

Xbox360 Controller Plugin

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The XBox360Controller plugin is designed for the XBox360 wired and wireless controllers. The Xbox360 controller only works on XP SP1 (or greater) and Vista. The wireless controller communicates with the pc by using a small "Microsoft XBox360 Wireless Receiver For Windows" that plugs into the USB port on pc. You cannot use the USB charging cable that comes with some Wireless controllers. That is for charging only and does not pass any signals to the pc. The plugin currently supports 3 Microsoft ProductIds (0x0202, 0x028e, 0x0719, and 0x02A1). If you have a different one, let me know and I'll add it.

Before using the plugin, you should make sure your Controller is recognized by Windows. If you plug the controller in, Windows should say "found XBOX360 controller". If so, then you should see 1 green light in the upper left quadrant of the large button in the center of the controller. This means Windows found it and installed it as the first controller. If you get a "found new hardware" message then you have 2 choices.

1. You can let Windows go out on the Internet and find the drivers (it will find them) or
2. Cancel, disconnect the controller, and then go download the drivers and install them. The file you need is "Xbox360_32Eng.exe" from Microsoft's web site. Then reconnect the controller and Windows should recognize it.

The plugin requires that there only be 1 XBox360 controller and that it is the first one (Green light upper left quadrant). The plugin goes in the \Mach3\Plugins folder.

When you start Mach, if Mach cannot see an XBox360 controller, you will get a startup message to that effect. You need to fix that problem first. Once it is fixed, Mach should start with no message. When you go to the Config plugins page, you may see the XBox360Controller plugin with a red X in front of it. Click it to enable it. You will then get a message saying that the Controller is not available. That just means you have to exit Mach and restart it before the Controller will work. It checks a number of things on startup and you can't just enable it in the middle of Mach and have it work. When you are on the Config plugins page and receive the message, you can still go to the Controller page and pick all the options that you want and save them. Then leave Mach and restart it.

If you get an error message such as file not found when you start Mach, then you may need to download the Nov2007 DirectX SDK. It will upgrade your pc to DirectX 9.0C. You can run "DXDIAG" from the "Run" choice in "Start". That will tell you what version of DirectX you have. If you are below 9.0C, you should install the SDK. It is called "directx_nov2007_redist.exe". It is available on Microsoft's website. The process for installing the SDK is to start the exe and let it unzip to a folder such as C:\Temp\SDK. When it is done, go to the folder and run the setup exe. It will install the DirectX files

necessary to upgrade your pc to DirectX 9.0C. When it is done, you can erase the folder where you unzipped it (such as C:\Temp\SDK).

When you are on the Config page of the plugin, you should see a grey box that show you what controller the plugin sees. You may find that helpful.

The Config page allows you to assign a number of options to the various buttons. You can also assign whichever axis you want to the Thumbsticks. The ThumbPad (next to the left Thumbstick) is Incremental jog for the left Thumbstick. If you want to Incremental jog the right Tumbstick then you have to assign that to the buttons.

When you are using the Controller, if the batteries get too low, or the Controller becomes disconnected, it will be disabled. You will have to exit Mach, fix the problem and restart Mach. You will receive a Low Battery message when the battery is low. You can still use the controller for awhile. Just exit at your earliest convenience and replace the batteries.

The triggers on the lower front are set to increase Jog speed when used with the Thumbsticks. For example, if you are jogging with one of the thumbsticks and then press either (not both) trigger, the jog speed will increase depending upon how much you pull the trigger. The left trigger works in conjunction with the left thumbstick and the right trigger works with the right thumbstick.

The following items are not currently available:

1. Large silver button in the center of the controller. That is not available to the pc
2. Center Push down switches on Thumbsticks.
3. Low battery indication for wireless - Windows does not return the value at present
4. Rumble
5. Audio

Hopefully, you will find this plugin useful.