Millermatic/Multimatic 255 Software Update Release Notes

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

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

- o System menu setting to control connection diagrams enable/disable/timeout
- o System menu setting to enable/disable remove WFS potentiometer for spoolguns and push-pull guns
- o Extended EZ-Select (trigger-tap) program select to support all MIG guns, spoolguns, and push-pull guns
- o Remote potentiometer WFS adjustment functionality for spoolguns and push-pull guns in Auto-Set
- o Support for user defined programs for spoolguns and push-pull guns
- o Dedicated support for Pistol-Pro push-pull gun
- o MK Python push-pull gun support
- o Trigger hold (2T)
- o 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

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.

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% CO_2
- Added support for silicon bronze
- Updated stainless tri-mix pulse programs to allow slower wirespeeds and improve low-end perfomance
- Cut connection diagram time in half
- Modified FCAW-G parameters to address customer feedback around minimum weld current

Version 1.2 – June 7, 2019
New Software Versions
User Interface – 55500
Weld Controller (Millermatic 255) – 55500

Weld Controller (Multimatic 255) – 55500
Weld Programs – 0xB5089EF9

Release Notes
- Fixed bug on Millermatic 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 (Millermatic 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 certainsituations
- 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