

VJoy Virtual Joystick Driver SDK 1.2

Developed by Headsoft

Description

The VJoy Virtual Joystick Driver SDK is a collection of source code examples for controlling the VJoy Virtual Joystick Driver.

For more information on these devices please visit:

- VJoy - <http://headsoft.com.au/index.php?category=vjoy>

It contains source code projects in the following languages:

- C#
- C++
- Delphi
- VB6
- VB.NET

Structures

```
struct JOYSTICK_STATE
{
    unsigned char ReportId;
    short XAxis;
    short YAxis;
    short ZAxis;
    short XRotation;
    short YRotation;
    short ZRotation;
    short Slider;
    short Dial;
    short Wheel;
    unsigned short POV;
    unsigned int Buttons;
};
```

Functions

bool VJoy_Initialize((char *) name, (char *) serial)

- Initialize the VJoy driver
- Name and serial are provided for commercial usage. Empty strings will place the driver in demo mode and will quit after 5 minutes of use
- Returns true for success and false for failure

void VJoy_Shutdown()

- Shutdown the VJoy driver

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- No return value

bool VJoy_UpdateJoyState(int id, JOYSTICK_STATE* pJoyState)

- Update the current joystick state specified by id
- Returns true for success and false for failure
- Axes range is -32768 to 32767
- There are 4 POV's each taking 4 bits of the 32 bit integer
- POV values are Up = 0, Right = 1, Down = 2, Left = 3, Nil = 4

Examples in C++

- Send some data to the first joystick

```
JOYSTICK_STATE m_joyState[2] = { 0 };

int main(int argc, char* argv[])
{
    VJoy_Initialize("", "");

    m_joyState[0].XAxis = 32767;
    m_joyState[0].YAxis = 32767;
    m_joyState[0].ZAxis = 32767;
    m_joyState[0].Buttons = 0xAAAA;

    VJoy_UpdateJoyState(0, &m_joyState[0]);

    VJoy_Shutdown();

    return 0;
}
```

Release Dates

- 13-10-2012 – 1.2 – 32 Buttons, 9 axes (-32768 to 32767), 4 POV
- 2-7-2012 – 1.1 – 32 buttons, 7 axes, 1 POV
- 1-2-2010 – 1.0 – First Release

Contact

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