



Updating ColorMotion or MonoMotion Using The USB HID Bootloader

Controllers with version 2 or above of ColorMotion and version 1 or above of MonoMotion can update the device firmware(software the microcontroller runs) over the USB connection using the software supplied by Microchip. It is quite easy to do and the software is available for all platforms(Windows, Mac OSX, Linux(most distros) No drivers or installs are required.

Required Hardware and Software:

- ▶ **Compatible Controller and Power Adapter**
- ▶ **USB Type A to Type B Cable or Mini USB(see device datasheet)**
- ▶ **Computer with Windows, Mac OSX, or Linux**
- ▶ **The firmware update file(.HEX) downloaded from the device webpage**
- ▶ **Microchip HID Bootloader Software for your OS**
download from www.ChromotionSystems.com/bootloaders.html

Instructions:

- ▶ **Power Off Controller**
- ▶ **Plug the controller into the USB Port**
- ▶ **Start the Software(shows as Fig. 1)**
If it won't start, read the included Readme
- ▶ **Hold down the bootloader button**
(see device datasheet for specific info)
- ▶ **Power up the controller by plugging in the power adapter or flipping the switch.**
- ▶ **Once the device is powered, it will take a second for the software to connect, Fig. 2**
- ▶ **Release the bootloader button**
- ▶ **Use the open file dialog button  and select the firmware update file(.HEX) **
- ▶ **Then Click the Program/Verify button **
- ▶ **It will take a few seconds to write the firmware when it is finished, restart the controller by either power cycling the device or pressing the button **

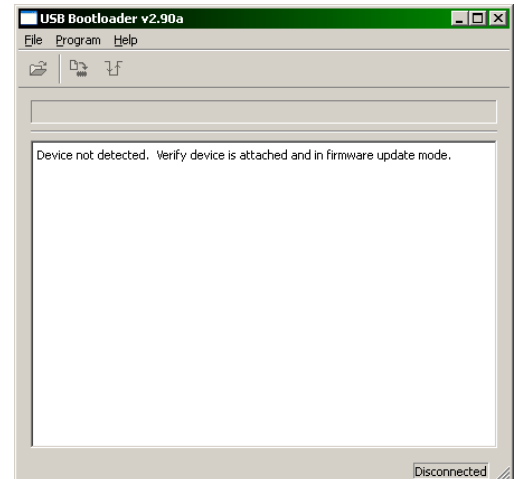


Fig. 1

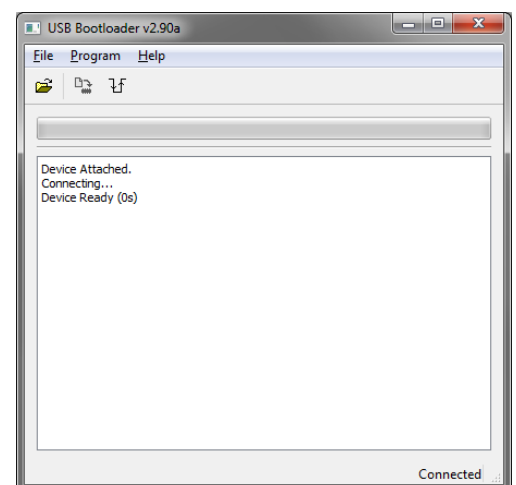


Fig. 2

If it won't connect or does not function correctly, retry the procedure.

If more help is required please contact Support@ChromotionSystems.com