

Installation Instructions for CobraTig Firmware Upgrade

The **SM** firmware can only be used on those units with Surface Mount (SM) Controller Board, CobraTig Model 254-152. (Units built from 2010 to present).

The **XM** firmware can only be used on those units with Extended Memory (XM), CobraTig Model 254-151. (Units built from 2003 to 2010).

The **Non-XM** firmware can only be used on those units without Extended Memory (non-XM), CobraTig Model 254-150. (Units built from prior to 2003).

Check your main screen to determine which firmware is currently running on your unit.

To properly perform this firmware upgrade:

- A Null Modem Interface Cable must be connected between the CobraTig and the PC/Laptop serial port.
- If a USB connection is to be used, you must use MK Edit Version 2.2 or higher (referred to as MK Edit x.x in the remainder of the document.)
- Previous versions of the MKEdit application should be deleted and the included version of MKEdit-Vxx.exe must be used.
- These versions also include the latest MS Windows MKEdit PC/Laptop application.
- Use a USB to Serial Port Adapter Cable (a software driver is usually included with the cable adapter), available at many computer supply stores.
- A Null Modem Cable and Firmware upgrade instructions can be purchased from MK Products: P/N 005-0323.

INSTRUCTIONS:

1. For easiest navigation, unzip file and save the " CTxxxxxx.150 " and "MKEdit-Vxx.exe" files into the same directory.
2. Connect Null Modem Cable between PC/Laptop and the CobraTig. Prepare the CobraTig unit to receive the firmware upgrade; press and hold the 'F10' (lower right-hand button) and power up the unit. The CobraTig screen should show the following message, "READY TO RECEIVE". If not, turn unit off and retry.
3. Double-Click and run the "MKEdit-Vxx.exe" application to start the SmartArc Weld Program Editor. To send the firmware upgrade into the CobraTig, select 'Send', choose which COM port to use and choose 'Send Firmware Upgrade to CobraTig'.
4. Locate and choose the recently saved " CTxxxxxx.150 " file and click on 'OPEN'.
5. Across the bottom of the CobraTig screen, the number of receiving blocks should be increasing and the progress bar on the PC/Laptop should be growing from left to right.
6. Once complete, the PC/Laptop will indicate with a message indicating, "Firmware Successfully Loaded", and the CobraTig screen will indicate to "RESTART WELDER". This means to turn off and turn on unit. A text line on the MAIN MENU of the CobraTig will show this new firmware version loaded.

WARNING:

Disconnect Null Modem cable prior to welding. Failure to disconnect cable can and will result in damage to the electronics of the PC/Laptop.

For assistance, contact MK Technical Support: +1-949-863-1234.