

VideoForge PRO

HDMI 2.0 Test Pattern Generator
HDCP 2.2 Tester



1.12 FirmwareUpdateGuide

Important Safety Information

- Follow all instructions
- Use only a dry cloth to clean
- Use caution not to block side vents on unit
- Indoor use only: To reduce the risk of electric shock, do not use near water or expose to rain or moisture. Keep away from excess moisture
- Do not use near heat sources such as room heaters, hot A/V equipment
- Read all warnings
- Use only accessories provided by SpectraCal
- Unplug the device during lightning storms or when unused for long periods of time
- Keep away from open flames
- Protect all connected cords including power cords from being pinched, compressed, and stepped on
- Do not open the case. All servicing should be done only by qualified and approved service personnel and will void the warranty.
- Electrical Input Rating: Power over 5Vdc 700mA. Caution: Use only the supplied AC/DC Adapter
- Operating temperature range: e.g. 0 to 40C.
- For charging use the provided 5Vdc 3A supply only
- To disconnect power sources, remove the AC/DC adapters from the wall outlets.

Overview

This guide will demonstrate updating firmware on the SpectraCal VideoForge PRO. Please follow these instructions exactly.

To Begin:

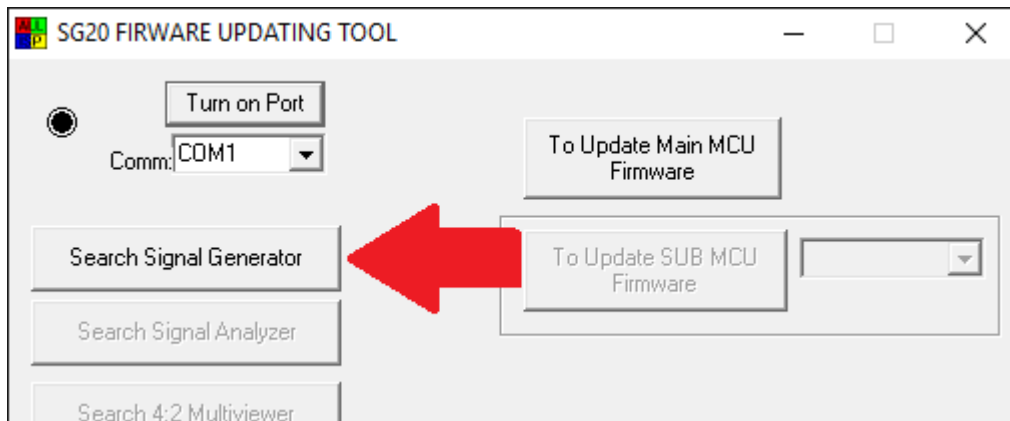
Connect your VideoForge PRO to your computer using the micro USB cord supplied with the unit. We recommend having a fully charged battery or plugging it in.

Be sure you have all of the required files:

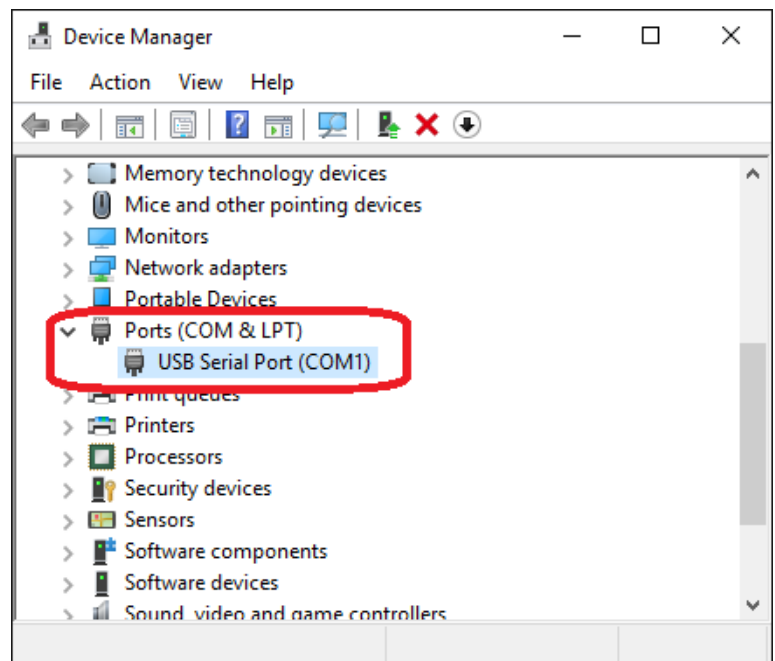
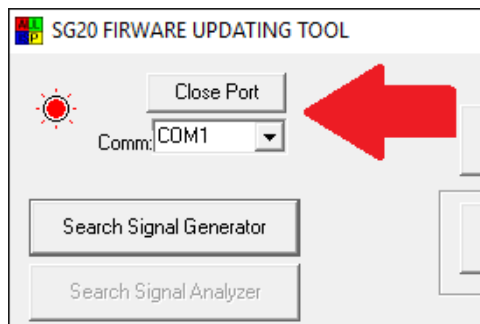
- Management Software: VideoForge Firmware Loader
- FlyMcu
- Firmware Files For Generator:
 - PART1: FPGA Update
 - PART2: MCU Update

To Update (PART 1 of 2):

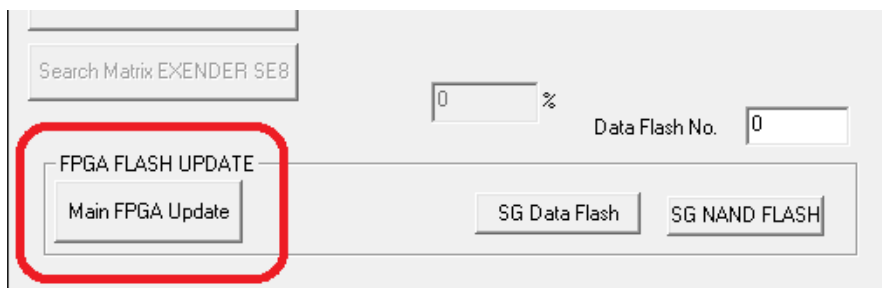
1. Open the VideoForge Firmware Loader Software
2. Press the “Search Signal Generator” Button



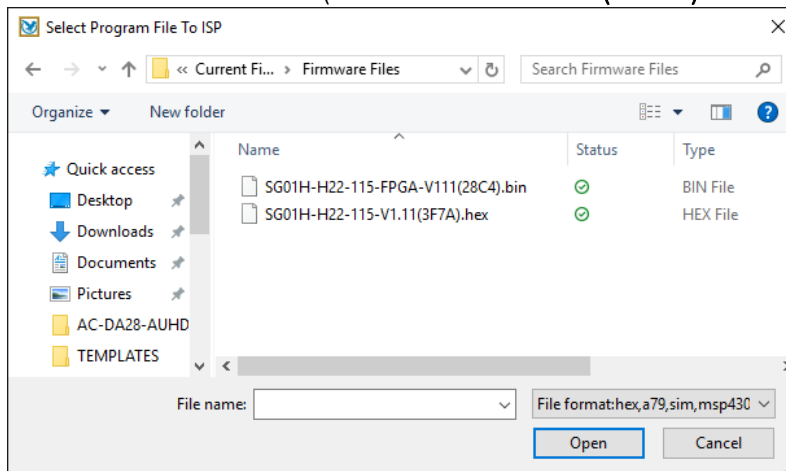
- a. If successful connection is made the light will be RED as shown, and the COM port will be the same as in DEVICE MANAGER



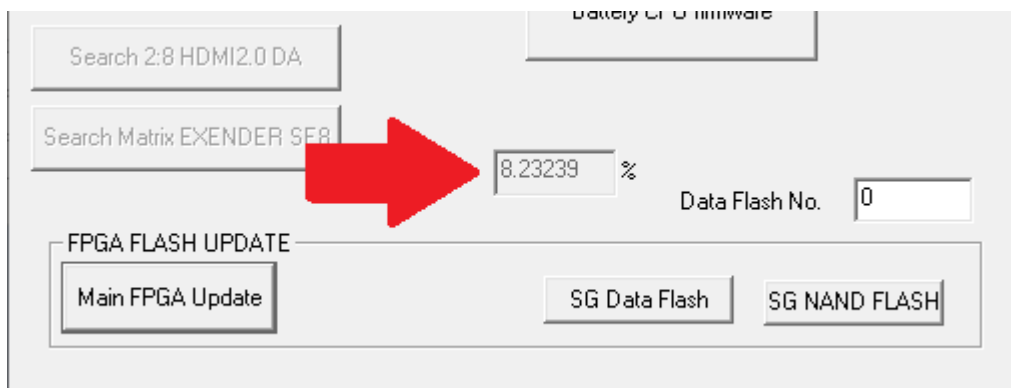
3. Click “Main FPGA Update” As shown (On the bottom of the program)



4. Choose the FPGA Firmware (In the folder marked **(PART1) FPGA Update**)



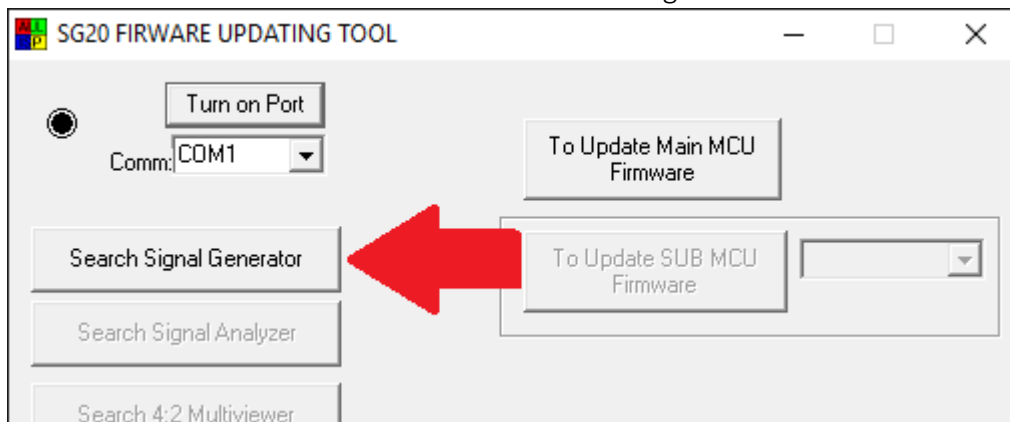
5. This box here shows progress



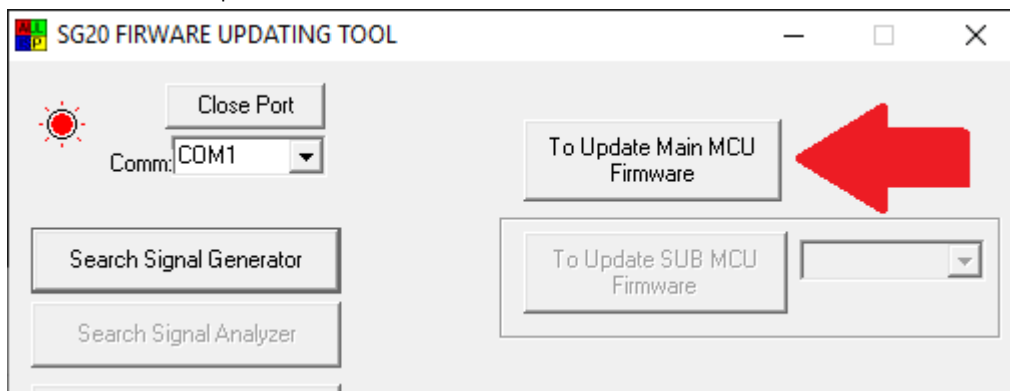
6. Once it reaches 100% wait 10 more seconds and reboot the device by pressing and holding the power button for 3-5 seconds, then powering it back up.
7. **Close the Firmware update software before continuing to PART 2 (You will reopen for PART 2)**

To Update (PART 2 of 2:

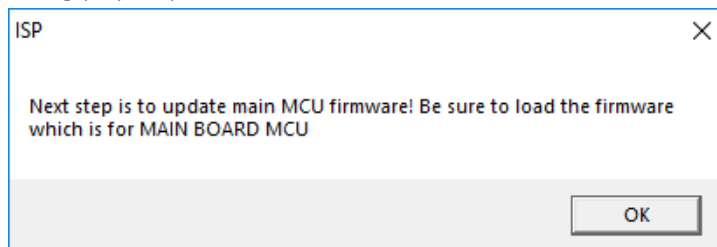
1. Open the VideoForge Firmware Loader Software
2. Press the "Search Signal Generator" Button
 - a. If successful connection is made the light will be **RED** as shown



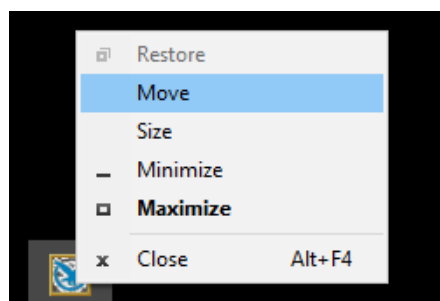
3. Click "To Update Main MCU Firmware" As shown



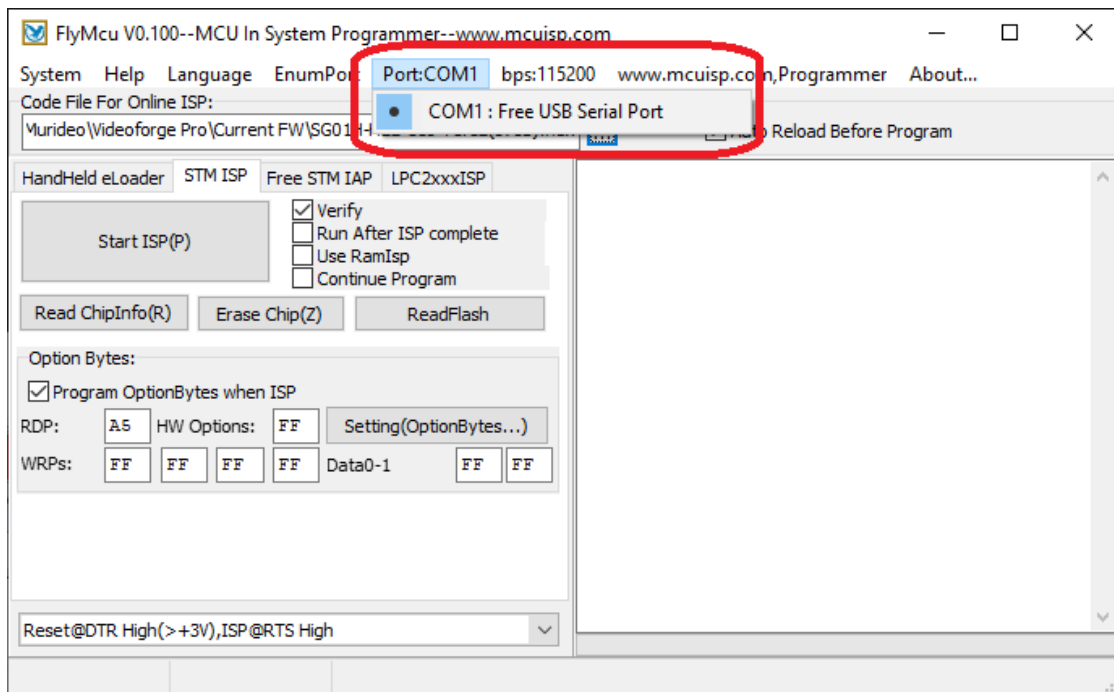
4. A warning pops up as shown, **Click OK**



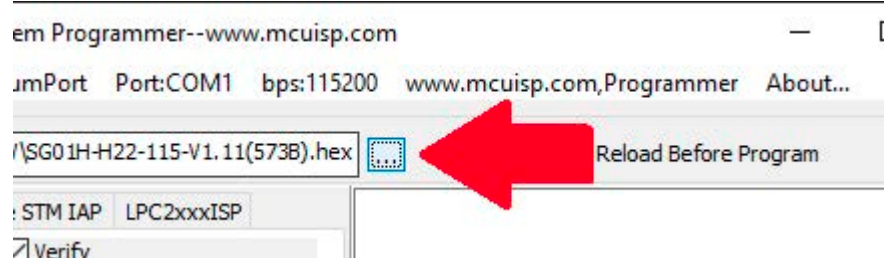
If FlyMCU doesn't open up automatically after clicking OK on the warning, just open up the program manually. If it does open but appears off screen simply hold down the shift key on your keyboard and right click on the icon on the taskbar and choose "Move". Press one of the directional arrow keys on your keyboard then move your mouse, the program will now move with it.



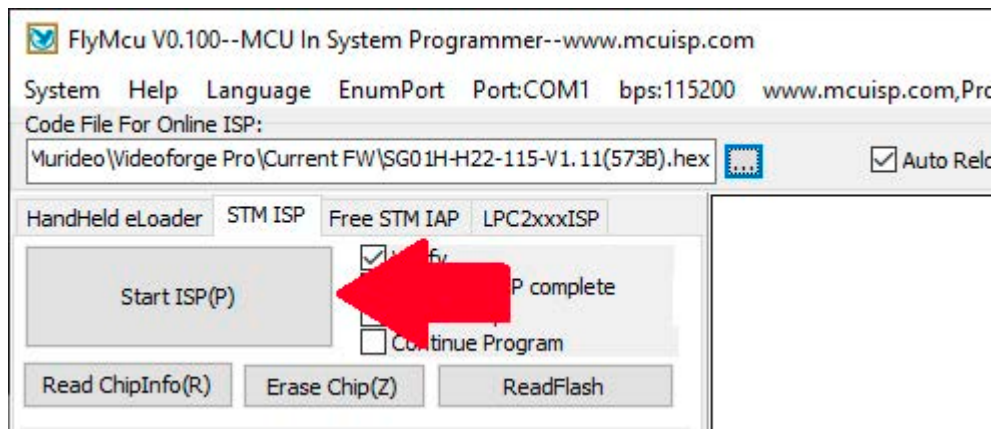
5. The ISP Console pops up as shown. **Verify correct COM Port is selected.**



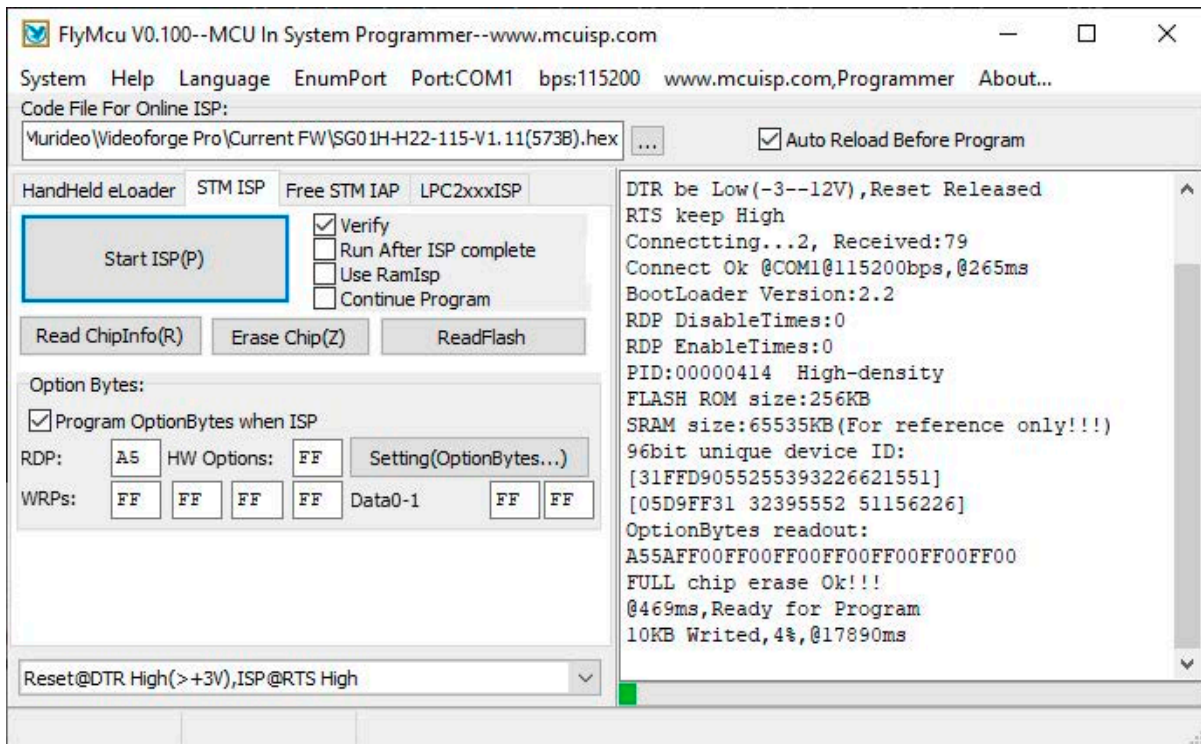
6. Click the “...” to browse for the Firmware File in **PART2 MCU Update** (Version 1.12)



7. Once located click “Start ISP”



8. You should see activity in the field on the right



9. A message "Anything OK" appears once complete

10. You may now disconnect the Generator and power cycle the unit. **PART2 of the Update is complete. Power cycle the unit.**

