Amptek Firmware Manager Instructions

Formerly, this application could automatically check for the latest firmware files on the Amptek website and download them when requested. Since the migration of the Amptek website to a new platform, this feature no longer works. However, the Firmware Manager installation package includes all current (and many past) firmware versions, and it can automatically install those. Alternately, specific versions can be installed manually.

Additionally, this application can be used to adjust the TCP/IP settings, and it can set some device-specific calibration parameters. Calibration parameters should only be adjusted with advice from Amptek!
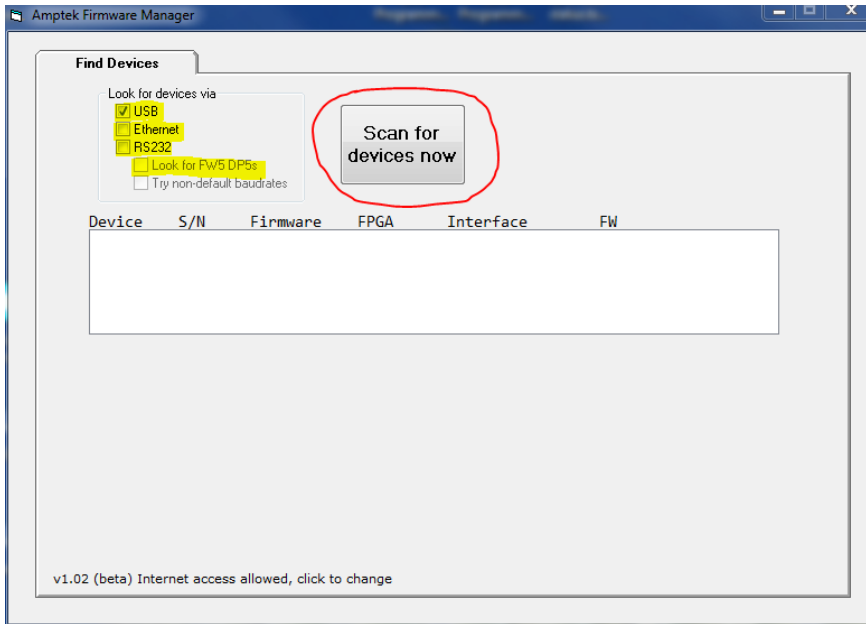
All current Amptek devices are supported: DP5 (FW5 and FW6), X123, PX5, DP5X, X-55, DP5G, Gammarad-5, TB-5, MCA8000D and Mini-X2. Note: a DP5 with FW5 can only be detected and programmed with the RS232 interface.

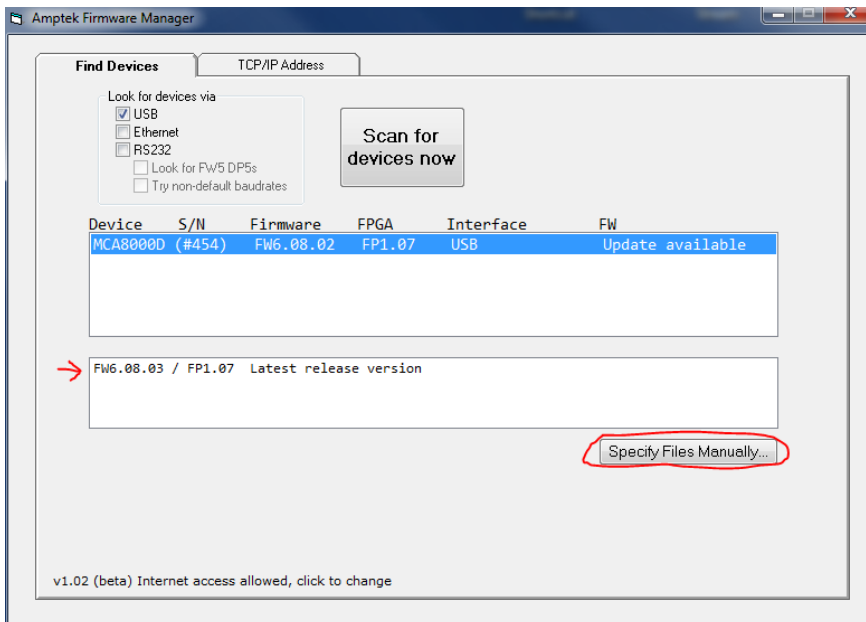The application can be download from the Amptek website:
https://www.amptek.com/software/software-downloads/dp5-digital-pulse-processor-software

Unzip the ZIP file, and run SETUP.EXE to install it. The ZIP file also includes a 'Firmware Files' folder, which includes current firmware and FPGA for all Amptek devices. If an Internet connection isn't available, these files can be used by clicking the 'Specify Files Manually…' button. Please consult with Amptek to determine the appropriate files for you device.
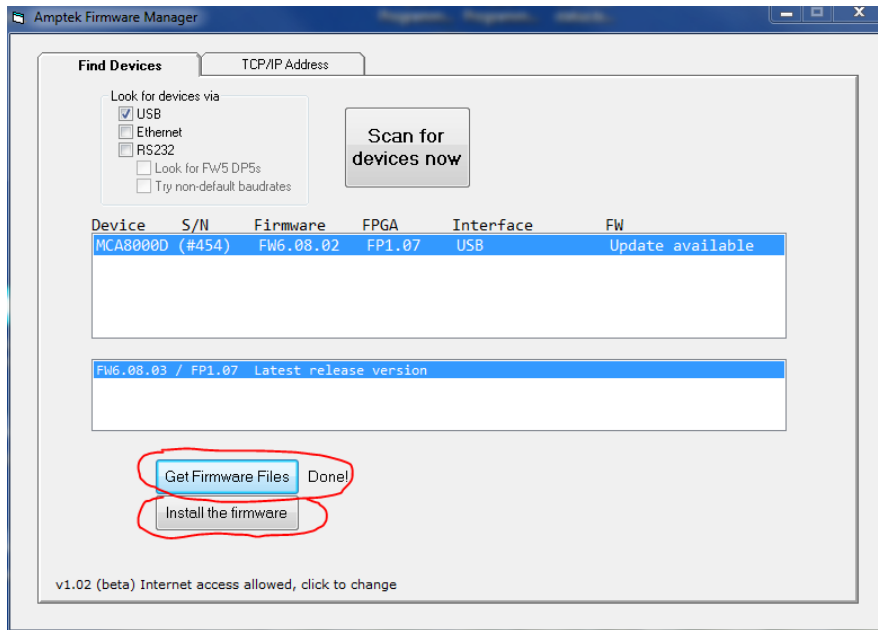
1. Run FirmwareManager.exe.
2. Confirm the device is powered on, and connected with USB, Ethernet or RS232.
3. The application will ask if it is allowed to access the Internet, to check for current firmware versions. Select 'Yes.' (This feature doesn't work as of v2.11 – it doesn't matter whether you select Yes or No, the application will automatically revert to the local firmware repository.)
4. If your device is connected with USB, click 'Scan for devices now.' (If your device is connected with Ethernet or RS232, click those check boxes before clicking 'Scan for devices now.')

5. You device should be shown. Click on it, and the available versions of firmware for it will be displayed. Click on the 'Latest release version'. If you would like to use specific firmware files not listed, click on 'Specify Files Manually...' instead.

6. Click on 'Get Firmware Files'. This will copy the firmware files from the Amptek website to your PC.

7. Click 'Install the firmware.' Follow the directions that appear. You may need to remove and reconnect power to the device during the upgrade process.

8. The upgrade should be complete, and the device should be displayed with the new version of firmware.