JSB63x DLL Library API Overview

The JSB63x.DLL provides a API for the JSB63x Temperature 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 JSB63x Modules attached to the computers USB port.

```
short _stdcall  Jsb63xGetNumberOfModules()
```

2.0 Get the serial number of attached JSB63x Module

This function returns a string that is a unique serial number so when multiple JSB63x modules can be accessed.

```
_stdcall Jsb63xGetSerialNumber(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 Jsb63xGetDllVersion(LPSTR ptrToReturnString, int Size)
```

4.0 Get version of driver

This function returns a string that is the version of JSB63x USB driver being used.

```
_stdcall Jsb63xGetDriverVersion(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 JSB63x module.

```
_stdcall Jsb63xGetFimrwareVersion(LPCTSTR SerialNumberOfModule)
```

6.0 Flash the module LED

This function flashes the LED on the module.

```
_stdcall JSb63xFlashLed(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  Jsb63xIsRelayClosed(LPCTSTR SerialNumberOfModule)
```

8.0 Close the relay

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

```
_stdcall Jsb63xCloseRelay(LPCTSTR SerialNumberOfModule)
```

9.0 Open the relay

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

```
_stdcall Jsb63xOpenRelay(LPCTSTR SerialNumberOfModule)
```

10.0 Read Temperature value

This function returns the temperature value on the module with the passed serial number. Each bit of the value is 0.25 Degree Centigrade.

```
Short _stdcall Jsb63xGetInput(LPCTSTR SerialNumberOfModule)
```

11.0 Set Trip values

This function sets the upper and lower temperature trip points for turning the relay on or off. When the temperature is equal or greater than the upper point the relay is closed. When the Temperature is equal or lower then the lower point, the relay is open.

```
_stdcall Jsb63xSetTemperature(LPCTSTR SerialNumberOfModule,short Upper,short Lower)
```

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