



PMDK

Quick Start

Language
Version
Date

English
V1.0
2010/1/26

1

Included items

- One PMDK card (and some optional cables and daughter board)
- One software installation CD (2010/1/26 or newer)
- One Quick Start Guide (this document)

2

Install Windows drivers

1. Please execute **PMDKsetup.exe** which is locate in **CD:\PMDK\setup\WinXP\PMDKsetup.exe**



This windows driver only support Windows XP/NT version

2. Follow the instructions shown on the screen and complete the installation.

3 Hardware installation

Following steps below to install card:

1. Turn off computer power
2. Open the cover of computer case
3. Choose an unused PCI slot
4. Plug the PMDK card into this slot carefully and use a screw to fix it
5. Install the cover back
6. Turn on the power supply

Start the computer and enter Windows operation system, the system will execute the **Plug&Play** driver. After the driver is installed, PMDK is ready for testing.

4

Pin assignments

Please refer to the user manuals of PMDK and its daughter boards.

5

Self test

➤ PMDK

1. Configuration:

- Daughter board (optional). For example, DN-8368M)
- DC 24V power supply. For example, DP-665(optional)
- Servo motors and drives (optional). For example, MITSUBISHI J2S series)

2. Connect the PMDK card and its daughter boards with cables.

3. Supply +24V power to daughters by connecting the E24V and EGND of power supply to the daughter boards.

4. Execute the Sample01.exe on PC. This program is locate at

C:\PMDK\Utilities\Sample01.exe

5. Referring to the Fig. 1, the **Interrupt Count** will keep

counting up. If the drives and motors are not wired to the PMDK card, users can test the read/write of DPRAM. CMD code = 0x2504 is used to clear LP (logical position) and EP (encoder position). Press Exec CMD button while CMD code = 0x2504 to test if the action is OK or not.

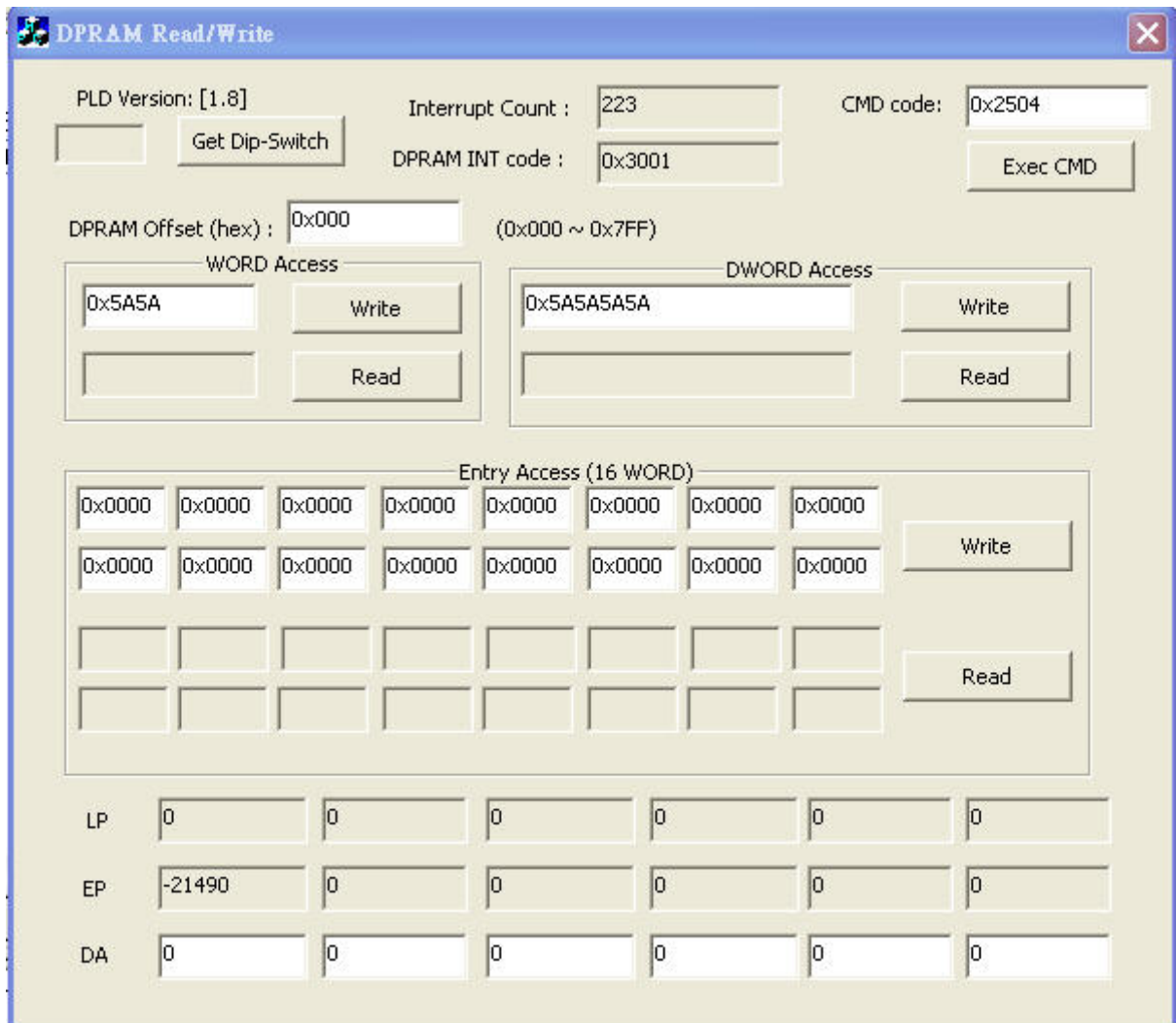


Fig. 1

6. If the DN-8368 is wired to daughter board, change the DA value and measure the output at the daughter board to verify the DA function. The steps are as follows: a) set the DA2 to be 2; b) write 0x2505 to CMD code; c) press Exec CMD button. Use a voltage meter to check if the DA2 is outputting around 2.0 Volt.

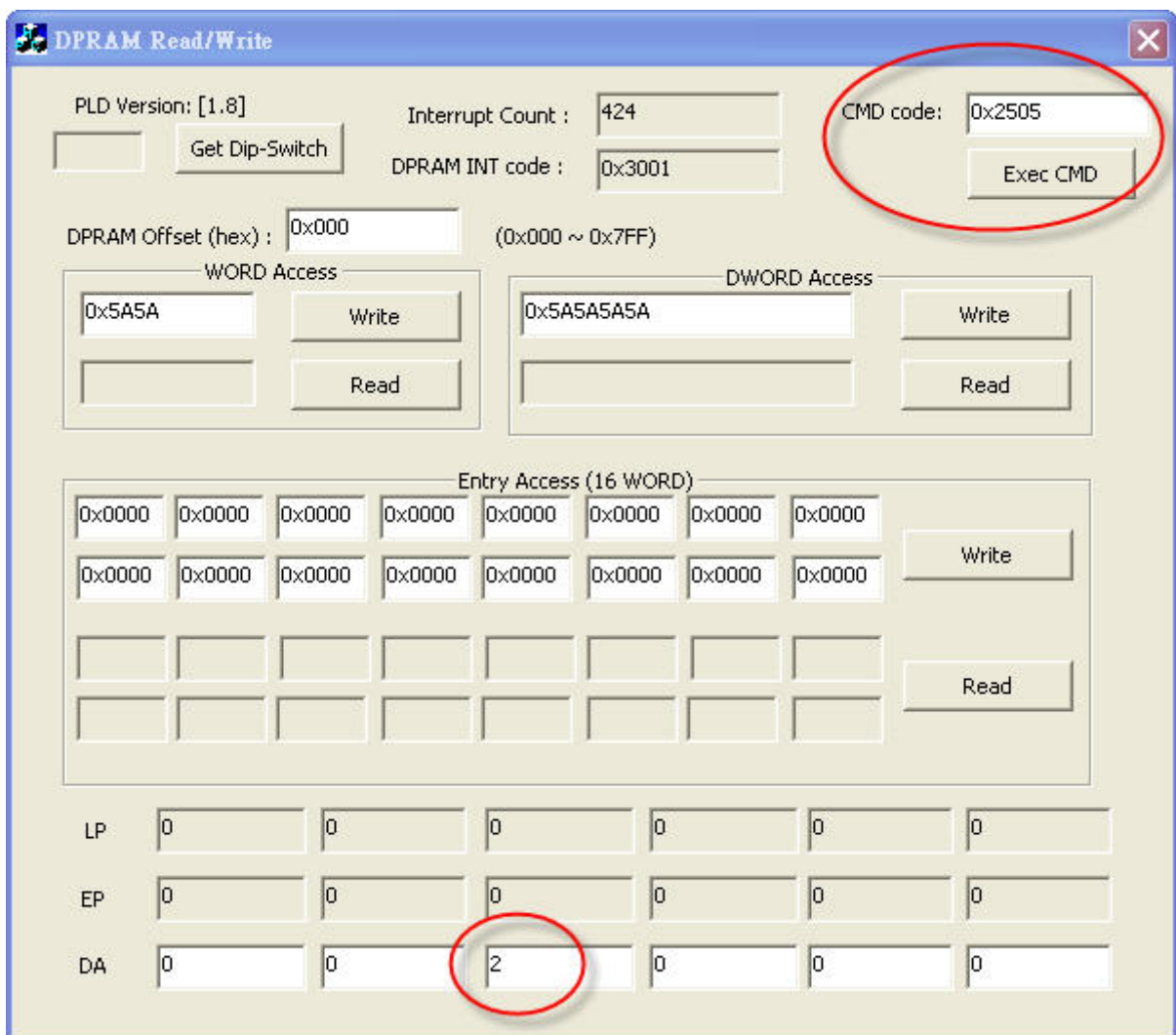


Fig. 2

6

Reference Information

✓ **PMDK website:**

http://www.icpdas.com/products/DAQ/pc_based/pmdk.htm

✓ **Optional Accessories website:**

http://www.icpdas.com/products/DAQ/screw_terminal/dn-8368.htm

http://www.icpdas.com/products/DAQ/screw_terminal/dn_20m.htm

✓ **Manuals:**

CD:\PC_Base\PCI\PMDK\Manual

http://www.icpdas.com/products/motion/download%20data/Motion_download_PMDK.htm

✓ **Related products:**

http://www.icpdas.com/products/motion/download%20data/Motion_download_PMDK.htm

(Note: the Motion_download_PCbased has underscore characters.)

The main website of ICP DAS:

<http://www.icpdas.com>



contact method

Service@icpdas.com

- Professional technical support
- Agents and ordering information
- Enhancing device functions
- Q and A
- Application Examples

Copyright ©2009 by ICP DAS Co., Ltd. All right are reserved