

Falcon Quick Start Guide

Thank you and congratulations on the purchase of your new Novint Falcon!

Please do not connect the Novint Falcon to your computer prior to doing the driver installation of Step 1 below.

Please run all Novint provided installers and programs using the Run as administrator option as described below.

All software required to run and play games or create custom software applications with the Falcon must be downloaded from our website download page. Only Falcon hardware is included ... sorry if the outside of the box still says otherwise.

Step 1: Driver Installation

- a) **Download** the latest Falcon driver setup program (setup.Falcon.v4.0.28.0_100707.exe) to your computer from our download page: <http://www.novint.com/index.php/support/downloads>.
- b) **Run the driver setup program using administrator privileges** (i.e., right mouse click on setup.Falcon.v4.0.28.0_100707.exe icon on your computer and select the **Run as administrator**). We also highly recommend temporarily disabling your anti-virus/security software during the installation process.
Please Note: Run as Administrator option and being the sole user of a computer and having administrator privileges are not equivalent.
- c) After driver setup program has finished **Connect** the included USB cord between the Falcon and a USB port on your computer (not through an external USB Hub) and connect the Falcon power supply to the Falcon and an AC power outlet. Once your computer system senses the USB connection has been made, it will try to automatically find the drivers for your Falcon you just installed. You will be informed if there were any problems finding the Falcon drivers, but there shouldn't be problems.

Step 2: Falcon Tutorial

- a) **Download** the latest Falcon Tutorial setup program (setup.FalconTutorial_v1.1.0.0_070909.exe) to your computer from our download page: <http://www.novint.com/index.php/support/downloads>.
- b) **Run the Falcon Tutorial setup program using administrator privileges** (i.e., right mouse click on setup.Falcon.v4.0.28.0_100707.exe icon on your computer and select the **Run as administrator**). We also highly recommend temporarily disabling your anti-virus/security software during the installation process.
- c) Run the Falcon Tutorial program using administrator privileges so that you can become familiar with the Falcon and check the Falcon's basic operation. Please note if default installation settings were used the FalconTutorial.exe will be located in the *C:\Program Files (x86)\Novint\Games\Falcon Tutorial* folder on your computer.

Step 3: Games or Custom Application Development?

Your next step depends on your intended use of Falcon device ... playing games or custom program development. You can, of course, always to both.

For playing games using our free 3D Touch Add On support for the games you already own you must install F-Gen before installing the 3D Touch Add On for your games. F-Gen also allows you to use the Falcon as a mouse and manages the haptic game profiles and settings for the free 3D Touch Add Ons. F-Gen should be active prior to starting your 3D Touch Add On game and should automatically load the correct 3D Add On profile script file for your game. The currently loaded script file can be viewed and modified using the F-Gen Manager. F-Gen is not required

to play our native Full 3D Touch Games. F-Gen should not be running when playing our Full 3D Touch Games or running our Falcon Tutorial or running a custom developed application. Download the F-Gen program from our download page (<http://www.novint.com/index.php/support/downloads>). As with driver installation program and Falcon tutorial program ... please install F-Gen with administrator privileges and we still highly recommend temporarily disabling you anti-virus/security software during the installation process. You should also always run the F-Gen program using administrator privileges. Please see our website for the available game titles: <http://www.novint.com/index.php/store/3d-touch-games--add-ons/4>.

For custom program development you will want download our Novint SDK from our download page <http://www.novint.com/index.php/support/downloads>. As with driver installation program and Falcon tutorial program ... please install Novint SDK with administrator privileges and we still highly recommend temporarily disabling you anti-virus/security software during the installation process. The Novint SDK is a Windows platform, C++ language, force command based SDK which comes with documentation and code examples.

Please Note: If you install our Novint SDK and want to play games or run our Falcon Tutorial you will need to change the NOVINT_DEVICE_SUPPORT environment variable according to what you are doing. You can use the NDSetter program included with the Novint SDK to change the NOVINT_DEVICE_SUPPORT environment variable accordingly. Please run the NDSetter program using administrator privileges. When playing games the NOVINT_DEVICE_SUPPORT environment variable should be set to: C:\Program Files (x86)\Novint\Falcon\HDAL. When developing your custom application or running them NOVINT_DEVICE_SUPPORT environment variable should be set to: C:\Program Files (x86)\Novint\HDAL_SDK_2.1.3

Support

Please direct your questions to us directly via support@novint.com.

Common Issues and Tips

- **Note: both USB connections and power connections must be properly seated for Falcon to function correctly.**
- **If the light on the front of the Falcon is red after starting you game or application ... please** pull the Falcon Grip all the way out towards you and push the Falcon Grip all the way in up against the Falcon Body three times for the **calibration of the Falcon** to occur. The aforementioned calibration procedure also enables forces (which are not active when Falcon light is red) and turns light on the front of the Falcon to blue.
- **If your computer is having a hard time connecting to or finding the Falcon,** make sure to use a USB port directly on your computer (preferably on the back of your computer) and make sure that you are not connected through a USB hub.
- **When Playing Online First Person Shooter games competitively,** we highly recommend that people use the default settings for controlling aiming and turning while learning the Falcon's control scheme. After you have about 10 hours under your belt, then you can start tuning settings for more performance. We've found that most users are comfortable with navigation within an hour, and as proficient as they were with the mouse after about 20-40 hours of play. After that, most of our users report that they can actually surpass their mouse based skills in FPS games.