



Interfacing Solutions

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HID ActiveX DLL Interface Specification

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Document Revision

<i>Version</i>	<i>Date</i>	<i>Author</i>	<i>Revision</i>
1.0	28-06-07	WDW	Initial Version
1.1	28-06-07	WDW	Document Reformatted Constants <ul style="list-style-type: none">• HIDEFailure (Added) Properties <ul style="list-style-type: none">• ResultCode (Added) Methods <ul style="list-style-type: none">• OpenDevice (Changed)• CloseDevice (Changed) Events <ul style="list-style-type: none">• ErrorEvent (Removed)
1.2	03-01-07	WDW	Methods modified to standard OCR323
1.3	07-05-08	WDW	Updated to reflect latest interface standards Document Reformatted

Overview

This document outlines the DLL's public interface.

Requirements

The DLL interfaces directly with the operating systems HID interface. This means that the Access Driver must be stopped (or uninstalled before this DLL can be used.

Supported Operating Systems

This version of the DLL supports the following operating systems.

- 1) Windows XP
- 2) Windows 2000

Interface Specification

Constants

HIDSuccess	0	Successful
HIDSClosed	1	Initial device state
HIDSOpen	0	Device is opened
HIDEIllegal	106	Illegal operation. Device is already open.
HIDNoexist	109	Device isn't connected
HIDEClosed	101	Connection to device is closed
HIDEFailure	111	Operation failed

Properties

AutoDisable Boolean R/W

True	<ul style="list-style-type: none">Once a read has been performed, then the device is disabled (DeviceEnabled property is set to false).This value can only be set after the open method.Sets the ResultCode property to HIDSuccess
False	Doesn't change the DeviceEnabled property (Default)

Sets result code to:

- HIDSuccess
- HIDEIllegal

State Long R

This property returns the devices state.

HIDSClosed	Device is currently closed (Default)
HIDSOOpen	Device is currently open

LastRead String R

This property returns the last data that was successfully read.

ResultCode Long R

This property returns result code of the last operation performed.

DeviceEnabled Boolean R/W

True	<ul style="list-style-type: none">• Red light goes off and the device.• Device is set to an operational state.• This value can only be set after the open method.
False	Red light goes on and the device will not read any data (Default)

Sets result code to:

- HIDSuccess
- HIDEIllegal
- HIDEFailure

Methods

OpenDevice() Long

This method will attempt to open a connection to the device without enabling the device.

Returns and sets result code to:

- HIDSuccess
- HIDEIllegal
- HIDNoExist
- HIDEFailure

CloseDevice() Long

Sets DeviceEnabled to False.

Returns and sets result code to:

- HIDSuccess

ClearInput() Long

Clears any buffered data. Device must be opened first before this method can be called.

Returns and sets result code to:

- HIDSUCCESS
- HIDEIllegal

Events*DataEvent*

Data	String	Data read from the device
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ClosedEvent

Code	Long	Reason why the connection to the device has been closed. This will normally return HIDNoExist.
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