Millermatic 355 Software Update Instructions
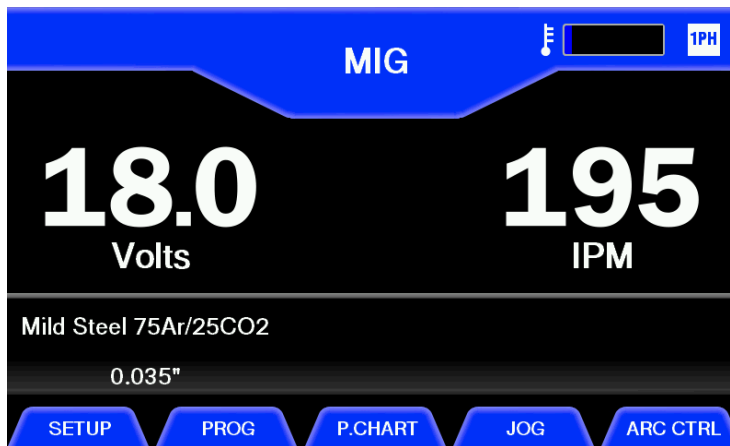
Prepping your USB Drive

If you received a USB drive through Miller Service, skip to "Updating the Machine".

1. Download the latest software from the Miller website:
   https://www.millerwelds.com/support/software

2. Insert a blank USB drive into your computer.

3. **Verify that the USB drive is formatted as FAT or FAT32** (refer to Appendix A at the end of this document for additional information). **We recommend using a USB drive no larger than 32GB to avoid formatting issues.** If the USB drive is not formatted correctly, refer to Appendix B for instructions to remedy this.

4. Copy the downloaded MM355.FW to the root directory of the USB drive (it cannot be inside a folder).

Updating the machine

5. Power up the machine and make sure manual mode is active. If Auto-Set is active, press the Auto-Set button to go to manual.

6. Navigate to the Version Info Screen. Starting from the home screen, this can be found by navigating to SETUP->SYSTEM->SOFTWARE.

   Note: If the menu is not accessible due to an error condition being present on power-up, the software version screen can be accessed by pressing and holding the 4th bottom button during power-up.
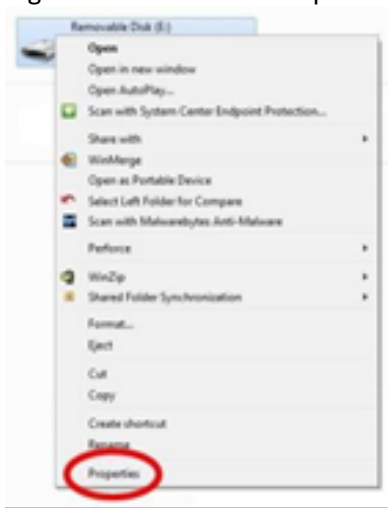
Version Info 1PH

User Interface	69220	0x62	
User Interface Bootloader	53104	0x27	
Weld Controller	69220	0x62	
Weld Controller Bootloader	66942	0x24	
Inverter Controller	66942	0x00	
Primary Controller	66942	0x00	
Graphics	0x085BAA41		
Weld Programs	0xFE3B4445		

Insert USB to update firmware

BACK   LICENSE

7. Insert the USB drive into the machine. The text at the bottom of the Version Info Screen should change from "Insert USB drive to update firmware" to "USB Stick Detected, verifying upgrade package".

8. After approximately 30 seconds, if a valid software update has been found, the text should change to "Press 'Upgrade' to update firmware" and an UPGRADE button will appear at the bottom of the screen. Press this button to start the upgrade. You will be asked to confirm the upgrade on the following screen.

9. Once the upgrade starts you will see a screen with several progress bars that will take approximately 2 minutes to complete. Following this, a message will be displayed saying that the machine will automatically restart to update the user interface software and that the screen will go dark for approximately 2 minutes before the system reboots.

10. When the home screen is displayed, the upgrade has completed. The entire upgrade process should take less than 5 minutes. If there is a problem with the upgrade, leave the USB drive in the machine and cycle power. The machine will attempt to restart the upgrade process automatically. If problems persist, contact Miller Service by calling 1-800-4-A-Miller.

Appendix A: Verifying USB drive format

1. Open "My Computer" and locate your USB drive in the list of devices

2. Select your USB drive by single clicking on it
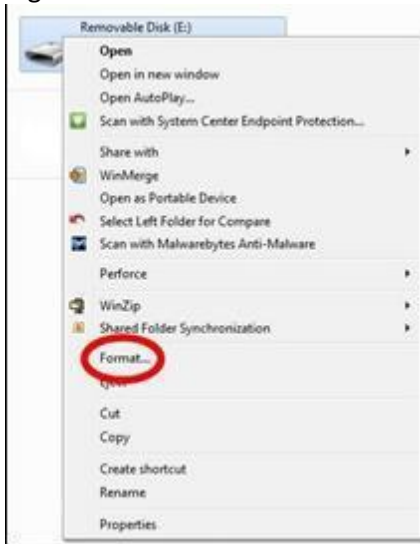
3. Right click and select "Properties"

4. In the properties window pop up the "File System" type will be listed. This should read "FAT" or "FAT32"

Appendix B: Formatting a USB drive

1. Formatting will delete any data on the USB drive. Therefore, any data on the USB drive that you wish to keep should be copied to the PC now

2. Next, open "My Computer" and locate your USB drive in the list of devices

3. Select your USB drive by single clicking on it

4. Right click and select "Format"

5. A format configuration menu will pop up. In the "File System" drop down select either "FAT" or "FAT32". Make sure the "Quick Format" box is checked, and click the "Start" button to begin the process. *Note: FAT and FAT32 files system formats are generally not supported for drives larger than 32GB. For this reason we do not recommend using them for updating software.*

6. A warning will pop up indicating that all data will be erased during the format. This is why we saved all necessary data to the PC in an earlier step. Click "OK" and the format process will begin

Format Removable Disk (E:)

⚠ WARNING: Formatting will erase ALL data on this disk. To format the disk, click OK. To quit, click CANCEL.

OK   Cancel

7. A window will pop up and inform you when the format is complete. Click "OK" on the pop up, then click "Close" on the format configuration menu. The USB drive is now properly formatted and ready to receive the system update

Formatting Removable Disk (E:)

ⓘ Format Complete.

OK