

Visual Basic

A software package for Visual Basic is available for Windows only for Visual Studio 2008/2010/2015. Functions currently available in the VB library are covered in the VB documentation.

Compiling and Downloading Programs

Download and unzip the Finch VB package.

Open Visual Studio. Go to File->Open->Project Solution, and open the FinchHid.sln

There are four example programs in the solution which you can run, they are:

- SimpleCommandLineControl - A console-only application that allows you to get sensor data and set the motors, LED, and buzzer.
- FinchControlPanel - A control panel that lets you visualize the sensor data and also set the motors, LED, and buzzer.
- FinchCommunicator - A very low level application for communicating with the Finch.
- WSADFinch - A simple program that lets you use the W,S,A, and D keys to drive Finch.

To choose which program to run, go to Project->Finch HID Properties.. and change the StartUp Object to the appropriate program. Note that for SimpleCommnadLineControl, you should also change "Application Type" to Console Application.

Important Folders

FinchVB - Contains the Finch Visual Basic Visual Studio project and source code.

FinchVB/Code - Holds four example programs that you can use to test out the installation.

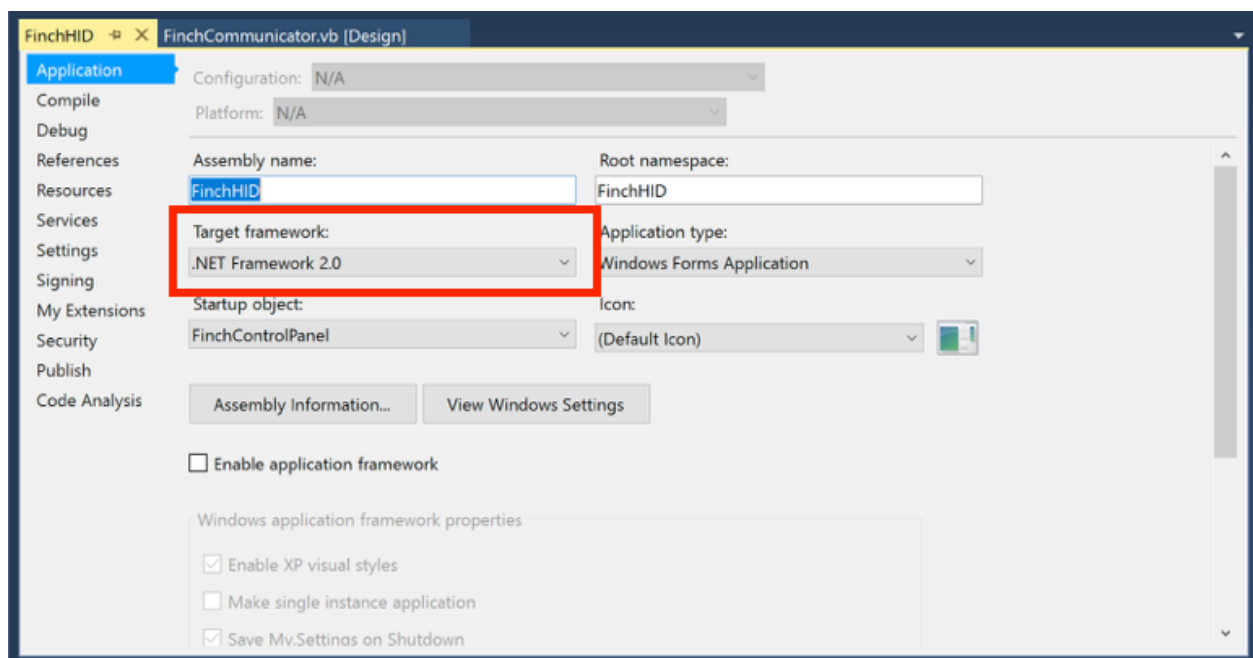
FinchVB/Finch - Holds the source of the Finch class as well as associated files to manage USB HID communication.

Documentation - A local copy of the Finch Visual Basic class documentation

Licensing - Licensing information for the Finch Visual Basic package.

Known Issues

- As the project was created in Visual Studio 2008, when first opened in Visual Studio 2010 a conversion wizard will convert the project to 2010. Please follow the wizard's default steps.
- Some of the example programs may throw "First Chance Exceptions". These are not errors, but caught exceptions that the programs are handling properly.
- When using Visual Studio 2015, you will need to choose .NET Framework 2.0 as the Target Framework. You can find this setting under Project/FinchHID Properties. You may need to download and install this targeting pack.



Version Information

Version 1.0 of the Finch Visual Basic package is now available and has been successfully tested on Windows XP 32-bit, Windows 7 64-bit in Visual Studio 2008 and 2010. It has also been successfully tested in Windows 10 with Visual Studio 2015.

Revision history:

Version 1.0 (6/26/2011) - First release.

Credits

Daragh Egan contributed the Visual Basic Finch library. Thanks Daragh!

The library is based on the generic hid project created and provided by Jan Axelson.