

# CUPOWER

BORN TO BE LIGHT.



## Instruction manual Inline programming

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## 1. Summary

The SW "CU-Power\_CMD\_Config\_Multi\_Drivers.exe", which is for configure CU Power NFC drivers. Use command line to run the SW, the SW will return a result, to indicate success or other error state (will introduce below).

名称	修改日期	类型	大小
CU-Power_CMD_Config_Multi_Drivers.exe	2023/4/9 9:20	应用程序	79 KB
DALI_NFC 75W AOC 360ma_Template.xml	2023/4/9 11:20	XML 文档	5 KB
fecom.dll	2019/11/14 23:47	应用程序扩展	316 KB
fefu.dll	2019/11/14 23:47	应用程序扩展	89 KB
feisc.dll	2019/11/14 23:47	应用程序扩展	618 KB
fetcl.dll	2019/11/14 23:47	应用程序扩展	261 KB
fetcp.dll	2019/11/14 23:47	应用程序扩展	265 KB
feusb.dll	2019/11/14 23:47	应用程序扩展	326 KB
libeay32.dll	2019/11/14 23:47	应用程序扩展	1,152 KB
mfc110.dll	2019/11/14 23:47	应用程序扩展	4,318 KB
mfc110u.dll	2019/11/14 23:47	应用程序扩展	4,353 KB
msvcp110.dll	2019/11/14 23:47	应用程序扩展	523 KB
msvcr110.dll	2019/11/14 23:47	应用程序扩展	855 KB
OBIDISC4NET.dll	2019/11/14 23:47	应用程序扩展	479 KB
OBIDISC4NET_API.dll	2019/11/14 23:47	应用程序扩展	296 KB
OBIDISC4NETnative.dll	2019/11/14 23:47	应用程序扩展	3,636 KB

Applicable systems: win7/win10/win11.

Applicable USB devices: Supports multiple USB devices (FEIG), each FEIG can be connected to multiple tags (drivers). Currently several prototypes are supported.

## 2. How to use "CU-Power\_CMD\_config\_Multi\_Drivers.exe"

- (1) Open command windows, as shown below.
- (2) Go to the address where "CU-Power\_CMD\_config\_Multi\_Drivers.exe" is put.
- (3) Go to the address where the target XML file is put.

For example:

Run the program:

```
D: \Workspace\CU-Power_CMD\CU-Power\bin\Debug\CU-Power_CMD_config_Multi_Drivers.exe
```

```
"C: \temporary\DALI_NFC 75W AOC 360ma_Template.xml" "C:\temporary\ 100W 200mA  
700mA DALI NFC eeprom corridor.xml"
```

CMD line will echo:

Parameters parse finished!

FEIG 1 start to configure!

FEIG 1 configure success!

Parameters parse finished!

FEIG 2 start to configure!

FEIG 2 configure success!

2024-04-01 09:58:37 615 all success

Note: Please use absolute XML address as parameters.

If the XML name or folder name have space in them, please use " " to contain the address, like this "C: \temporary\DALI\_NFC 75W AOC 360ma\_Template.xml".

Note: The "0" is the return result, which mean "Success" (result meaning descript below this document).

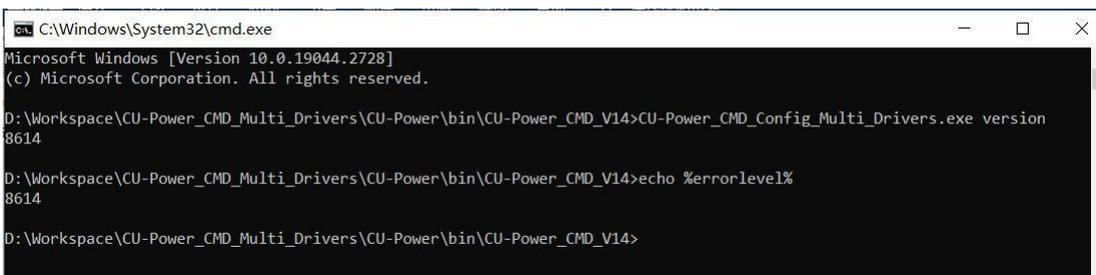
Note: This is just an example, the result can put into a file and read out from file, or other way to get the result.

### 3. Other information

#### (1) How to view version

##### a. one XML file

Here use a command parameter "version". The interface is shown below.



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.2728]
(c) Microsoft Corporation. All rights reserved.

D:\Workspace\CU-Power_CMD_Multi_Drivers\CU-Power\bin\CU-Power_CMD_V14>CU-Power_CMD_Config_Multi_Drivers.exe version
8614

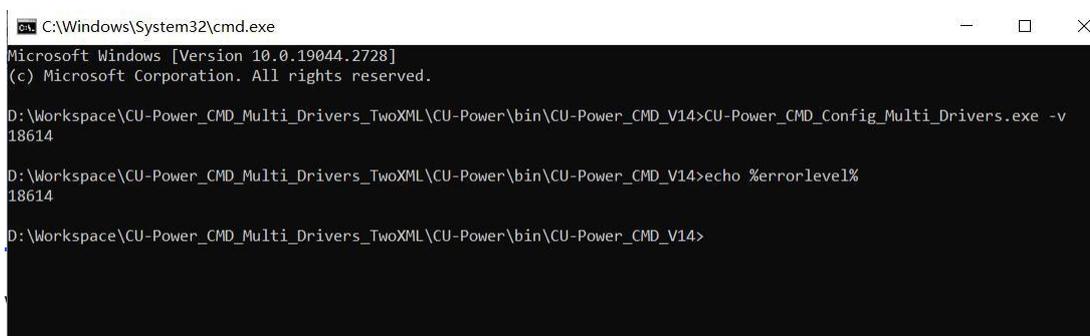
D:\Workspace\CU-Power_CMD_Multi_Drivers\CU-Power\bin\CU-Power_CMD_V14>echo %errorlevel%
8614

D:\Workspace\CU-Power_CMD_Multi_Drivers\CU-Power\bin\CU-Power_CMD_V14>
```

Here 8614 is the version, which means V14.

##### b. Two XML file

Here use a command parameter "-v". The interface is shown below.



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.2728]
(c) Microsoft Corporation. All rights reserved.

D:\Workspace\CU-Power_CMD_Multi_Drivers_TwoXML\CU-Power\bin\CU-Power_CMD_V14>CU-Power_CMD_Config_Multi_Drivers.exe -v
18614

D:\Workspace\CU-Power_CMD_Multi_Drivers_TwoXML\CU-Power\bin\CU-Power_CMD_V14>echo %errorlevel%
18614

D:\Workspace\CU-Power_CMD_Multi_Drivers_TwoXML\CU-Power\bin\CU-Power_CMD_V14>
```

Here 8614 is the version, which means V14.

## (2)Return message

The return message is like this:

```
public enum FlashReturnResult
{
    Success, //0
    Not_Success, //1
    Incorrect_parameter, //2
    XML_File_Not_Exist, //3
    Parse_XML_Failed, //4
    Connect_FEIG_Failed, //5
    Tag_Not_Found, //6
    Driver_Type_Notmatch, //7
    Driver_Sub_Type_incorrect, //8
    Parse_AOC_Failed, //9
    AOC_Out_Of_Range, //10
    Parse_ZTV_Failed, //11
    ZTV_Out_Of_Range, //12
    Parse_CLO_Failed, //13
    CLO_Out_Of_Range, //14
    CLO_Time1_Not_Zero, //15
    CLO_Time_Not_Increase, //16
    Parse_DCEmergency_Failed, //17
    DCEmergency_Out_Of_Range, //18
    Parse_LampOnTime_Failed, //19
    LampOnTime_Out_Of_Range, //20
    Parse_DALI_MDL_Failed, //21
    DALI_MDL_Out_Of_Range, //22
    Parse_TunableWhite_Failed, //23
    TunableWhite_Out_Of_Range, //24
    Parse_DALI_Addresssing_Failed, //25
    DALI_ShortAddress_Out_Of_Range, //26
    DALI_GroupAddress_Out_Of_Range, //27
    Parse_DALI_Setting_Failed, //28
    DALI_Setting_Out_Of_Range, //29
    Parse_Corridor_Failed, //30
    Corridor_Out_Of_Range, //31
    FEIG_Number_Incorrect //32
};
```

Note: 0 means success, 1 means not success, if return message is not 0, please use the info to find cause.

## (3)Return message log.

There is a txt file "ReturnLog.txt" in the "C:\Programdata", which log the date time and program result, recode each time run "CU-Power\_CMD\_config\_Multi\_Drivers.exe". It will record the operation results and other information as below.

```

ReturnLog.txt - 记事本
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)
2022-03-19 03:43:02 786 : Success
2022-03-19 03:43:53 436 : Success
2022-03-19 03:44:48 061 : Success
2022-03-19 03:44:56 652 : Success
2022-03-19 03:45:02 972 : Success
2022-03-19 03:45:10 630 : Success
2022-03-19 03:45:18 725 : Success
2022-03-19 03:45:26 152 : Success
2022-03-19 03:45:34 725 : Not_Success
2022-03-19 03:45:57 886 : Driver_Type_Notmatch
2022-03-19 03:46:12 794 : Success
2022-03-19 03:46:21 039 : Connect_FEIG_Failed
2022-03-19 03:46:36 695 : Tag_Not_Found
2022-03-19 03:46:45 302 : Success
2022-03-19 03:46:54 013 : Connect_FEIG_Failed
2022-03-19 03:47:03 981 : Tag_Not_Found
2022-03-19 03:47:11 621 : Success
2022-03-19 03:47:19 586 : Success
2022-03-19 03:47:26 743 : Success
2022-03-19 03:47:33 923 : Success
2022-03-19 03:47:39 393 : Success
2022-03-19 03:47:45 376 : Success

```

第 77 行, 第 34 列    100%    Windows (CRLF)    UTF-8

## 4. Device type and driver type

Supported driver	Driver_type	Driver_sub_type
ID LCCB 100/230/200-700 DALI NFC FV1	DALI-NFC	1
ID LCCB 75/230/050-400 DALI NFC FV1	DALI-NFC	2
ID LCCB 36/230/050-400 DALI NFC FV1	DALI-NFC	3
ID LCCB 150/230/200-900 DALI NFC FV1	DALI-NFC	4
ID LCCB 35/230/100-850 DALI NFC FV1	DALI-NFC	5
ID LCCB 50/230/350-1400 DALI NFC FV1	DALI-NFC	6
ID LCCB 75/230/700-2000 DALI NFC FV1	DALI-NFC	7

ID LCCB 100/230/900-2200 DALI NFC FV1	DALI-NFC	8
ID CCCB 20/230/150-500 DT8 NFC FV1	DALI-NFC	9
ID SCCI 44/230/300-1050 DALI NFC FV1	DALI-NFC	10
ID LCCB 40/230/250-1050 DALI NFC FV1	DALI-NFC	11
ID LCCB 60/230/500-1650 DALI NFC FV1	DALI-NFC	12
ID LCCB 100/230/200-700 DALI NFC IND FV1	DALI-NFC	13
ID LCCB 75/230/125-550 DALI NFC IND FV1	DALI-NFC	14
ID LCCB 300/230/250-1600 DALI NFC IND FV1	DALI-NFC	15
ID CCCB 40/230/150-1050 DALI NFC FV1	DALI-NFC	16
ID CCCB 30/230/350-850 DT8 NFC FV1	DALI-NFC	17
ID CCCB 44/230/500-1050 DT8 NFC FV1	DALI-NFC	18
ID CCCB 40/230/300-1050 BH30 NFC FV1	DALI-NFC	19
ID LCCB 150/230/200-900 DALI NFC IND FV1	DALI-NFC	20
ID ELNCB 36/230/075-400 DT8 NFC	DALI-NFC	21
ID ELNCB 75/230/150-700 DT8 NFC	DALI-NFC	22
ID ELNCB 110/230/100-900 DT8 NFC	DALI-NFC	23
ID LCCB 75/230/050-400 B NFC FV1	DALI-NFC	24
ID LCCB 40/230/100-1050 DT8 NFC FV1	DALI-NFC	25
ID LCCB 50/230/350-1400 DT8 NFC FV1	DALI-NFC	26
ID LCCB 75/230/500-2000 DT8 NFC FV1	DALI-NFC	27
ID LCCB 110/230/800-2400 DT8 NFC FV1	DALI-NFC	28
ID CCCB 60/230/700-1500 DT8 NFC FV1	DALI-NFC	29
CU CCCB 50/120-277/100-1400 NFC AUS J	DALI-NFC	30

ID LCCB 75/230/050-500 DALI NFC FV1	DALI-NFC	31
ID LCCB 100/230/200-800 DALI NFC FV1	DALI-NFC	32
XZ-DF54B-540140-AB	DALI-NFC	33
ID ECSCB 60/230/700-1500 DT6 NFC	DALI-NFC	34
ID ECSCB 28/230/150-700 DALI NFC	DALI-NFC	35
ID ECSCB 42/230/300-1050 DALI NFC	DALI-NFC	36
XZ-DF54B-540140-BB	DALI-NFC	37
ID ECSCB 15/230/150-550 DALI NFC	DALI-NFC	38
ID ECSCI 28/230/100-700 DALI NFC	DALI-NFC	39
ID ECSCI 42/230/300-1050 DALI NFC	DALI-NFC	40
ID ECSCB 14/230/100-550 D4i NFC OUT	DALI-NFC	41
ID ECSCB 24/230/150-1050 D4i NFC OUT	DALI-NFC	42
ID ECSCB 40/230/150-1050 D4i NFC OUT	DALI-NFC	43
ID ECSCB 75/230/150-1050 D4i NFC OUT	DALI-NFC	44
ID ECSCB 110/230/150-1050 D4i NFC OUT	DALI-NFC	45
ID ECSCB 165/230/150-1050 D4i NFC OUT	DALI-NFC	46
ID ECSCB 200/230/150-1050 D4i NFC OUT	DALI-NFC	47
ID ECNCB 300/230/250-1600 DALI NFC	DALI-NFC	48
ID ELNCB 60/230/350-700 DT8 NFC	DALI-NFC	49
ID ULNCB 54/120-277/150-1400 DT8 NFC	DALI-NFC	50
ID ULNCB 54/120-347/150-1400 DT8 NFC	DALI-NFC	51
XZ-SZ50N	NFC-A	1
ID ELNCB 75/230/125-550 NFC IND	NFC-A	2

ID ELNCB 100/230/200-700 NFC IND	NFC-A	3
ID ELNCB 150/230/200-900 NFC IND	NFC-A	4
ID ELNCB 300/230/250-1600 NFC IND	NFC-A	5
ID LCCB 75/230/150-500 0-10V NFC FV1 B	NFC-A	6
ID LCCB 100/230/250-800 0-10V NFC FV1 B	NFC-A	7
ID LCCB 75/230/150-500 0-10V NFC FV1 A	NFC-A	8
ID LCCB 100/230/250-800 0-10V NFC FV1 A	NFC-A	9
ID ULNCB 54/120-277/150-1400 BLE NFC CA	NFC-A	10
ID ULNCB 54/120-347/150-1400 BLE NFC CA	NFC-A	11
ID ULNCB 54/120-277/150-1400 BLE TW NFC CA	NFC-A	12
ID ULNCB 54/120-347/150-1400 BLE TW NFC CA	NFC-A	13
ID ULNCB 54/120-277/150-1400 DMX TW NFC	NFC-A	14
ID ULNCB 54/120-347/150-1400 DMX TW NFC	NFC-A	15
ID ULSCB 50/120-277/600-1200 CASAMBI NFC	NFC-A	16
ID LCCB 100/230/250-700 NFC FV1	NFC-B	1
ID LCCB 75/230/120-400 NFC FV1	NFC-B	2
ID LCCB 36/230/120-400 NFC FV1	NFC-B	3
ID LCCB 35/230/100-850 NFC FV1	NFC-B	4
ID LCCB 50/230/350-1400 NFC FV1	NFC-B	5
ID LCCB 75/230/700-2000 NFC FV1	NFC-B	6
ID LCCB 100/230/900-2200 NFC FV1	NFC-B	7
ID SCCI 44/230/300-1050 NFC FV1	NFC-B	8

## 5. Matters need attention

- (1) When configuring multiple drivers of different models at the same time, multiple USB devices should be connected.
- (2) Multiple drivers can be programmed to a single USB device at the same time, but they must be of the same model.



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