

JSB252 Class Library API Overview

The JSB252CL.DLL provides a managed API for the JSB252 Relay modules. It can be used by any programming languages or any applications that supports standard windows Class 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. The class library has an .xml file that is used by Visual Studio to support IntelliSense help to make using the functions quick and easy.

1.0 Get Number of Modules

This function returns the number of JSB252 Modules attached to the computers USB port.

```
public static System::Int16 GetNumberOfModules()
```

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.

```
public static System::String GetSerialNumber(System::Int32 nModuleNumber)
```

3.0 Get the version of the class library

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

```
public static System::String GetClassLibraryVersion(void)
```

4.0 Get version of driver

This function returns a string that is the version of JSB252 USB driver being used.

```
public static System::String GetDriverVersion(System::String SerialNumberOfModule)
```

5.0 Get version of firmware

This function returns a string that is the version of the firmware on the JSB252 module.

```
public static System::String GetFirmwareVersion(System::String SerialNumberOfModule)
```

6.0 Get Number of Relays

This function returns the number of Relays on the Modules.

```
public static System::Int16 GetNumberOfRelays()
```

7.0 Flash the module LED

This function flashes the LED on the module.

```
public System.Void FlashLed(System.String SerialNumberOfModule)
```

8.0 Check if the relay is closed

These two (2) function returns a value of true if the relay on the module is closed, if open returns false.

```
public System::Boolean IsRelay1Closed(System::String SerialNumberOfModule)
```

```
public System::Boolean IsRelay2Closed(System::String SerialNumberOfModule)
```

9.0 Close the relay

These three (3) functions close the relays on the module with the passed serial number.

```
public System::Void CloseRelay1(System::String SerialNumberOfModule)
```

```
public System::Void CloseRelay2(System::String SerialNumberOfModule)
```

```
public System::Void CloseAllRelays(System::String SerialNumberOfModule)
```

10.0 Open the relay

These three (3) functions open the relays on the module with the passed serial number.

```
public System::Void OpenRelay1(System::String SerialNumberOfModule)
```

```
public System::Void OpenRelay2(System::String SerialNumberOfModule)
```

```
public System::Void OpenAllRelays(System::String SerialNumberOfModule)
```