

# **CinoSerialSDK Programmer's Reference**

**Release 2.0**

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# Commands

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## OpenComPort Command

**Purpose:** Open a COM port for data transmitting/receiving. After calling OpenComPort(), the initial status of the COM port is

**Syntax:** OpenComPort (ComPort)

**Argument:** ComPort.  
COM port number

**Return:** 0 OK  
-1 No such port or port is occupied by other program.  
-2,-3,-6 Calling Win32 function failed  
-4 Read thread error  
-5 Write thread error  
-9 COM port had been opened

**None:**

**Example:**

```
Dim Ri As Integer
Ri = OpenComPort(1)
If (Ri <> 0) Then
    MsgBox " OpenComPort define error "
End If
```

## CloseComPort Command

**Purpose:** Disable a serial port so that it cannot receive/transmit data.

**Syntax:** CloseComPort( ComPort)

**Argument:** ComPost.  
COM port number

**Return:** 0 OK  
-8 No such port or COM port had been closed

**None:**

**Example:**

```
Dim Ri As Integer
Ri = CloseComPort (1)
If Ri <> 0 Then
    MsgBox " CloseComPort define error "
End If
```

## GetTerminalID Command

**Purpose:** Send broadcast packet to terminal on the serial com port. Get TerminalID.

**Syntax:** GetTerminalID (ComPost)

**Argument:** ComPost.  
COM port number

**Return:** If the function succeeds, the return value is a terminal id  
“-6” timeout

**None:**

**Example:**

```
Dim Rs As String
Rs = GetTerminalID( 1)
If Rs <> "-6" Then
    MsgBox " GetTerminalID define error "
End If
```

## GetTerminalName Command

**Purpose:** get to terminal on the serial com port. Get TerminalName.

**Syntax:** GetTerminalName (ComPost)

**Argument:** ComPost.  
COM port number

**Return:** If the function succeeds, the return value is a terminal name  
“-6” timeout

**None:**

**Example:**

```
Dim Rs As String
Rs = GetTerminalName( 1)
If Rs <> "-6" Then
    MsgBox " GetTerminalName define error "
End If
```

## PutTerminalFile Command

**Purpose:** Transmit file from Host to Terminal.

**Syntax:** PutTerminalFile ( TerminalID, Source, PurposeFolder, Overwrite)

**Argument:**TerminalID:

GetTerminalID (ComPost)

Source:

(HOST) the name of the file to be sent,include the path of file

PurposeFolder

(Terminal) folder=A or B( A=SDRAM,B=Flash ROM),

Overwrite

0. avoid overwriting the already existing file.

1. replace this file that already exist in the target system

**Return:** 0 OK

-6 phase 1 timeout

-5 phase 2 timeout

-2 terminal return NAK packet

-9 phase 4 timeout

-7 Drv Params is invalid

-3 the file does not exist,

-4 filename params is invalid

-8 Terminal don't exist, maybe terminal haven't linked.

**None:**

**Example:**

Dim Ri As Integer

Ri = PutTerminalFile(**TerminalID**, "C:\INVENTOR.DAT", "A", 1)

If (Ri <> 0) Then

MsgBox " PutTerminalFile define error "

End If

## GetTerminalFile Command

**Purpose:** Transmit file from Terminal To Host

**Syntax:** GetTerminalFile ( TerminalID, Source, PurposeFolder, Overwrite)

**Argument:**TerminalID:

GetTerminalID (ComPost)

Source:

(Terminal) the name of the file to be sent,include the path of file

PurposeFolder

(Host) the name of the file of the host(PC)

Overwrite

0. avoid overwriting the already existing file.

1. replace this file that already exist in the target system

**Return:** 0 OK

-6 phase 1 timeout

-5 phase 0 timeout

-1 ReceiveFileBlockPacket() occur the exception

-2 ReceiveFileBlockPacket() packet error.

-7 Drv Params is invalid

-4 filename params is invalid

-8 Terminal don`t exist, maybe terminal haven`t linked

**None:**

**Example:**

Dim Ri As Integer

Ri = GetTerminalFile (**TerminalID**, "A\INVENTOR.DAT", "C:\", 1)

If (Ri <> 0) Then

MsgBox " GetTerminalFile define error "

End If

## DeleteTerminalFile Command

**Purpose:**Delete the file of terminal

**Syntax:** DeleteTerminalFile (TerminalID, Source)

**Argument:**TerminalID:

GetTerminalID (ComPost)

Source:

(Terminal)the name of the file to be sent,include the path of file

**Return:** 0 OK

-8 Terminal don`t exist, maybe terminal haven`t linked

-7 Drv Params is invalid

-6 time-out

-5 object buffer error

-4 filename params is invalid

-1 file of terminal don`t exist

-2 Packet error

**None:**

**Example:**

Dim Ri As Integer

Ri = DeleteTerminalFile(**TerminalID**, "A\INVENTOR.DAT")

If (Ri <> 0) Then

MsgBox " GetTerminalFile define error "

End If

## GetTerminalFolderSpace Command

**Purpose:** The GetTerminalFolderSpace function retrieves information about the specified disk

**Syntax:** GetTerminalFolderSpace (TerminalID, Folder)

**Argument:** TerminalID:

GetTerminalID (ComPost)

Folder:

(Terminal) Folder =A or B( A=SDRAM,B=Flash ROM)

**Return:** receives a integer value about the specified disk

-8 Terminal object don`t exist,maybe terminal haven`t linked

-7 Drv Params is invalid

-6 time-out

-5 receive buffer error

**None:**

**Example:**

Dim Ri As Integer

Ri = GetTerminalFolderSpace(**TerminalID**, "A")

If (Ri < 0) Then

MsgBox " GetTerminalFolderSpace define error "

End If

## GetTerminalFolderDir Command

**Purpose:** The Dir function returns file system information about Terminal

**Syntax:** GetTerminalFolderDir (TerminalID, Folder)

**Argument:**TerminalID:

GetTerminalID (ComPost)

Folder:

(Terminal) Folder =A or B( A=SDRAM,B=Flash ROM)

**Return:** receives a null-terminated string containing the file system information

example:ASSET.JCL|1500|ASSET.DAT|500(FileName|FileSize)

“-8” Terminal object don`t exist,maybe terminal haven`t linked

“-7” Drv Params is invalid

“-6” time-out

“-5” receive buffer error

**None:**

**Example:**

Dim Ri As Integer

Ri = GetTerminalFolderDir(**TerminalID**, "A")

If (Ri < 0) Then

MsgBox " GetTerminalFolderDir define error "

End If

## GetTerminalFileInformation Command

**Purpose:** Read file system information about Terminal

**Syntax:** GetTerminalFileInformation (TerminalID, Source, Style)

**Argument:** TerminalID:

GetTerminalID (ComPost)

Source:

(Terminal)the name of the file to be sent,include the path of file

Style:

1 = Get File Size

**Return:** receives a null-terminated string containing the file system information

example:Size)

“-8” Terminal object don`t exist,maybe terminal haven`t linked

“-7” Drv Params is invalid

“-6” time-out

“-5” receive buffer error

**None:**

**Example:**

Dim Rs As string

Ri = GetTerminalFileInformation (TerminalID, "A\INVENTOR.DAT",1)

If (Left(Rs,1) = '-') Then

MsgBox " GetTerminalFileInformation define error "

End If

## RemoteDisplay Command

**Purpose:** Show string on Terminal screen.

**Syntax:** RemoteDisplay (TerminalID, MessgeText, Column, Row)

**Argument:**TerminalID:

GetTerminalID (ComPost)

MessgeText:

MessgeText– string set.

Column:

Column – number, range depends on setting mode.

( mode 0: 1-21, mode 1,2,3: 1-16, mode 4,5,6: 1-8 )

Row:

Row - number, range depends on setting mode.

( mode 0,1: 1-8, mode 2: 1-6, mode 3,4,5,6: 1-4)

State - number ( 0: Normal, 1: Reverse )

**Return:** 0 OK

-8 Terminal object don`t exist,maybe terminal haven`t linked

-6 time-out

-5 receive buffer error

**None:**

**Example:**

Dim Ri As Integer

Ri = RemoteDisplay(**TerminalID**, **"\*MessageText"**,1,1,0)

If (Ri < 0) Then

MsgBox " RemoteDisplay define error "

End If

## SetTerminalBeep Command

**Purpose:** Speaker tone and duration setting.

**Syntax:** SetTerminalBeep (TerminalID, Tone, Duration)

**Argument:**TerminalID:

GetTerminalID (ComPost)

Tone:

number(0-255).

Duration:

number(0-59).

**Return:** 0 OK

-8 Terminal object don't exist,maybe terminal haven't linked

-6 time-out

-5 receive buffer error

**None:**

**Example:**

Dim Ri As Integer

Ri = SetTerminalBeep (**TerminalID**, 10,10)

If (Ri < 0) Then

MsgBox " SetTerminalBeep define error "

End If

## SetTerminalKeypad Command

**Purpose:** Setting Terminal Keypad Disable/Enabled.

**Syntax:** SetTerminalKeypad (TerminalID, State)

**Argument:** TerminalID:

GetTerminalID (ComPost)

State:

0- UNLOCK\_KEYPAD

1-. LOCK\_KEYPAD

**Return:** 0 OK

-8 Terminal object don`t exist,maybe terminal haven`t linked

-6 time-out

-5 receive buffer error

**None:**

**Example:**

Dim Ri As Integer

Ri = SetTerminalKeypad (**TerminalID**, 1)

If (Ri < 0) Then

MsgBox " SetTerminalKeypad define error "

End If

## SetTerminalLight Command

**Purpose:** Settings Terminal's light color

**Syntax:** SetTerminalLight (TerminalID, State)

**Argument:**TerminalID:

GetTerminalID (ComPost)

State:

0- dark

1- green light

2- red light

3- red light/ green light

**Return:** 0 OK

-8 Terminal object don't exist,maybe terminal haven't linked

-6 time-out

-5 receive buffer error

**None:**

**Example:**

Dim Ri As Integer

Ri = SetTerminalLight (**TerminalID**, 2)

If (Ri < 0) Then

MsgBox " SetTerminalLight define error "

End If

## QuitHostLink Command

**Purpose:** Disable the connecting between the Terminal and Hos(PC).

**Syntax:** QuitHostLink ( TerminalID)

**Argument:**TerminalID:

GetTerminalID (ComPost)

**Return:** 0 OK

-6 time-out

-2 terminal return NAK packet

-8 Terminal don`t exist, maybe terminal haven`t linked.

**None:**

**Example:**

```
Dim Ri As Integer
```

```
    Ri = QuitHostLink(TerminalID)
```

```
    If (Ri <> 0) Then
```

```
        MsgBox " QuitHostLink define error "
```

```
    End If
```

## QuitTerminalAP Command

**Purpose:** Ending Terminal AP

**Syntax:** QuitTerminalAP (TerminalID)

**Argument:** TerminalID:

GetTerminalID (ComPost)

**Return:** 0 OK

-8 Terminal object don't exist,maybe terminal haven't linked

-6 time-out

-5 receive buffer error

**None:**

**Example:**

```
Dim Ri As Integer
```

```
    Ri = QuitTerminalAP (TerminalID,)
```

```
    If (Ri < 0) Then
```

```
        MsgBox " QuitTerminalAP define error "
```

```
    End If
```