

F/W Update Instructions

For A3X Pro Expert series flight controllers and AVR series.

Download List

-  **Firmware_Update_Tool.exe**
-  **CP210x_VCP_Win_XP_S2K3_Vista_7.exe**
-  **NETCFSetupv2.msi**
-  **FW_PC_VER.2.0.bin**
-  **FW_A3X_Pro_Expert_VER.2.0.bin**
-  **固件升级指南.pdf**
-  **Instructions.pdf**

CP210x_VCP_Win_XP_S2K3_Vista_7.exe

- Driver installer for USBKEY

NETCFSetupv2.msi

- Microsoft .NET Framework 2.0 runtime installer

Firmware_Update_Tool.exe

- Firmware update tool

FW_A3X Pro Expert_VER.2.0.bin

- The firmware file for A3 Super Ver.2.0

FW_PC_VER.2.0.bin

- The firmware file for Program Card Ver.2.0

Instructions.pdf

- Installation and firmware upgrade guide

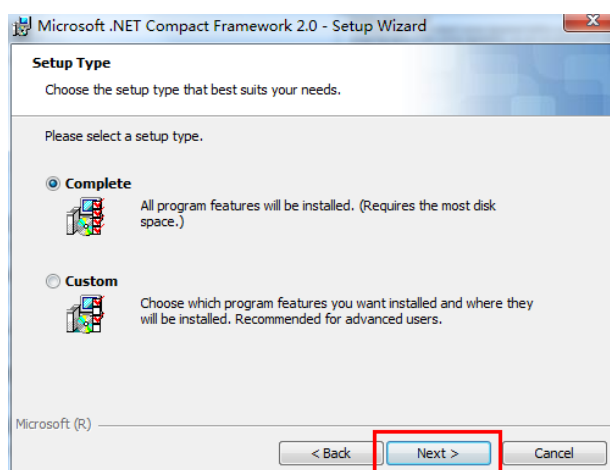
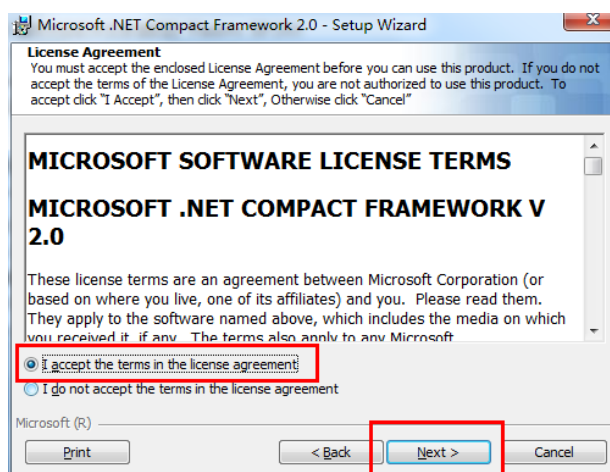
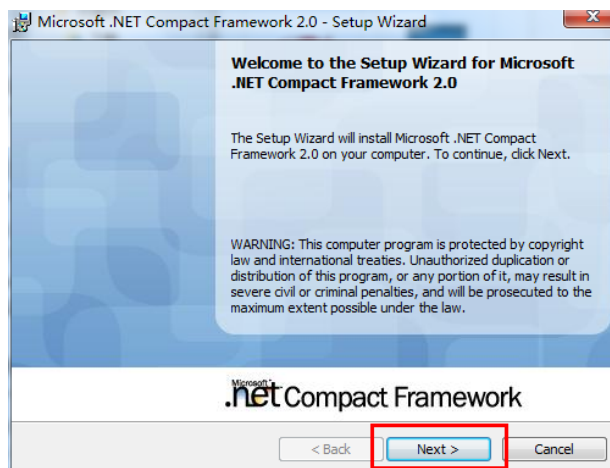
System Requirements

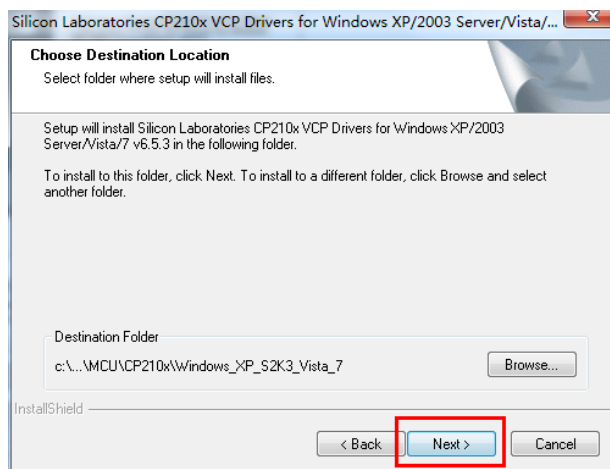
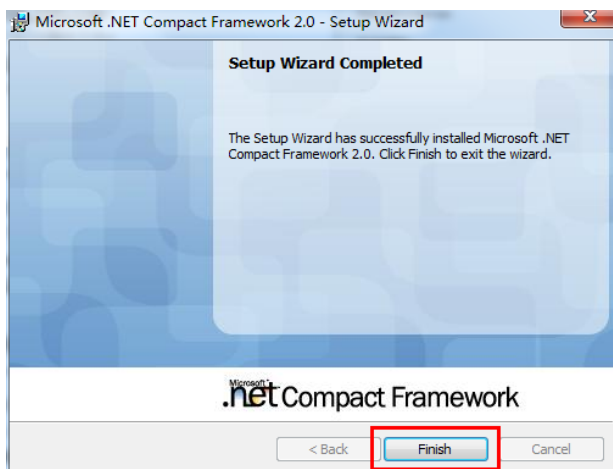
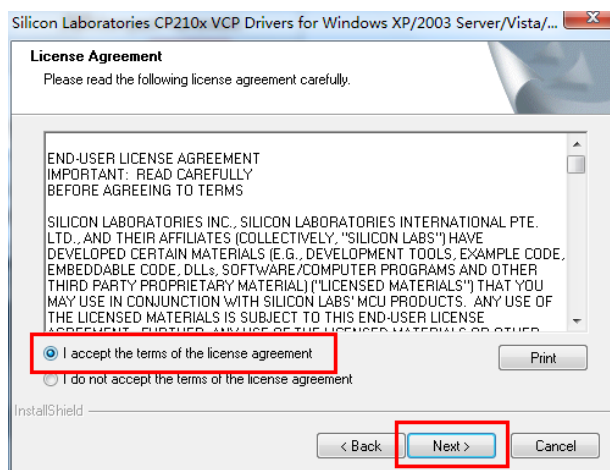
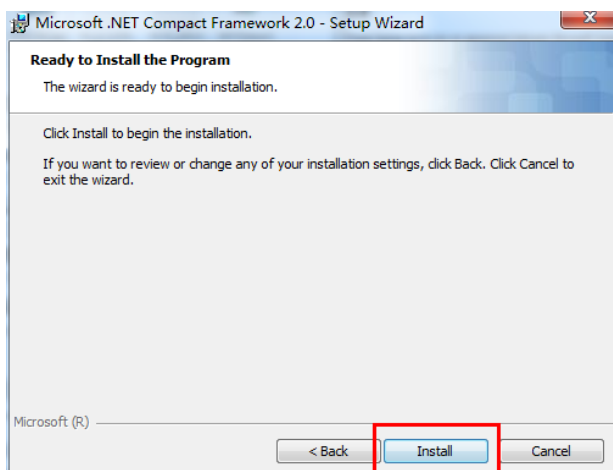
Supported operating system: Microsoft Windows XP/2003 Server/Vista/7. The Microsoft .NET Framework 2.0 is required to run the update program. If you are using Windows XP or Windows Server 2003, you have to install it first.

Install .NET Framework 2.0

.NET Framework 2.0 is included with Windows Vista and Windows 7, if your computer is running these systems, just skip this step please. Run the setup file "NETCFSetup2.msi" or download it from Microsoft's website <http://www.microsoft.com> manually. Keep clicking the "Next" button until the installation is complete.

HTTP://WWW.BAY-TEC.DE

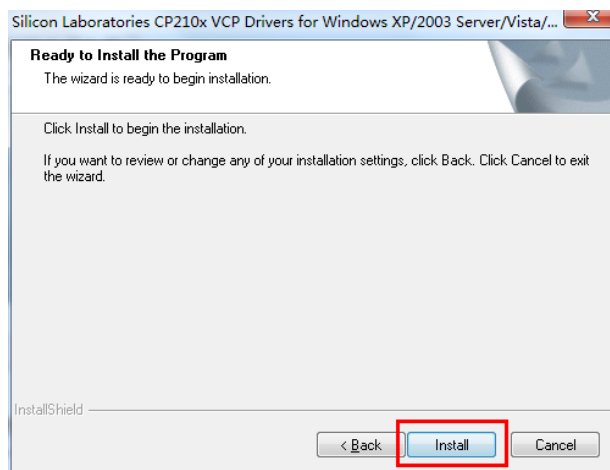
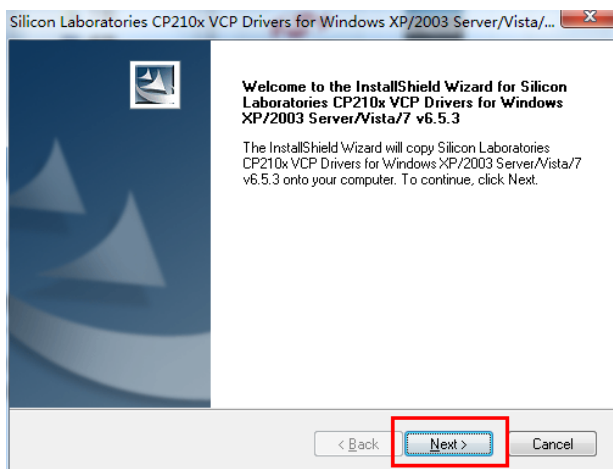


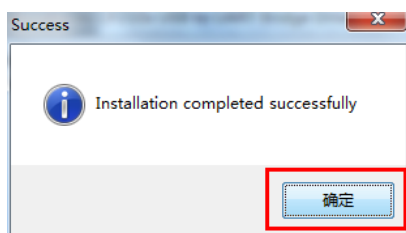
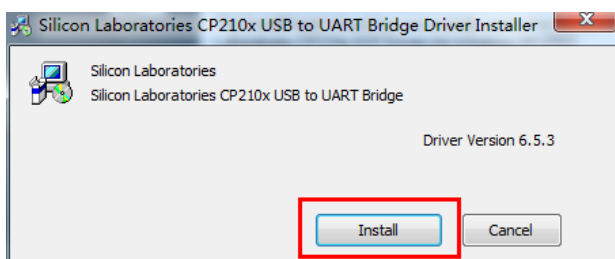
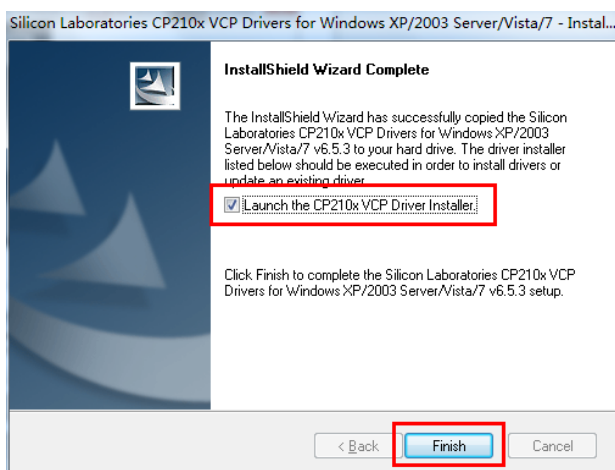


Install the USBKEY driver

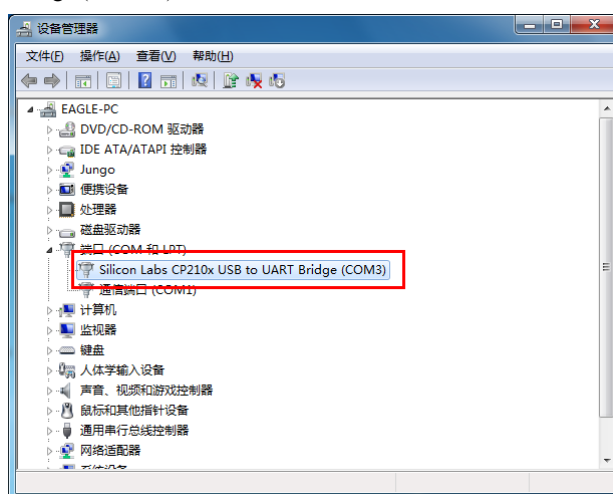
Double-click the file

"CP210x_VCP_Win_XP_S2K3_Vista_7.exe" to install the driver for the USKEY.





You can find the port number in the Ports (COM & LPT) list, the device name is "Silicon Labs CP210x USB to UART Bridge (COM X)".



Serial Port Number

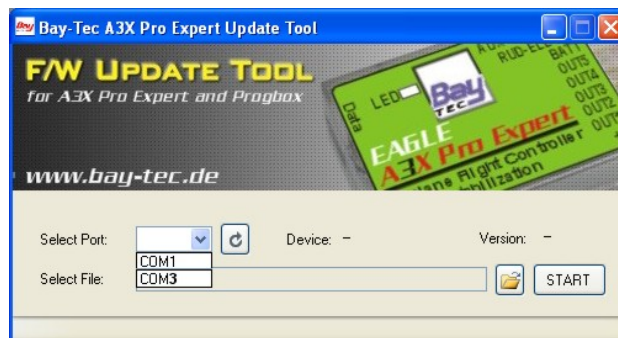
Once the installation is done, insert the key into the USB port of your computer, and wait for the system to install the proper driver for it.



Remember the port number "COM3" in the dialog above, it need to be used in the next steps. The number may be different on your computer, you can also find it in the Device Manager. To open the Device Manager, on the desktop, right-click on My Computer and click Properties or open the Control Panel and double-click the System icon.

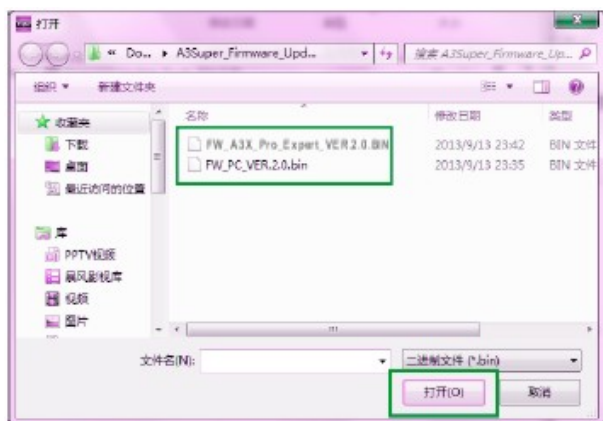
Upgrade the Firmware

Insert the USBKEY into the computer. **Don't connect the device to the key now. If the device has been mounted on the aircraft, don't turn the power on now !** Double-click the file "Firmware_Update_Tool.exe" to run the upgrade program. Select the correct port number in the drop-down box next to the "Select Port". If the port is not found in the list, try to click the button  to refresh the list.

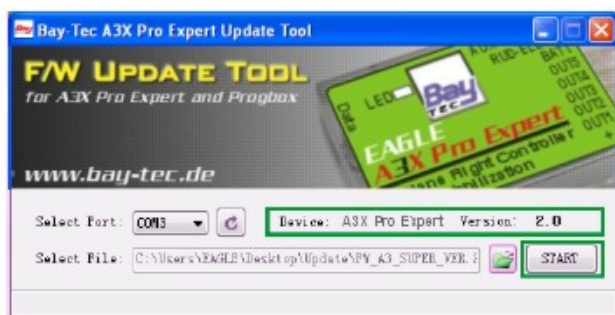


After selecting the port, click the button  next to the

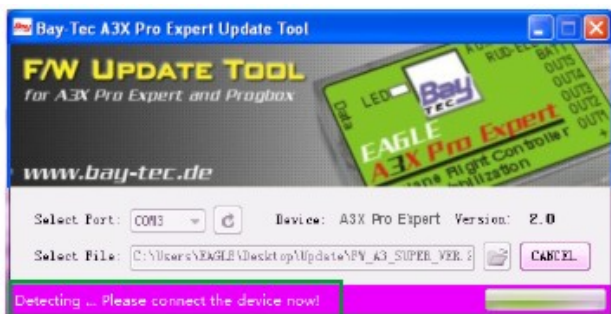
"Select File" to open the Open File Dialog, select the proper firmware file (the file name will be *.bin) and click "Open".



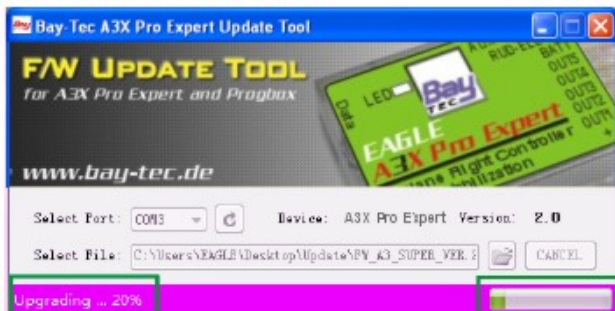
Back to the upgrade program, you will see the device name and version number according to the firmware file current selected. Click "START".



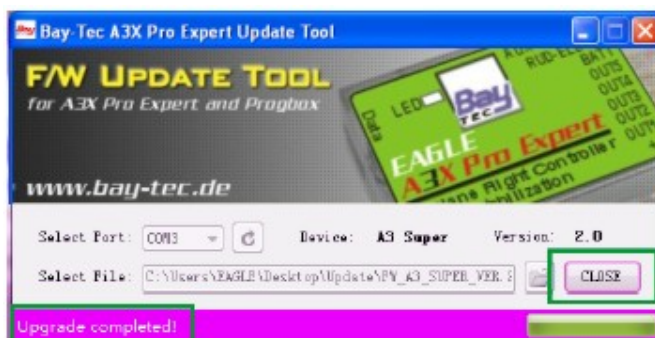
When the message "Detecting ... Please connect the device now!" is shown in the status bar, plug the device into the USBKEY using the data cable, the upgrade process will start automatically when the device is connected!



VERY IMPORTANT The device should be **POWER OFF** before connecting to the **USBKEY**, otherwise it could lead to a complete failure!



After the upgrade done, click the "CLOSE" button to exit the program.



Data Rebuild

After upgrading, please perform a **Data Reset (Restore)** manually by using the program card (the card needs to upgrade to ver.2.0 first) or the config tool (ver.2.0) to rebuild the data structure for the newest firmware. Due to that we had made some alterations in data structure for ver.2.0, those backups saved previously in the program card will become unusable since ver.2.0.

Method 1: Using the program card

