

A Beginner's Guide to DGUS V7.641

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1 Gray word font

It is created using software Gray word library generator from DWIN. It has greater experience than 0 word font. For gray word font we have to use 8bit encapsulation.

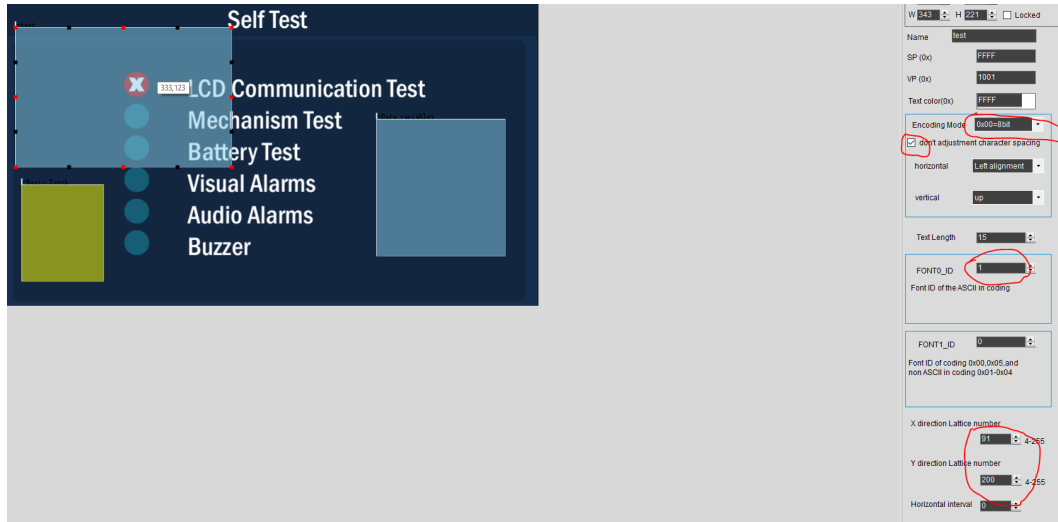


Figure 1: This picture shows necessary setting.

Encoding Mode	Explanation	Where to generate
0x00 8Bit Code	Utmost 256 characters in the font ID	Gray world library in the software page
0x01 GB2312	Chinese Internal Code	Font Generator
0x02 GBK	Chinese extended internal code or Korean HANGUL code	Font Generator; 0 # Word Bank Generating
0x03 BIG5	Traditional Chinese code	Font Generator
0x04 SJIS	Japanese code	Font Generator
0x05 UNICODE	UNICODE SCOPE (UTF16)	Font Generator

Figure 2: This picture encoding settings.

2 data send serially

Note: First of all enable Touch variable automatic upload 1=On from system configuration. This is needed to send data from Syncrodata return and return key code functions of DGUS software

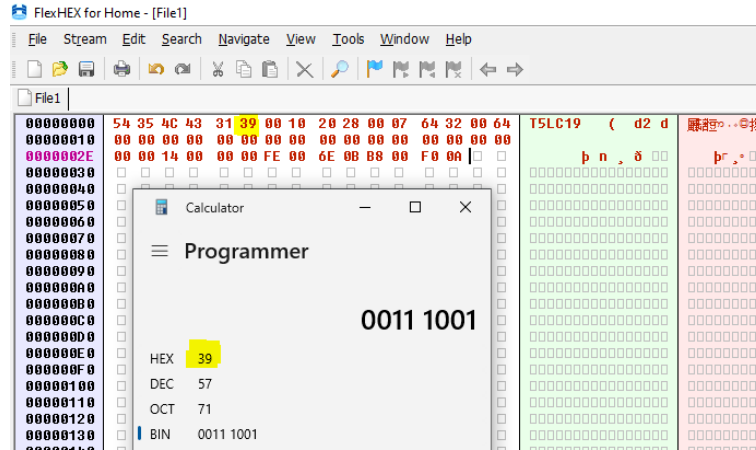


Figure 3: auto Upload commmand

following image shows the command through which data can be send/receive from MCU.

Following command will change the page. (it will make use of system variable)

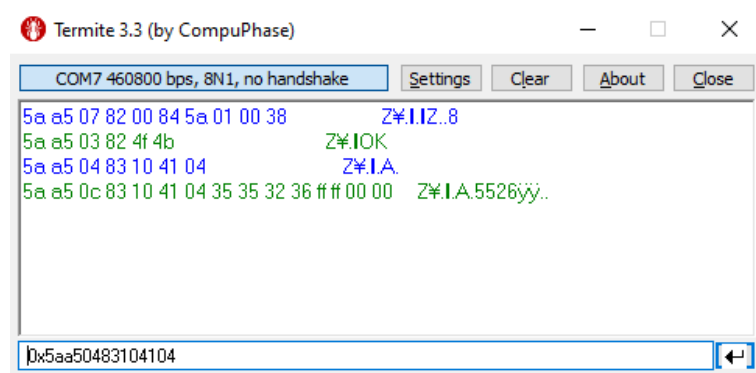


Figure 4: send/receive from MCU command (Data received is : 5523)

3 page change from synchrodata return

Page can be changed from synchodata return. see the below image.

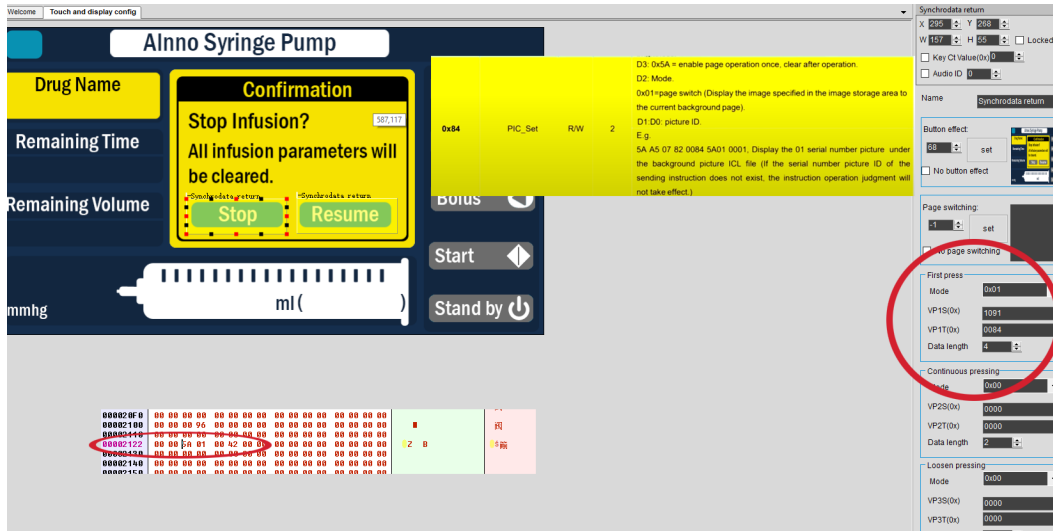


Figure 5: pageChageCommand

4 Save variable in Nor Flash

Address of nor flash, it must be an even number, the range is 0x000000 - 0x027FFE, and then one address corresponds to 2 bytes, that is the total capacity is 320KB.

for NOR flash database site

Each ID corresponds to 2KWords memory with ID range of 0 - 79. The database is located in on-chip NOR FLASH of 160KWords (320 KB). It can be used to save user data or DWIN OS program library files.

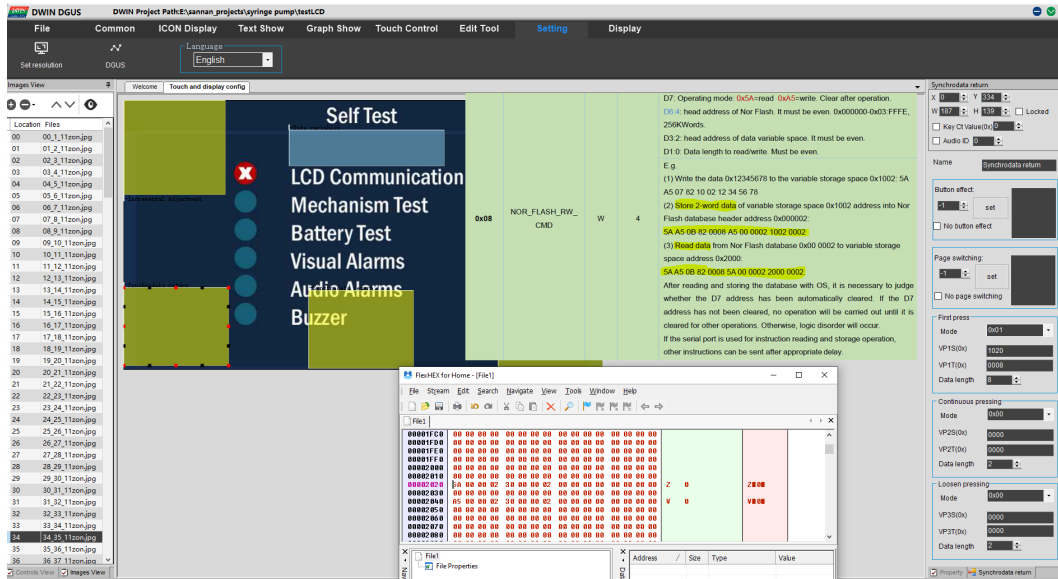


Figure 6: NorFlash