – 82134

Weld Controller (Millermatic 255) – 82134

Weld Controller (Multimatic 255) – 82134

Graphics – 0x5DF6B757

Weld Programs – 0x2E142B59

Release Notes:

- Enhanced Performance:
 - Weld starts when welding aluminum
 - MIG crater
- New Standard Features Added:
 - QR code screen on power-up screen that links to product page for helpful tips and tricks. (Note: this screen can be skipped by pressing one of the bottom buttons on the UI)
 - Duty cycle status indication on home screen
 - Input voltage phase indication on home screen

- Arc Control adjustment accessible from home screen
 - Electronic parameter chart on home screen to allow for quick parameter setting
 - Metal Core weld program support
 - Adjustable MIG hot start setting
 - System menu setting for locks and limits
 - System menu setting to enable/disable Auto-Set feature
 - System menu setting to enable/disable Stick/TIG processes for Multimatic 255
 - System menu setting to control connection diagrams enable/disable/timeout
 - System menu setting to enable/disable remove WFS potentiometer for spoolguns and push-pull guns
 - Extended EZ-Select (trigger-tap) program select to support all MIG guns, spoolguns, and push-pull guns
 - Remote potentiometer WFS adjustment functionality for spoolguns and push-pull guns in Auto-Set
 - Support for user defined programs for spoolguns and push-pull guns
 - Dedicated support for Pistol-Pro push-pull gun
 - MK Python push-pull gun support
 - Trigger hold (2T)
 - Foldback indication, consisting of feedback values turning red when machine foldback activates
 - Reduced minimum WFS to 25 IPM to allow for slower run-in values
 - Changed TIG Trigger Error message for Millermatic 255 to “10-pin Trigger Fault”
 - Added more information to the USB service export
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Version 1.4 – August 23, 2023

New Software Versions

User Interface – 74577

Release Notes

- Configuration support necessary for PCBA hardware change on UI PCBA (276813) rev H or newer.
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Version 1.3 – December 10, 2020

New Software Versions

User Interface – 58963

Weld Controller (Millermatic 255) – 58963

Weld Controller (Multimatic 255) – 58963

Weld Programs – 0x435E64EA

Release Notes

- Defaulting FasTack to ON
- Added support for stainless 98% Ar, 2% CO₂
- Added support for silicon bronze
- Updated stainless tri-mix pulse programs to allow slower wirespeeds and improve low-end performance
- Cut connection diagram time in half

- Modified FCAW-G parameters to address customer feedback around minimum weld current
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Version 1.2 – June 7, 2019

New Software Versions

User Interface – 55500

Weld Controller (Milleromatic 255) – 55500

Weld Controller (Multimatic 255) – 55500

Weld Programs – 0xB5089EF9

Release Notes

- Fixed bug on Milleromatic 255 with CV-MIG C10 0.030" 16 gauge Auto-Set parameter that would cause an assert error if voltage adjustment was attempted
 - Fixed problem with interpolation occasionally resulting in invalid values in certain pulse conditions, resulting in asserts
 - Fixed Auto-Set limit on Multimatic 255 Pulse AL4XXX Aluma-Pro Lite 0.035" 18 Gauge, which was previously allowing adjustment slightly outside of pulse program limits
 - Added display of graphics and weld data binary CRCs to Software Version screen
 - Fixed EEPROM upgrade issue where EEPROM reset was not always completing during firmware upgrade, causing latched assert looping condition
 - Implemented separate breakout voltage on Multimatic 255 when using remote TIG to better support water cooled torches
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Version 1.1 – February 1, 2019

New Software Versions

User Interface – 53105

Weld Controller (Milleromatic 255) – 53105

Weld Controller (Multimatic 255) – 53035

Weld Programs – 0xC0E596B1

Release Notes

- Added support for Aluma-Pro Lite gun
- Jog wire speed is now separate from the weld wire speed in all gun types
- Fixed bug where meter display was not updated after tapping the trigger to return to the home screen from another screen
- Updated messaging around checking for a software upgrade package on an inserted USB stick
- Updated C10, 0.035" pulse program
- Adjustments to Stainless Steel pulse program start and end times
- Encoder adjustment can be used to skip the process setup screen
- Updated VRD contactor symbol
- Fixed bug where system settings weren't getting loaded properly on powerup in certain situations
- Updated End User License Agreement and third-party software license notification information
- Fixed bug where system initialization process was failing during boot
- Fixed bug leading to bird nests when a user fed out >37' of wire on a push-pull gun
- Fixed bug where burnback was being skipped in certain temperature error cases

- A number of other weld program tweaks
- Removed PPG 5XXX aluminum program for 0.035 wire on 5/16" and 3/8" material