

CC Pilot™ XS

MiscPortIO API description



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Introduction

Purpose

This document describes the software interface to the MiscPortIO API.

References

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History

Rev	Date	Author	Remarks
1.0	08-04-15	Lars Gustafsson	First version.
1.1	2008-06-26	Tobias Andersson	Minor changes

MiscPortIO Services

The MiscPortIO API enables access to the three digital IO-pins of the Misc port of the CC Pilot XS. There are 3 possible configurations of the CC Pilot XS. The first one has no IO-pins. The second one has two IO-pins and the third one has three IO-pins. If you try to read any of the pins 6, 7, 8 of the Misc-port which are not IO-pins you will consistently get the same reading every time.

Summary of interface functions.

MiscPortIOConnect	Connects to the IO-Port. You only need to call this function once.
MiscPortIORead	Reads out the value of the IO-channel specified by the input parameter "channel".

MiscPortIOConnect

Description

MiscPortIOConnect has to be called before trying to read the value of a pin with MiscPortIORead. You don't have to call MiscPortIOConnect before every reading attempt. It should only be called once.

Include files

```
#include "MiscPortIO.h"
```

Syntax

```
extern "C" __declspec(dllexport)
short __stdcall MiscPortIOConnect()
```

Parameters

-

Return value

1 means success. 0 means failure.

Restrictions (Windows 2000/XP)

-

Restrictions (Windows CE)

-

Example

-

MiscPortIORead

Description

Reads the IO-pin specified by the input parameter.

Include files

```
#include "MiscPortIO.h"
```

Syntax

```
extern "C" __declspec(dllexport)  
short __stdcall MiscPortIORead(short channel)
```

Parameters

channel Specifies which channel to use. Possible values are 1, 2 and 3.

Return value

1 - IO-pin pulled high (+24 volt) or is left unconnected.

0 - IO-pin pulled low (GND)

Observe that the IO-pins are internally pulled up, so the default value is 1.

Restrictions (Windows 2000/XP)

-

Restrictions (Windows CE)

-

Example

```
short ch1;  
MiscPortIOConnect();  
ch1=MiscPortIORead(1);
```

Configuration common

Summary of common configuration values

Name: ¹⁾	Type:	Description:

¹ Values in bold are required.

Configuration (Windows 2000/XP)

Summary of Windows 2000/XP configuration values

Name:	Type:	Description:

Configuration (Windows CE)

Summary of Windows CE configuration values

Name: ²⁾	Type:	Description:

² Values in bold are required