

JSB34X DLL Library API Overview

The JSB34X.DLL provides a API for the JSB34X Relay modules. It can be used by any programming languages or any applications that supports standard windows DLL Libraries. On the driver CD, included is sample source code for various programming languages. They demonstrated the use of each of the functions in a simple straight-forward manner and can be used as a starting point for user applications. The following is just a quick overview for each of the functions.

1.0 Get Number of Modules

This function returns the number of JSB34X Modules attached to the computers USB port.

`short _stdcall JSB34xNumberOfModules()`

2.0 Get the serial number of attached JSB34X Module

This function returns a string that is a unique serial number so when multiple JSB34X modules can be accessed.

`_stdcall JSB34xSerialNumber(int nModuleNumber, LPSTR StringReturn, int Size)`

3.0 Get the version of the DLL library

This function returns a string that is the version of the DLL library being used.

`_stdcall JSB34xDllVersion(LPSTR ptrToReturnString, int Size)`

4.0 Get version of driver

This function returns a string that is the version of JSB34X USB driver being used.

`_stdcall JSB34xDriverVersion(LPCTSTR SerialNumber, LPSTR ptrReturnString int Size)`

5.0 Get version of firmware

This function returns a string that is the version of the firmware on the JSB34X module.

`_stdcall JSB34xFirmwareVersion(LPCTSTR SerialNumberOfModule)`

6.0 Flash the module LED

This function flashes the LED on the module.

`_stdcall JSB34xFlashLed(LPCTSTR SerialNumberOfModule)`

7.0 Check if the relay is closed

This function returns a value of true if the relay on the module is closed, if open returns false.

`Bool _stdcall JSB34xIsRelayClosed(LPCTSTR SerialNumberOfModule)`

8.0 Check if the state of the input

This function returns a value of true if the input on the module is above threshold.

`Bool _stdcall JSB34xIsInputOn(LPCTSTR SerialNumberOfModule, unsigned char uInputNumber)`

9.0 Get the states of the inputs

This function returns a value of the inputs on the module is above threshold.

`Unsigned char _stdcall JSB34xInput(LPCTSTR SerialNumberOfModule)`

10.0 Close the relay

This function closes the relay on the module with the passed serial number.

`_stdcall JSB34xCloseRelay(LPCTSTR SerialNumberOfModule)`

11.0 Open the relay

This function opens the relay on the module with the passed serial number.

`_stdcall JSB34xOpenRelay(LPCTSTR SerialNumberOfModule)`

12.0 Get the number of relays on module

This function returns the number of relays on the module with the passed serial number.

`Unsigned char _stdcall JSB34xMaxRelays(LPCTSTR SerialNumberOfModule)`

13.0 Get the number of inputs on module

This function returns the number of inputs on the module with the passed serial number.

`Unsigned char _stdcall JSB34xMaxInputs(LPCTSTR SerialNumberOfModule)`

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14.0 Close all the relays

This function closes all the relays on the module with the passed serial number.
_stdcall JSB34xCloseAllRelay(LPCTSTR SerialNumberOfModule)

15.0 Open all the relays

This function opens all the relays on the module with the passed serial number.
_stdcall JSB34xOpenAllRelay(LPCTSTR SerialNumberOfModule)