

# JSB252 DLL Library API Overview

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The JSB252.DLL provides a API for the JSB252 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 JSB252 Modules attached to the computers USB port.  
`short _stdcall JSB252GetNumberOfModules()`

## 2.0 Get the serial number of attached JSB252 Module

This function returns a string that is a unique serial number so when multiple JSB252 modules can be accessed.  
`_stdcall JSB252GetSerialNumber(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 JSB252GetClassLibraryVersion(LPSTR ptrToReturnString, int Size)`

## 4.0 Get version of driver

This function returns a string that is the version of JSB252 USB driver being used.  
`_stdcall JSB252GetDriverVersion(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 JSB252 module.  
`_stdcall JSB252GetFirmwareVersion(LPCTSTR SerialNumberOfModule)`

## 6.0 Get the number of relays on the module

This functions returns the number of relays installed on the module (one (1) or two (2)).  
`_stdcall JSB252NumberOfRelays(LPCTSTR SerialNumberOfModule)`

## 7.0 Flash the module LED

This function flashes the LED on the module.  
`_stdcall JSB252FlashLed(LPCTSTR SerialNumberOfModule)`

## 8.0 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 JSB252IsRelay1Closed(LPCTSTR SerialNumberOfModule)`  
`Bool _stdcall JSB252IsRelay2Closed(LPCTSTR SerialNumberOfModule)`

## 9.0 Close the relays

There are three (3) functions for closing relays on the module with the passed serial number. The first two closes just one (1) relay at a time, the other closed both.  
`_stdcall JSB252CloseRelay1(LPCTSTR SerialNumberOfModule)`  
`_stdcall JSB252CloseRelay2(LPCTSTR SerialNumberOfModule)`  
`_stdcall JSB252CloseAllRelay(LPCTSTR SerialNumberOfModule)`

## 10.0 Open the relay

There are three (3) functions for opening relays on the module with the passed serial number. The first two opens just one (1) relay at a time, the other opens both.  
`_stdcall JSB252OpenRelay1(LPCTSTR SerialNumberOfModule)`  
`_stdcall JSB252OpenRelay2(LPCTSTR SerialNumberOfModule)`  
`_stdcall JSB252OpenAllRelays(LPCTSTR SerialNumberOfModule)`