How to make font library and download it into display module

This file aims to describe how to make and download ASCII 24*48 into the display module. Take ASCII 24*48 for example.

1. To make font file for ASCII 24*48



- 1. Select font as your requirement. For example: Arial, bold, 20.
- 2. Select coding type "Unicode".
- 3. Select shape of bitmap "Not square".
- 4-5. Confirm the size of bitmap 24*48.
- 6-7. Input starting code and ending code 0x0000 0x00FF, which is the corresponding code of ASCII in Unicode.
- 8. Click "Create".
- 9. Save the .dzk file.

2. Perform handshake

2.1 Connect the display module with power & PC serial port



2.2 Open Terminal Assistant

- 1. Open "Terminal Assistant" and select the right resolution 320*240.
- 2. Click _____, then the window of Serial Control will appear.
- 3. Select the appropriate serial port.
- 4. Select the appropriate baud rate. The default baud rate is 115200BPS.
- 5. Click "Open" to open serial port.
- 6. Click "Handshake". In case the following window appears, it means the handshake operation is successful.





3. Download the .dzk file into the display module and save ASCII 24*48 as font library 0x01.

	Text
	Standard font
	O Font: 8X8 ASCII Coordination: 0,0
	Extension font
	Sequence number: 0x 0 🛞 Coordination: 0,0
	2 Character: Change both forecolor and bgcolor
	Dot matrix size: 8*8
	Code: 8bits Code 💉 3 Font color: Background:
Set ColorPick	Rewrite SN Ox 1 💮 O Big font 💿 Small font Awaiting response
Clean	Choose font: C:\Documents and Settings\Administrator\桌面\11. () Deliver
32012240	Text to send:
⊙ 0" ○ 90"	

- 1. Open Text operation
- 2. Select "Extension font"
- 3. Select "Small font" (Note: The .dzk file is less than 128 KB)
- 4. Rewirte SN: 01.
- 5. Click download button
- 6. Click "Deliver" after selecting the corresponding .dzk file.

Alert	\mathbf{X}	congrat	ulations 🛛 🔀
⚠	delivery begins, please wait	(į)	Font file delivery finished, saved at 0x1
	确定		确定

4. Command Test



- 1. Open Self-write Command
- 2. Input AA 98 00 00 00 00 01 C0 06 FF FF 00 1F 68 65 6C 6C 6F 0D 0A CC 33 C3 3C
- 3. Click"Send"

Note: 0x68, 0x65, 0x 6C, 0x 6C, 0x 6F represent h, e, l, l, o respectively as per the following table.

-	~	~								2.2						
	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
UU		Ц		Ц	<u> </u>	Ц		Ц	-		U U	Ц	U U		U R	
10	U	Ш	U	Ц	U	Ш	U	Ш	U	Ш	U	U	U		U	Ш
20		1	n.	#	\$	%	&	2	()	*	+	,	-		/
30	0	1	2	З	4	5	6	7	8	9		;	<	=	>	?
40	@	А	В	С	D	E	F	G	Η	1	J	К	L	М	N	0
50	Ρ	Q	R	S	T	U	V	W	Х	Y	Z]	1]	^	-
60	•	а	b	С	d	е	f	g	h	ी	j	k	1	m	n	0
70	p	q	r	s	t	u	V	W	х	У	Z	{	1	}	~	0
80	Ä	Å	Ç	Ě	Ň	Ö	Ü	á	à	â	ä	ã	å	ç	é	è
90	ê	ë	í	ĩ	î	ï	ñ	ó	ò	ô	ö	õ	ú	ù	û	ü
AO	+	0	¢	£	S	•	9	ß	®	O	ТМ			#	Æ	Ø
BO	00	±	<	≥	¥	u	0	5	Π	π	ſ	а	0	Ω	æ	ø
CO	;	9	-	1	f	~	Δ	«	>>			Ă	Ä	Ö	Œ	œ
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EO	+	Ô	;	"	11	1	-	~	-	~		0		~	-	-
10	-	~	0	-	0	23									\$	
	Char:h Decimal: 104 Hex: 0x68 Octal: 150							h								

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