**–** <u>1</u>20



### **LED Cross Display Operation Manual**

#### 1. Power on

Open the packaging, install the temperature sensor and Wifi sender according to the following picture, then power on.

When the cross power on, it will show the last testing program we send.



### 2. Install the programming software

Download LedCenterM-V531 and install it on your computer. Double click the icon on your desktop to run the programming software.

### 3. Connect the LED cross with computer by Wifi wireless

Check your available wireless network list, find "lumenchina-06" (different controller have different name) and click "collect". Then led cross will be connected with your computer by Wifi.



### 4. Define LED cross to make it is cross shape

1). Choose "setting"-"advance"-"Define LED screen"

EdCenter	
File Edit Play Setting Tools Help	
Image: Constraint of the program[1]     ✓       Constraint of the program[1]     ✓       Program[1]     ✓       Window[     ✓       Show preview window       Show editor       Advance       Language       Option	<ul> <li>▶ ■ I  ×</li> <li>▶ ■ I  ×</li> <li>▶ ■ Define LED screen</li> <li>Screen setting wizard</li> <li>COM port setting</li> </ul>
	GPRS setting Change password Startup password 300 s s V weanesday Friday Saturday
Set screen parameters	C-Power5200[1] C-Power5200 Full color 48 48

2). Click "new" to add a new control card, password is "16888"

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3) Choose "C-Power3-A", define the width "48" and height "48", and then choose "show only part(s) of the screen"

LED scr	Screen editor => New screen	COMPANY, COM	
Mode	Model C-Power3-A C-Power5200 C-Power4200 C-Power4200 C-Power4200 C-Power200 C-Power1200 C-Power1200 C-Power1200	ID 1  ID 1 ID 1 ID 1 ID 1 ID 1 ID 1 ID 1	
		ОК	

4). Click "quick setting" and "OK", then it is cross shape

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48 x 48		DOM	IOT shov	v these p	arts	
			x	γ	Width	Height
		1	0	0	16	16
		2	32	0	16	16
		3	0	32	16	16
		4	32	32	16	16
	•		0	0	16	16
			New		elete	6
			Quid	:k setting	, )	

5). Choose "Network connect to the LED controller directly" and write IP address "192.168.1.223" (IP address is different if different control card), then click OK.

Pot C-Power3-A C-Power7200	ID 1	Name	
C-Power6200 C-Power5200	Width 48 💌	Height 48 💌	
C-Power4200 C-Power3200 C-Power2200	Color Full color	▼ Font GB2312	f
C-Power1200	Special Show only part(s) of I	the screen	<b>•</b>
	Communication		
	Type	connect to the LED controller directly	-
	IP Address 192 .	168 . 1 . 223	<b>Q</b> ID
	Port 5200		
	ID Code 255 .	255 . 255 . 255	

6). Continue to click "OK" to finish define LED cross

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Model	Name	ID	Color	Gray	Width	Height	COMM Type	COMM Parameter
C-Power3-A	C-Power3-A[1]	1	Full color	256	48	48	R5232/485	COM1: 115200,N,8,1

### 5. Set communication method

1). Choose "Tool"-"Ledtool"-"C-Power20/30"

📕 LedCenter		
File Edit Play Setting T	ools Help	
Image: C-Power3-A[1]	Mspaint Notepad Calculator	↓ ■ □ □ ↓ Copy from Window Num 1 ↓ Layout
⊡ G Window[1]	Ledtool 🔸	C-Power20/30
[] [Text]Welcome	Find device	C-Power6200
		C-Power5200/2200 C-Power1200 Play time 300 \$ \$ Characteristics Saturday Characteristics C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-Power1200 C-
	C	-Power3-A[1] C-Power3-A Full color 48 48

2) Click the forth icon "communication parameters"

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Quick setting Clock trimming	Gamma correction Read Apply. Save
roperty	Value
Basic parameters	
Display length(1~2048)	256
Display height (1~512)	64
Display column starting point (0~2047)	0
Display line starting point (0~511)	0
Blisplay parameters	
Screen ON/OFF	Turn off
Hide scan	No hide
Hide scan length	107ns
Column order	Positive sequence
OE polarity	Positive, high effective
Data polarity	Positive
Color order	RGB (Red-Green-Blue)
Line adjustment (0~15)	0
Line signal model	Normal model
Output board type	No output board
Scan parameters	
Gray options	4096 Gray
Shift clock (MHz)	8.25
Refresh mode	High refresh frequency mode

3) Choose "Network connect to the LED controller directly" and set the IP address "192.168.1.223". Then click "OK".

parameters Hardware param	meters   Wifi paramete	ers			
k setting Smart sett	ing Clock trim	ming Gamma corre	ction	ead Apply	Save
Communication		100			X
S © Port R5232/485 COM1	~ Q	Baudrate 115200	* ID	255	*
Network connect to     IP Address 192 . 1	the LED controller dir	ectly Pass code 255 ; 255	5 . 255 . 255 IP Poe	r 5200	
Network connecttin	g to the LmServer	GPRS connectting to t	he LmServer	1	
User name	61 , 157 , 155	IP Port 5202 Password	Device	ID	
Ê		-			

#### 6. Check IP address

If we set up each step correctly, once we choose "Find device" and click "Search network",

### we can find this control card with IP address 192.168.1.223

earch COM Port	Search Network	Search Lm	Server						
IP	Controller Inf	ormation			C-Power	r Ser:	ial		•
						ĩ	055 055	055	055
					ID Code		255 . 255	. 255 .	255
					Port		5200		
					TP				
					10.4	80 14	<b>VVV</b>		<b>_</b> ]
					From		220		
					To		254		
					🔽 Breal	k when	n found		
							Start search		
							Quick search		
earch dev	Vice	-80 -= 00						E	xit
earch dev 查找串口 3	<b>vice</b> E找网络 操業	服务器						E:	xit
earch dev 查找串口 子	<b>7ice</b> 王我网络 授業 空間下 1 223   C-Powe	÷服务器 <信息 →20/301	(19=1-)				C-70	E: wer #7	xit
earch dev 查找串口 子 17 152 168	<b>7ice</b> 至我网络 授索 控制卡 1 223   C-Par	●服务器 18条器 120/301	(19=1)				[C-Fe ]]][[]]][[]]][[]]][[]]][[]]][[]]][[]]	E:	xit N 25
earch dev 查找串口 子 152 168	<b>7ice</b> E找网络 授業 1280 C-Powe	÷服务器 <信息 ¥20/301	(19=1)				C-Fr IDES	E: wer #3	xit
earch dev 查找串口 子 192 168	<b>7」CP</b> 至我网络 操業 全部下 1 223   C-2644	200000 2服务器 11高息 1220/301	(19=1)				[C-Fe 1D码 減口	E: wer £3	xit
earch dev 查找串口 子 17 152 168	7 <b>1CE</b> 至找网络 搜索 1223 C-Par	÷服茶器 1高息 →20/301	(15=1)				[C-Fe 10码 端口 17	E: wer \$3	xit M 5200
earch dev 查找串口 子 152 168	71ce 至我网络 授索 控制下 1.223 C-2000	÷服务器 ◎福息 \$20/301	) (10=1)				[C-Fe ]] ]] [] ]] ]] ]] ]] ]] ]] ]] ]] ]] ]]	E wer #3	xit N 25 5200
earch dev 查找串口 子 192 168	<b>71Ce</b> 5技网络 授業 1 223   C-Form	2000年 2服务器 1信息 120/301	(ID=1) 12				C-P6 ID码 碗口 IP	E.	xit MJ 2200
earch dev 查找串口 3	<mark>7109</mark> 至我网络 授業 12初下 1.223 C-Powe	£服茶器 <信息 ≠20/301	019=1) Iz			-	C-Fa 10時 端口 17 19	E wer #3	xit M 5200
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earch dev 查找串口 子 If 192 168	71ce 至我网络 漫葉 1223 C-Par	÷服务器	119=1) R			-	C-Fa 10码 端口 17 19 若明	E. wer £3 12. 168. 1 12. 168. 1	xit Mj 5200 1. mm 9 25
earch dev 查找串口 3	7100 至我网络 授集 控制下 1 223 C-200	200000 2服务器 1220/301					[C-Fa 10時 第口 17 19 第日 19 第日 19 第日	E wer £3 2. 168. 1 2. 168. 1 2. 168. 1	xit NJ 25 5200 1. mm 9 25
earch dev 查找串口 3	71ce 至找网络 操编 控制中 1 223 C-Fax	÷服务器 *1高息 ±20/301	010=1)				[C-Fo ]]	E wer £3 2 168 1 41P E1P	xit M 5200 1, ### 9 25
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earch dev 查找事口 3	71ce 至我网络 搜索 控制下 1 223 C-200	\$服务器 \$ \$20/301	110=1) X				[C-Fd 1D码 端口 IF 19 志切 结果	E wer X7 2. 168. 1 2. 168. 1 2. 168. 1 2. 168. 1	xit NJ 25 5200 1. mm 9 25 25
earch dev 查找串口 3	7ice 至找网络 操编 控制中 1220 C-Part	5服	119=1)				[ 	E ower £3 2 168 1 2 168 1 1 16	xit NJ 220 1. xxx 4 29 1. xxx 4 29 1. xxx 4 29 1. xxx 4 29 1. xxx 4 29 1. xxx 4 29 1. xxx 4 29 1. xxx 4 20 1. xxxx 4 20 1. xxxx 4 20 1. xxxx 4 20 1. xxxx 4 20 1. xxxx 4 20 1. xxxx 4 20 1. xxxx 4 20 1. xxxx 4 20 1. xxxx 4 20 1. xxxxx 4 20 1. xxxxx 4 20 1. xxxxx 4 20 1. xxxxxx 4 20 1. xxxxxx 4 20 1. xxxxxx 4 20 20 1. xxxxx 4 20 1. xxxxxx 4 20 1. xxxxxx 4 20 1. xxxxxx 20 1. xxxxxx 4 20 1. xxxxxxxxxxx 4 20 1. xxxxxxxxxxx 20 1. xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

7. Now we have finished all settings, you may add and send programs.