



1 Introduction

Code samples introduced here will be in eVC++, tested in the eVC++ from Microsoft.

2 File contents

☞ WoosimPrinter.DLL (Ver. 2.0.0.3)

3 Import function

☞ int InitPrinter(TCHAR* sPortName, int iBaudRate, BOOL bProtocol)
☞ BOOL Close_Printer()
☞ int ControlCommand(BYTE *Cmd, int iLength)
☞ int SaveSpool(TCHAR*sData, int iFontValue, BOOL bEmphasis)
☞ int PrintSpool(BOOL bDelete_Spool)
☞ void ClearSpool()
☞ void CardRead(BOOL bTrack2)
☞ void CardCancel()

4 Message and return value

● Message

☞ MSG_RECEIVE_CHECK _T("WOOSIM_PRT_OK")
UWM_RECEIVE_CHECK = ::RegisterWindowMessage(MSG_RECEIVE_CHECK)

● Message Parameter(WPARAM Parameter Value)

☞ NACK	0x15
☞ DATA	0x44
☞ EOT	0x04
☞ ETX	0x03
☞ MSR_FAIL	0x4D



WoosimPrinter DLL Reference

Printer interface reference for woosim printer.

● Return value

☞ SUCCESS	1
☞ ALREADY_OPENED	-1
☞ UNABLE_TO_OPEN_THE_PORT	-2
☞ UNABLE_TO_CONFIGURE_THE_SERIAL_PORT	-3
☞ UNABLE_TO_SET_THE_TIMEOUT_PARAMETERS	-4
☞ NO_RESPONSE_FROM_PRINTER	-5
☞ NOT_OPEN_THE_PORT	-11
☞ BUFFER_OVERFLOW	-12
☞ OPERATOR_ERROR	-13

5 Function Reference

● int InitPrinter(TCHAR *sPortName, int iBaudRate, BOOL bProtocol)

: This function opens the printer communications resource.

Parameter

sPortName

Specifies the name of a communications resource to open.
you must include a colon after the name.
For example, specify "COM1: " to open that port.

iBaudRate

Specifies the baud rate at which the communication device operates. It is an actual baud rate value

bProtocol

Specifies if protocol mode is enabled. If this member is TRUE, protocol mode is performed and the printer status are reported.
For example, Protocol IrDA, Protocol Bluetooth, Protocol RS232



WoosimPrinter DLL Reference

Printer interface reference for woosim printer.

- Return value

If the port is opened successfully and there is response from printer,

► SUCCESS ,

If called more than twice,

► ALREADY_OPENED

If the communication port is already opened from another program,

► UNABLE_TO_OPEN_THE_PORT

If the time out setting is failed,

► UNABLE_TO_SET_THE_TIMEOUT_PARAMETERS,

If there is no response from printer,

► NO_RESPONSE_FROM_PRINTER;

● BOOL ClosePrinter()

: Close the opened communication port.

- Return value

If the closing is in success, it will return the TRUE,

if the closing is failed, it will return the FALSE

● int ControlCommand(BYTE *Cmd, int Length)

: The function storing the printer control commands and string in the output buffer.

- Parameter

Cmds

BYTE type pointer sending the printer control command and string.

iLength

The number of byte of the Printer control command and string.

- Return value

If the saving is successful,

it will return the number of data byte stored in the output buffer.

If it exceed capacity of output buffer, it will return the **BUFFER_OVERFLOW**,

If the communication port is not opened, it will return the **NOT_OPEN_THE_PORT**.



WoosimPrinter DLL Reference

Printer interface reference for woosim printer.

● **int SaveSpool(TCHAR* sData, int iFontValue, BOOL bEmphasis)**

: The function storing the print data to the output buffer,

- **Parameter**

sData

Sending the print letter by the CString type

Printer Control Command which does not contain NULL price has nothing to do although it includes at the character string.

iFontValue

Setting the font size of printed CString.

0 = Normal -Default-

1 = Double Height

2 = Double Width

3 = Double Height and Width

bEmphasis

Setting the emphasis mode

FALSE = Normal

TRUE = Emphasized

- **Return value**

If the storing is successful,

it will return the number of data byte stored in the output buffer.

If it exceed capacity of output buffer, it will return the **BUFFER_OVERFLOW**,

If the communication port is not opened, it will return the **NOT_OPEN_THE_PORT**.

● **int PrintSpool(BOOL Delete_Spool = TRUE)**

: printing the stored data in the output buffer to the communication port.

- **Parameter**

bDelete_Spool

If it is set to TRUE, delete the text of buffer clearly after printing.

If it is set to FALSE, don't delete the text of buffer after printing.

- **Return value**

If the printing is completed successfully,

It will be returned the **SUCCESS**.

The printing is not completed successfully because the communication port is not opened, it will be returned the **NOT_OPEN_THE_PORT**.



WoosimPrinter DLL Reference

Printer interface reference for woosim printer.

A third parameter value of InitPrint function is FALSE, output an ETX message.

It outputs an PAPER_END message if a printing while paper falls off.

- **void Clear_Spool()**

: Deleting the text in buffer clearly.

- **void CardRead (bool Track2 = TRUE)**

: Sending the card reading command to the printer.

- **Parameter**

Track2

Track 2 is set to FALSE with bool type, the printer will be preparing for reading the card in Track2,

Track 3 is set to TRUE, the printer will be preparing for reading the card in Track 3

- **void CardCancel()**

: Use when exit from card reading command.

6 WM_RECEIVE_MSG Message reference

Register "MSG_RECEIVE_CHECK" with using DefWindowProc function and make function receiving the message.

Ex> DefWindowProc(UINT message, WPARAM wParam, LPARAM lParam)

- In case of receiving the card data from the printer

Transmit the DATA to the wParam and transmit the card data to the lParam in BYTE type pointer.

- **When the printer receive the wrong data or misread the card.**

Transmit the NACK to the wParam and transmit the integer 0 to the lParam

- **When the printer receive the data or command normally**

Transmit the EOT to the wParam and transmit the integer 0 to the lParam.

- **When the printer completed to print normally**

Transmit the ETX to the wParam, transmit the integer 0 to the lParam.