Firmware Update for Fanatec Wheel using FanatecFwUpdater

This installation guide shows you how to install a new Firmware to your Fanatec racing wheel.
Only compatible with:
  911 GT3 RS V2
  911 GT2
  911 Turbo S
  CSR Elite
  CSR

Please read the instructions carefully and make sure you do not interrupt the update process.
By updating the firmware you always risk the operability of your device so please make an update only if you have serious issues and if the update was recommended by the Fanatec support team. If the update was not performed properly you might lose the warranty on the device.

System requirements:
  Windows XP 32, Windows Vista (32/64) or Windows 7 (32/64)
    We can only assure a working update if the Windows version is installed completely fresh on your PC. Other programs might interfere with the update.
  Microsoft .NET Framework 3.5 has to be installed

Note: You might see some warning messages under Windows Vista and Windows 7 which you can ignore. Please always confirm these messages and continue.
It is required to have administrator rights on your PC to run the update.

Step 1
Reboot the PC. Connect the wheel to your PC by USB and to the power supply. Make sure the wheel is powered off.

Step 2
Turn off all other programs, especially antivirus programs (**IMPORTANT**!)
Disconnect all USB devices except mouse and keyboard. (especially other controllers)

Step 3
Extract: FanatecFwUpdate_XXX_XXX.zip to your desktop. Copy the files xxx.pw1 and xxx.pw2 into the folder "Firmware"
Warning: Use only the firmware which was made for your wheel as it could cause serious malfunctions and damage to use the wrong firmware.
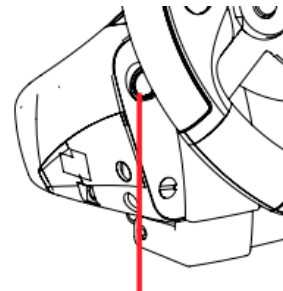
Step 4
Plug in the USB Cable for the wheel into a Windows PC. If you experience problems during flashing, use a different USB port.

Step 5

Push and hold the Xbox Guide Button or base button, then push the power button or plug on the power cable if the wheel has no power button.

Wait about 10 seconds (Xbox Guide Button is still pushed), after this, the first Ring of Light LED will be lit. Continue holding the Xbox Guide Button for another 3 seconds before you release it. The wheel is in the bootloader mode now.

On GT3RS V2 there is no indication if the wheel is in bootloader mode but the firmware updater will not start if the wheel is not in bootloader mode.
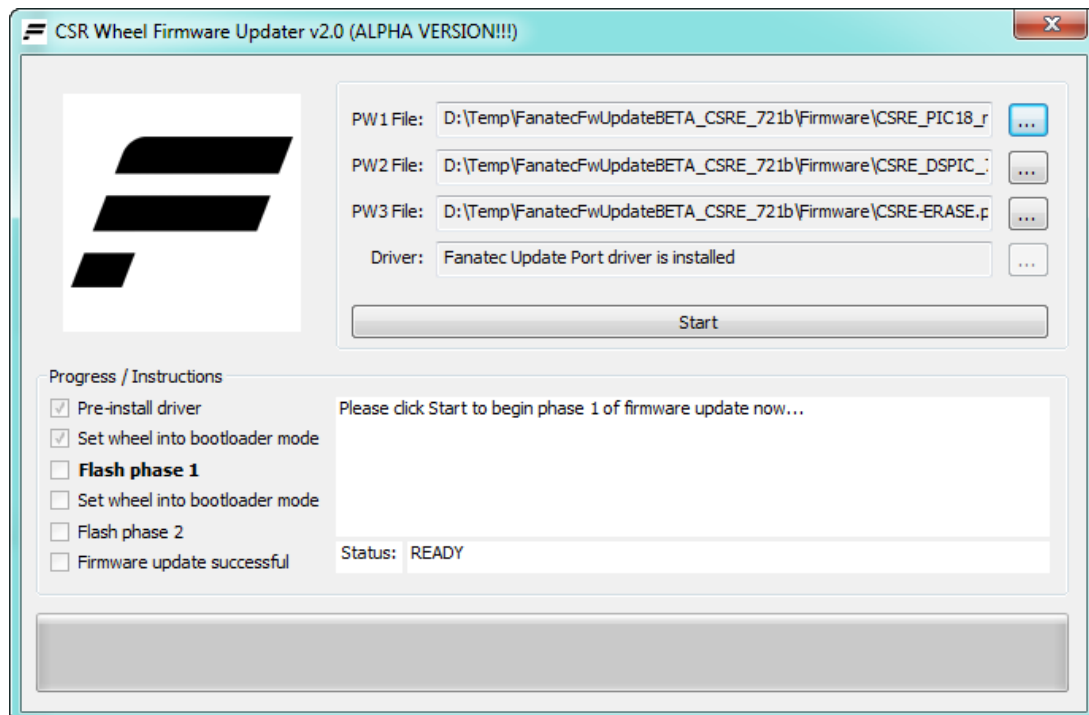

Xbox 360 Guide button

Step 6

Move to the new folder on your desktop ("FanatecFwUpdate_XXX_XXX") and open the 32bit or 64bit sub-folder according to your operating system (Check: Start -> Control Panel -> System -> System type -> …).

Doubleclick „FanatecWheelFirmwareUpdater_XX.exe:

Step 7

If you did not change the folder structure of the unpacked .zip file, the updater automatically detects the correct files. You can also change them manually.
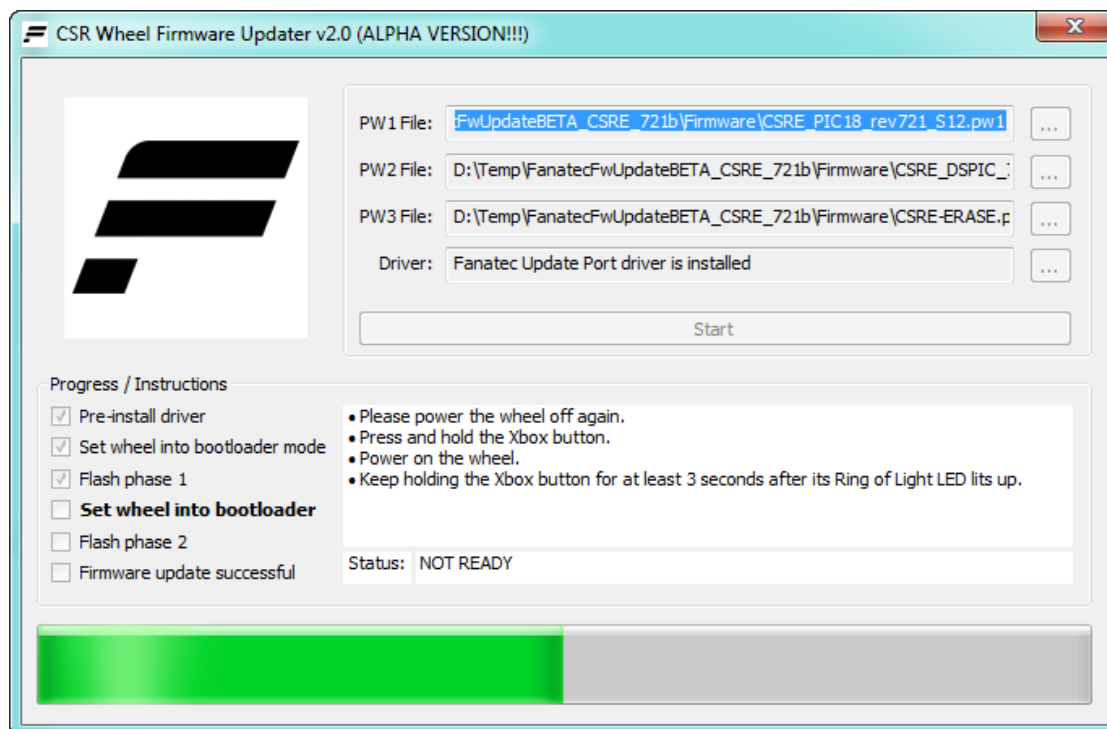

Step 8 (optional)

If you never performed an update before on this PC you also need to select the driver file which is located in the sub-folder "USB_driver".
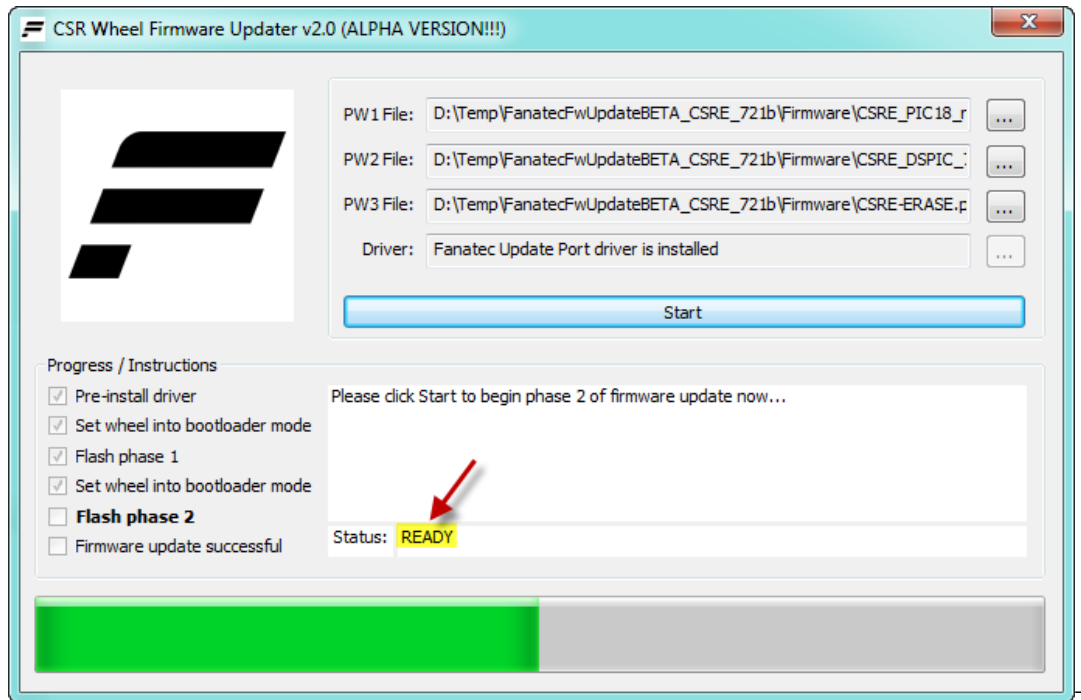
Step 9
Press "Start" and wait until phase1 is complete.

Step 10
Power off the wheel again. Restart the wheel a second time **in bootloader mode** like described above (Step 5). You will now see this screen:

Step 11
Press "Start" and wait until the update is finished-> Phase2 is complete.

If the update was successful the wheel will restart automatically this time. Now close the Firmware update tool.

Step 12
Only 911 GT2 and Turbo S:
Test if the FW was successful. The wheel should show "---" on the TUNING display. Press and hold A+B buttons together. Then additionally press the LSB and RSB on the wheel rim. You will now see the firmware version on the display and the fan will be set to "OFF" which means that the fans are in temperature controlled mode and not always fully running.

Only CSR and CSR Elite:
Test if the FW was successful. The wheel should show "---" on the TUNING display. Press and hold A+B buttons together. Then additionally press the 2 lower red buttons on the wheel rim. You will now see the firmware version on the display and the fan will be set to "OFF" which means that the fans are in temperature controlled mode and not always fully running.

Only 911GT3RS V2:
Start the wheel so the autocalibration routine moves the wheel to the right side and back to the center.
Before the wheel goes back to the center, grab the wheel and stop it. Press the lower 4 of the 8 main buttons of the wheel and hold them. Now move the whel to the center and then release the 4 buttons. You will now see the FW version and the status of the fans (PWGT3RS V2).

Step 13
Set wheel center Calibration:

All Xbox compatible wheels:
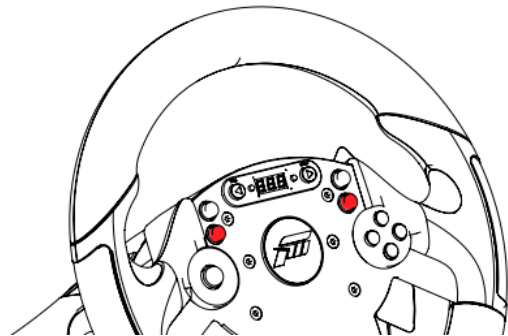Enter PC Mode by pressing the back button (big button on left side of the display).

Turn the wheel to its center position and press the the lower two red buttons (or RSB and LSB) on the rim. The wheel position will be saved as new wheel center.

GT3RS V2:
Press and hold L3 and R3 buttons (the lower ones on the left side) at the same time.
Press base button.
Release all three buttons.

Step 15
If you use the h-pattern CSR or Porsche shifter you will have to calibrate it after the firmware update:

Press **"Start Button"** + **"Tuning Button"** at the same time

Bring the 7GS into neutral position and press the "Start Button".

6_n

Enter reverse gear and press **"Start Button"**

6_r

Enter 1st gear and press **"Start Button"**

6_1

Enter 2nd gear and press **"Start Button"**

6_2

Enter 3rd gear and press **"Start Button"**

6_3

Enter 4th gear and press **"Start Button"**

6_4

Enter 5th gear and press **"Start Button"**

6_5

Enter 6th gear and press **"Start Button"**

6_6

Shifter calibration finished. You can check the proper functionality with use of the PC driver menu.

Note: If you had a problem and you will update again, you must run the FanatecFwUpdate_XXX again and perform the update process from the start because you can't return to previous step