

Militia Code Firmware Upgrade

MacDev Militia code firmware is used to run Cyborg RX, Clone and Clone VX markers. The latest version Militia code available is 2.0 (the same as shipped with Clone VX markers). This code may be used on any of the other Militia coded hardware.

Any user may update their own firmware by downloading the software and following these instructions free of charge. If you cannot perform the upgrade yourself, any MacDev tech can do it for you.

To perform the upgrade, you will need:

1. A Clone, Clone VX or Cyborg RX marker
2. A windows based PC (XP or Win7)
3. A mini usb cable
4. A copy of the software (downloadable from the left of screen)

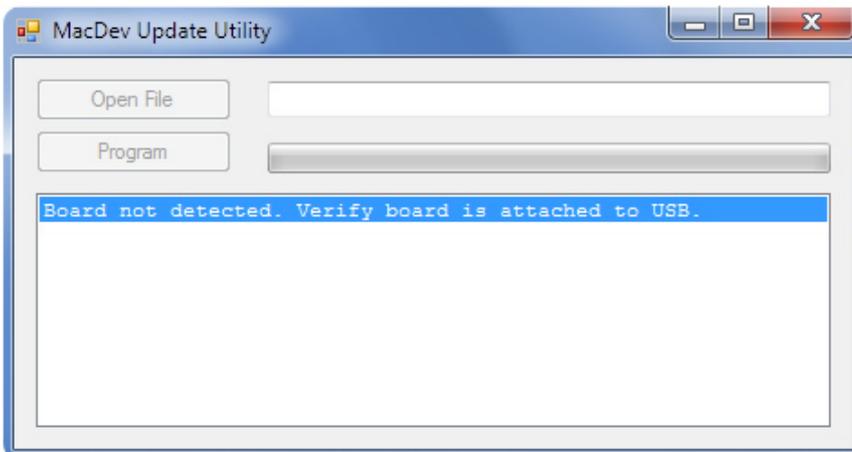
First, you should identify your OLED screen type. To do this, remove your wrap around grip completely (you will need access to both sides of your board).

Below is a photo of the two different board types shipped with Militia hardware.



Militia Code install instructions for Type A and type B:

Download and extract the Militia Code software pack. The software pack contains a utility (EXE) file and some program (HEX) files. Open the utility file. You will see this screen:



The program tells you that a board is not attached. Plug your board into your PC using the mini USB cable. The utility should update to show you that a board is attached, and the open file button will become active:

Software Updates

Download the Militia code firmware update here.

[Download Militiasoft 2.0](#)
(includes V1.0 and V2.0)

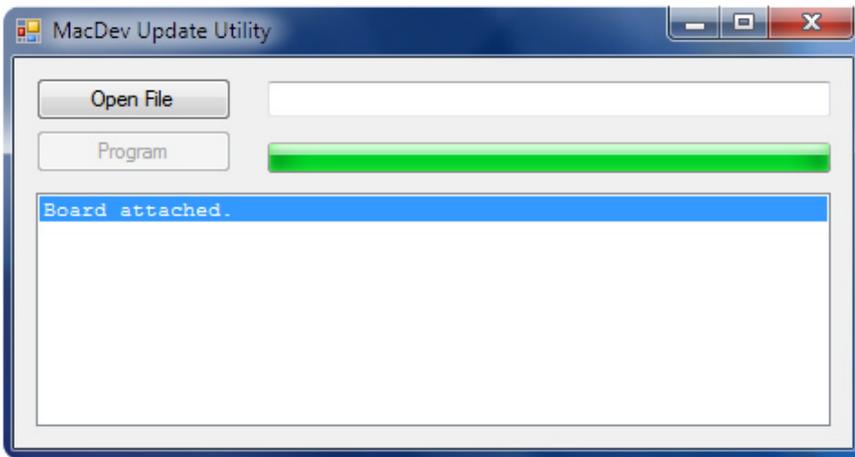
If you still require assistance, please submit a support request from the right hand side of this page.

Submit a support request

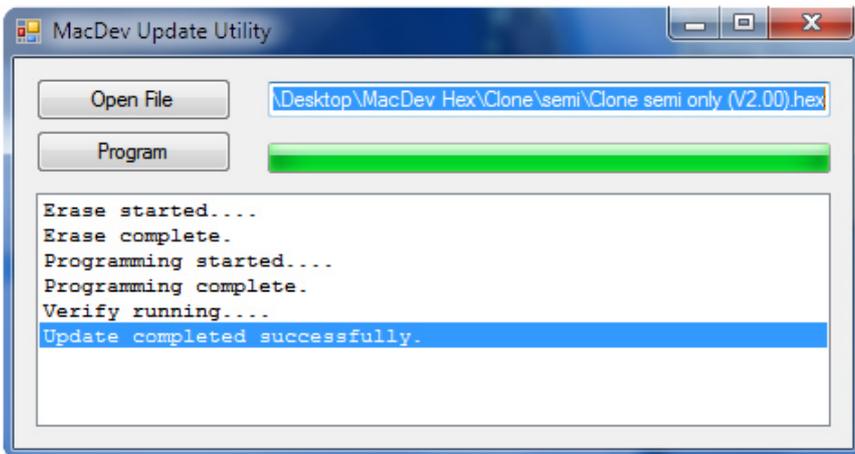
MacDev technicians around the world have access to a central support system. Submit a help request and have your query answered ASAP by a qualified MacDev tech.

[Submit a support request online](#)

If you prefer, you can email our centralised support system (support@macdev.net) and a ticket will be created for you.



Click the open file button and select the appropriate HEX file. Please note that you must follow local laws. MacDev cannot be held responsible if you load a HEX file that uses modes illegal in your country. After selecting the HEX file, the program button will become active. Press the button and the programming of your firmware will begin. This will take only about 10 seconds. The final screen should show success:



If you have a Type B screen, you are ready to use your new 2.0 code. If you have a Type A screen, you must complete a final step by giving your software instructions to work with a Type A screen.

FOR TYPE A SCREENS ONLY:

To do this, hold your trigger in and press the power button (same as entering program mode). Your screen should be blank when you do this step. Then press and hold the tourney lock button (back of board) and if done correctly, your screen should light up. Once this is completed, turn your board off and then on again (reboot) and you will see the 2.0 bootscreen indicating success.

This last step can be used anytime to change the 2.0 software between screen types.

If you have problems getting this to work, you can always reprogram your board with 1.0 software (so you can use it) and then contact a tech for help.



TOURNEY LOCK

NOTE: The militia Code 2.0 is set to default setting to suit the Clone marker. If you program your Cyborg RX, you should adjust the solenoid on time down to between 8 and 10ms.