

LCM-2X16 HowTo

- display 2 lines of characters at the same time

I. Display characters in one line:

Command format:

CMD_LCM_WRITE_MSG:	0x55	
Signature:	0xB5	(1 byte)
TAG:	0x01	(1 byte)
Length:	N+2	(1 byte)
Comamnd:	0x55	(1 byte)
Line:	0/1/2	(1 byte)
String:	...	(N bytes)
Checksum:	...	(1 byte)

So to display DiMeda cmd 55 in line 2, program shall send [b5] [01] [08] [55] [01] ['D'] ['i'] ['M'] ['e'] ['d'] ['a'] [38]...

```
send_command(fd, "\xb5\x01\x08\x55\x01\x44\x69\x4d\x65\x64\x61\x38", 12 );  
printf( "display DiMeda in line 2\n" );
```

II. Display characters in 2 lines at the same time

There are two lines for the LCM module, and each line can display 16 characters. If you want the first line to stay when you send something to the second line, you have to do the following.

For example: to show "ABCD" on the first line and "WXYZ" on the second line!

Send "ABCD" using line parameter 0X00. Then send "ABCD-----WXYZ" using line parameter 0X02.

Please note there are 12 spaces because there are 16 characters per line.

