Command Line of Dediware

Version 1.0

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I. Introduction

The command line has been designed to control DediProg programmer from the other software, which will be a convenient feature for production. (For example: Automatically program Flash or MCU via the automatic test equipment after the hardware has been checked).

Command result "dwcmd-YYYY-M-D.log" file will be automatically saved under the following folder:
C:\DediLog
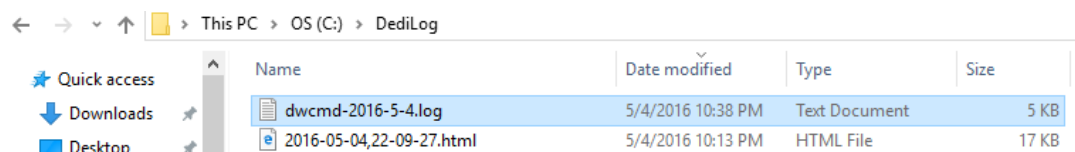
II. Conditions and Limitations

2.1 Programmer

Command line is only supported on the StarProg series programmer, including StarProg-F/U/ATE.

2.2 IC Type and Methods

✓ **Run Project from SD-card**: This method does not support eMMC, NAND and Parallel NOR Flash.
Execute the command line " –download-prj" to download the project file to the programmer's embedded SD card, and then run the project via the command line(--run-prj). This method supports programming the **same project** on **multiple programmers** at the **same time**.

✓ **Run Project in USB Mode**: This method supports All IC types.
Execute the command line "—usb-prj" to run the project via USB directly. This method only supports **one** programmer.

2.3 Limitations

◆ Not able to program different projects at the same time (Via SD card)
◆ Not able to support different programmers on the same computer.
◆ Not able to support ProgMaster programmer.

III. How to start

Since the command line only supports Project file, so please create a Project file (*dprj) in Dediware before executing the command line. Windows dos command line software is executed by the file "dwcmd.exe." There are three different ways to run the dos command line.
1. Double click the "dwcmd" icon on your desktop, type in dwcmd and press enter.

2. Change your dos directory to the same location where "dwcmd.exe" is located. c:\Program Files (x86)\Dediprog\Client

IV. Command List

```
DediWare_CLI
The system cannot find the path specified.

DWCmd 3.7.30 Engine Version:
Last Built on Apr 21 2016

Basic Usages:
dwcmd -d xxx
dwcmd -r
dwcmd --usb-prj xxx
Basic Switches:
(Please keep space between the switches and parameters.
E.g. 'dwcmd -u bio.dprj')
  -? [ --help ]              show this help message
  -d [ --download-prj ] arg  download project file to StarProg embedded SD card and read back to compare.
                             note: download project can NOT work with eMMC, NAND and perallel NOR flash
  -r [ --run-prj ]           run the project file which exist in StarProg embedded SD card.
                             note: run project can NOT work with eMMC, NAND and perallel NOR flash
  --usb-prj  arg             execute project file directtly, work with on programmer only and work with all chips
                             (Default programmer is connected to USB0)
  -f [ --finfo ] arg         display the project file infomation

Optional Switches that add fine-tune ability to Basic Switches:
  --blink arg
                             - 0 : Blink LEDs 3 times from USB1 to USBn (Default)
                             note: the sequence is assigned by OS during USB plug-in
                             - 1: Blink the programmer connected to USB1 3 times.
                             - n: Blink the programmer connected to USBn 3 times.
  --device arg               (work with all Basic Switchs)
                             1: activate only the programmer connected to USB1
                             - n: activate only the programmer connected to USBn
                             note: if '--device' is not used, the command will
                                   be executed on all connected programmer.

  --fix-device arg           Fix programmer serial number with programmer sequence.
                             - instructions must be enclosed in double quotation marks("")
                             Example:
                              dwcmd --fix-device "1 SPU000001"
  --list-device-id arg
                             - 0 : List all ID of programmers from USB1 to USBn (Default)
                             note: the sequence is assigned by OS during USB plug-in.
                             - 1: Prompt the device ID of programmer connected to USB1.
                             - n: Prompt the device ID of programmer connected to USBn.

Miscellaneous options:
  -t [ --timeout ] arg (=600)  Timeout value in seconds
  -i [ --silent ]            supress the display of real-time timer counting
                             - used when integrating with 3rd-party tools(e.g. IDE)
  --log arg                  write operation result into a file(Default is located C:\DediLog\dwcmd-xxxxx.log)
                             Example:
                              dwcmd --usb-prj d:\test.dprj --log d:\result.txt
```

Command	Descriptions
Basic Switches:	
-? [--help]	Show help message
-d [--download-prj] arg	Download project file to StarProg embedded SD card and read back to compare. Note: Download project CANNOT support eMMC, NAND and parallel NOR flash
-r [--run-prj]	Run the project file from the StarProg embedded SD card. Note: Run project CANNOT support eMMC, NAND and parallel NOR flash
--usb-prj arg	Execute project file directly; it is able to work with all chips (Default programmer is connected to USB0)
-f [--finfo] arg	Display the project information
Optional Switches that add fine-tune ability to Basic Switches:	
--blink arg	- 0 : Blink LEDs 3 times from USB1 to USBn (Default) Note: The sequence is assigned by OS during USB plug-in - 1: Blink the programmer connected to USB1 3 times. - n: Blink the programmer connected to USBn 3 times.

--device arg	(Work with all Basic Switches) - 1: Activate only the programmer connected to USB1 - n: Activate only the programmer connected to USBn Note: If '--device' is not used, the command will be executed on all connected programmer.
--fix-device arg	Fix programmer serial number with programmer sequence. - Instructions must be enclosed in double quotation marks("") Example: dwcmd --fix-device "1 SPU000001"
--list-device-id arg	- 0 : List all programmers' ID from USB1 to USBn (Default) Note: The sequence is assigned by OS during USB plug-in. - 1: Prompt the device ID of programmer connected to USB1. - n: Prompt the device ID of programmer connected to USBn.
Miscellaneous options:	
-t [--timeout] arg (=600)	Timeout value in seconds
-i [--silent]	Suppress the display of real-time timer counting - Used when integrating with 3rd-party tools(e.g. IDE)
--log arg	Write operation result into a file(Default is located under C:\DediLog\dwcmd-xxxxx.log) Example: dwcmd --usb-prj d:\test.dprj --log d:\result.txt

> **Note:**
> Windows Command Line <u>does not</u> support ProgMaster series.

Usage Examples:

1. dwcmd -d file.dprj -r
   Download project file to StarProg and run it.

2. dwcmd -r
   Run project from the StarProg embedded SD card.

3. dwcmd --usb-prj file.dprj
   Execute project file via USB.

4. dwcmd --usb-prj file.dprj --device 1
   Execute Programmer 1 project file.

5. dwcmd -d file.dprj --device 1
   Download project file to programmer 1

6. dwcmd -r --device 1
   Execute project file

7. dwcmd -d file.dprj -r --device 2
   Download project file to StarProg and run the project file on programmer 2.

8. dwcmd -d file.dprj -r --log d:\result.txt
   Download project file to StarProg and save the operation result to d:\result.txt.

V. Revision History

Date	Version	Changes
05/11/2016	1.0	Initial release

DediProg Technology Co., Ltd

- Taiwan Headquarter   TEL: 886-2-2790-7932   FAX: 886-2-2790-7916
  4F., No.7, Ln. 143, Xinming Rd., Neihu Dist., Taipei City 114, Taiwan

- Shanghai Office   TEL: 86-21-5160-0157   FAX: 86-21-6126-3530
  Room 503, Block E, No.1618, Yishan Road, Shanghai, China

  Technical Support：**support@dediprog.com**

  Sales Support：**sales@dediprog.com**
  www.dediprog.com