## **Instruction for C-Power/50 Ledtool**

#### (1) Enter into the "Ledtool" parameters settings interface

Open the software "LedCenterM.exe" of version 5.3.4,

find "Tools"—"Ledtool"—"C-Power50", entry the parameter settings interface, as the following picture showed:

LedCenter		_ 🗆 🗵
<u>File Edit Play Setting Tools Help</u>		
Bar Bar Mspaint <u>Notepad</u>	, <b>*</b> 2 ☆ <b>*</b> ► ■ <b>■</b> <del>×</del>	
LED Screen C-Power3-Ar Calculator	Copy from Window Num 3 V Layout	
● ● Program[1] ● ● ● Window[1] ● ● ● [Text)局域[ Find device	C-Power50 C-Power6200 C-Power6200	
Comparison of the second	C-Power7200 C-Power5200/4200 C-Power3200/2200 anter	
<ul> <li>Final Content of the counter of the co</li></ul>	C-Power1200	
	300 r s	
	C-Power3-A[1] C-Power3-A Full color 256	64 //

### (2) Select the communication mode

**1. Serial port communication mode (RS232/485):** select your computer's COM port which is connecting to your controller, click 🔯 to auto-detect the controller's Baudrate and ID, controller's controllers' original parameter is : Baud rate is 115200, ID is 1, finish your selection then click "OK".

LED Tool: C-Power50	<u> </u>
Screen parameters Hardware parameters WiFi parameters	
Quick setting,         Smart setting,         Clock trimming,         Gamma correction         Read         Save	
Proper Communication	-
Disp Disp Disp Disp	-
Disp Port COM2 Port ID 1	
Scre Hide Hide Colv OE r Date Date Date	
C Network connectting to the LmServer Line Outr IP Address 58 . 61 . 157 . 155 IP Port 5202 Device ID Sea Gray Shif User name Password	
OK	
Maximum refresh rate:106, output height:64	
[Network] 192.168.1.84:5200 (255.255.255)	//.

**2. Network communication way:** select "network", click the search button **Q**, search the controllers connecting on the network, click "refresh", will see all the controllers connecting on the network. Finish your selection and click "OK"

Controller's original parameter is: IP Address: 192.168.1.222, Pass Code: 255.255.255, IP Port: 5200

LED Tool: C	-Power50				X
			1		
	Hardware par	ameters   wiri parameters	I		
Quick set	tting Smart se	etting, Clock trimmin(	g Gamma correction	Read	Save
Proper	ommunication		1		×
🗆 Bas Dist					
Disp	C R5232/485				
Disp	Port COM2	💌 🔍 Bau	idrate 115200	<b>I</b> D 1	<b>_</b>
🗆 Disj					
Scre Hide	Network copposit	to the LED controller directl			
Hi de Colv					
OE F	IP Address   192 .		s code   255 . 255 . 255 .	255 IP Port  5200	
Dats Colc		<b>\</b>			
Line	C Network conne	earch Controller			×
Outp	IP Address 58	TP	MAC 0062o664bdb4	Device ID	
E Sca		192.168.1.2	000220140004	000010	
Shi f	User name	192.168.1.231	00606e504f94 00606e80a5cd	504F94 100011	
Refr			$\mathbf{X}$		
Maximum re	fresh rate: 106, outp				
'		L			
 [Network] 192.1	168.1.84:5200 (255.:	Refresh		OK Cancel	

## (3) Read the controller's firmware version

After you have selected your communication way, click "Check Version" button (1996), then it will show the controller's firmware version information.

📑 LED	) Tool: C-Power50				
×					
Scre	en parameters Hardware parameters WiFi parameters				
Ľ					
	Quick setting Smark setting Clock trimming	Gamm	a correction	Read Sa	/e
P	roperty		Value		
	Basic parameters				
	Display width(1~2048)		256		
	Display height (1~512)		64		
	Display column starting point (0~2047)		0		
	Display line starting point(0~511)		0		
	Display parameters	ledtoole	( X		
	Screen ON/OFF				
	Hide scan	C-Powe	r50		
	flide scan length	Version			
	Column order	LOGIC	= 0.1.0.3	ence	
	UE polarity	BOOT	= 0.1.0.2	n effective	
	Data polarity	BIOS	= 0.5.0.6	P1)	
	Line adjustment (0~15)	NET	= 0.0.8.7 = 0.1.0.10	Dine)	
	Line signal model	NXP	= 0.0.0.4		
	Output hoard type			ut heard	
	Scan parameters	(*****	确定	at board	
	Gray ontions	<u></u>			
	Shift clock (MHz)		8.25		
	Refresh mode		Default refr	esh	
bite.	vizum vofixoch votor 106. outout boinhtré4				
1 Ia	Annammennearn acessooy, oucput neightsion				
[Netwo	rk] 192.168.1.84:5200 (255.255.255.255)				11.

# (4) Screen parameters setting

1. before the screen's parameters are able to be reset. It needs to "read" from the controller at first, then click "Advance", Pass code is "26888".

#### 2. Smart setting

Steps as follow picture showed:

	ool: C-Power50		X
Screen	parameters Hardware parameters WiFi p	arameters	
Qui	ck setting Smart setting Clo	ock trimming   Gamma correction   Read	Save
Prop	erty	Value	
B	asic parameters		
	nart setup wizard 1 - module informat		
	Screen type		
	C Monochromatic	C RG color • Full colo	
	Module Width: 32	Each module input interface 1	_
	H. J. J. W. S. J. J. 10		_
	module height. 10	Lach Imput Interface Signat	
	Column order		
	(• Positive	Negative	
	Line signal model		
	Normal model	🔿 Without decoding mod 💿 595 decoding mod	mode
		Back (B)	Next (N) Cancel
Махии	ann on cannator 100, oacpat hoight 120		
, [Network]	192.168.1.84:5200 (255.255.255.255)		li.
LED To	ool: C-Power50		
Screen	parameters   Hardware parameters   WiFi p	arameters	· · · · ·
Qui	ck setting Smart setting Clo	ck trimming Gamma correction Read	Save
Prop.	erty hsic parameters	Value	
5	nart setup wizard 2 - data polarity jud	gment	×
	Click on the state bu choose the right stat	tton, observe the LED display change, e information	
	State 1		
	State 2		
		Back (E)	Next (M) Cancel
Maxm	ammennean nace 109, oacpachoight 120		
[hohurul-]			
[INSCWORK]	192,100,1,04;9200 (205,255,255,255)		11.

LED Tool: C-Power50	_	
Screen parameters   Hardware parameters   WiFi parameters		
Quick setting Smart setting Clock trimming Gamma correction	Read Save	
Property Value		
Basic parameters     Smart setup wizard 3 - OE polarity judgment	X	
Lick on the state button, observe the LED display change, choose the right state information		
State 1 State 2		
Ma	Back(B) Next(M) Cancel	
[Network] 192.168.1.84:5200 (255.255.255)		
LED Tool: C-Power50		
LED Tool: C-Power50		
LED Tool: C-Power50  Screen parameters Hardware parameters WiFi parameters		
LED Tool: C-Power50         Image: Comparameters         Screen parameters         Hardware parameters         WiFi parameters         Quick setting         Smart setting         Clock trimming         Gamma correction	ReadSave	
LED Tool: C-Power50  Screen parameters   Hardware parameters   WiFi parameters   Quick setting   Smart setting   Clock trimming   Gamma correction Property   Value	Read	
LED Tool: C-Power50	Read Save	
LED Tool: C-Power50	Read Save	. <b>.</b> ×
LED Tool: C-Power50	Read	
LED Tool: C-Power50  Screen parameters Hardware parameters WiFi parameters Quick setting Smart setting Clock trimming Gamma correction Property Value Basic parameters Smart setup wizard 4 - color order judgment	Read	. <b>.</b> ×
LED Tool: C-Power50  Screen parameters Hardware parameters WiFi parameters Quick setting Smart setting Clock trimming Gamma correction  Property Value Basic parameters Smart setup wizard 4 - color order judgment Click on the state button, observe the LED display change, choose the right state information	Read Save	X
LED Tool: C-Power50  Screen parameters Hardware parameters WiFi parameters Quick setting Smart setting Clock trimming Gamma correction Property Value Basic parameters Smart setup wizard 4 - color order judgment Click on the state button, observe the LED display change, choose the right state information	Read Save	
LED Tool: C-Power50  Creen parameters Hardware parameters WiFi parameters Quick setting Smart setting Clock trimming Gamma correction  Property Value Basic parameters Smart setup wizard 4 - color order judgment Click on the state button, observe the LED display change, choose the right state information State 1	Read Save	X
LED Tool: C-Power50 Screen parameters Hardware parameters WiFi parameters Quick setting Smart setting Clock trimming Gamma correction Property Value Basic parameters Smart setup wizard 4 - color order judgment Click on the state button, observe the LED display change, choose the right state information State 1 State 2 State 2 State 2 State 2	Read Save	×
LED Tool: C-Power50	Read Save	X
LED Tool: C-Power50	Read Save	
LED Tool: C-Power50	Read Save	X
LED Tool: C-Power50	Read Save	X
LED Tool: C-Power50	Read Save	×
LED Tool: C-Power50	Read Save	X
LED Tool: C-Power50         Image: Screen parameters         Quick setting         Smart setting         Clock trimming         Gamma correction         Property         Value         Basic parameters         Smart setup wizard 4 - color order judgment         Image: Click on the state button, observe the LED display change, choose the right state information         Image: State 1         Image: State 2         Image: State 3         Image: State 3         Image: State 3         Image: State 3	Read Save	×

LED Tool: C-Power50	X
Screen parameters Hardware parameters WiFi parameters	
Quick setting Smart setting Clock trimming Gamma correction Read Save	
Property Value	-
Basic parameters     Smart setup wizard 5 - scanning and unit module size	xI
To observe the LED screen current status, choose the right information.	
Display bright line number	
Interval dark line number:	
If the display bright line number is 1, the interval dark line number must choose 0.	
	-
Back (B) Next (M) Cancel	]
Maximum renestraterios, output neignerizo	
[Network] 192.168.1.84:5200 (255.255.255)	
LED Tool: C-Power50	
Screen parameters Hardware parameters WiFi parameters	
Quick setting         Smart setting         Clock trimming         Gamma correction         Read         Save	
Property Value	
Basic parameters	×I
Reset Back Fronty point Observation on the screen click the corresponding grid	
□ 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 5 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	
6 ledtoolex X	
13     44       14     45       15     46	
13     44       14     45       15     46       16     47	
13       44         14       44         15       46         16       47         Back(E)       Finish       Cancel	-
13       44         14       45         15       46         16       47         Back (B)       Finish         Cancel	
13       44         14       45         15       46         16       47         Back (B)       Finish         Cancel	

×⊫⊌⊠ ⊚Q₽					
Commence and the second	1				
Screen parameters   Hardware parameters	WiFi parameters				
Ouick setting Smart setting	Clock trimming	Gamma correction	Read	Apply	Save
Property		Value			
Basic parameters					
Display width(1~2048)		256			
Display height (1~512)		64			
Display column starting point (	ວ~2047)	0			
Display line starting point (D~	511)	0			
Display parameters					
Screen ON/OFF		Turn on			
Hide scan		Hide both			
Hide scan length		107ns			
Column order		Positive sequenc	e		
OE polarity		Positive, high e	ffective		
Data polarity		Negative			-
Color order		RGB (Red-Green-Bl	ue)		
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)		13.2			
Refresh mode		High refresh fre	quency mode		
Refresh mode 2		Common mode			
		-Arr or art oottin	a or quick potting		store still can be
		alter smart settin	y or yuick seturiy, the line of data to	, screen parame	eters suit cari de
		changed by click i	une ime or uata to	Select	
1		1			
Maximum refresh rate:84, output height:1	28				
5222] COM2(11E200 N 8 1 (ID_2EE)					
2221 COM2:112200,N,0,1 (ID=255)					

After setting, click "Apply" or "Save".

### (5) Hardware parameters interface setting

1. Read the hardware parameters from the controller, the controller's original parameter is: Device ID: lumenchina, Device IP Address is a static IP address: 192.168.1.222, IP Mask: 255.255.255.0, Gateway: 192.168.1.1; as the following picture showed:

Screen parameters Hardware parameters WiFi parameters	
Read from controller	Save to controller
Modify communication parameters Device ID	100001
Serial port parameters ID 1 Raudrate	115200
Device IP Address	
O Dynamically assigned IP address     O Statu P     IP Address     192 . 168 . 1 . 128     IP Mask	address Gateway 192.168.1.1
Network server parameters           Tcp port         \$200         Pass code	Successful! 255 Setting for GPRS
Network client parameters           Network client         Server IP	确定         155         Server Port         5003
Project name	Password Hotekow
Auto power control Power on	08:00 Power off 22:00 -
Brightness control(Auto detect set to "-1")	
Modify brightness control 31 31 31 31 31 31 31 31 31 31 31 31 31	
	Select All         Select None         31
	Select Invert 31 -1
[RS232] COM2:115200,N,8,1 (ID=255)	

2. The hardware parameters can be changed, click **(a)**, pass word is "26888", after resetting the data you want it to be, click "save to controller", when it will show successful. As the following picture showed:

× 🗃 🖬 🕺 💿 🖸 🛻 pass word is 26888
Screen parameters Hardware parameters WiFi parameters
Read from controller Save to controller
Modify communication parameters Device ID 100001
Serial port parameters       ID       1       Baudrate       115200
Device IP Address
IP Ad tress 192 . 168 . 1 . 128 IP Mask LedToolEx X 0 Gateway 192 . 168 . 1 . 1
Network server parameters     Successful!       Tcp pirt     5200       Pass code     255
Network client parameters         ME           Network client         Server IP           155         Server Port
Project name Test Password ******
Auto power control
Brightness control(Auto detect set to "-1")         Image: Marging brightness control       31 31 31 31 31 31 31 31 31 31 31 31 31 3
Select All Select None 31
R5232] COM2:115200,N,8,1 (ID=255)

### (6) WIFI parameters setting

The WIFI card can only use the serial port RS232/485 to communicate.

1. Use RS232 wire connect the com2 of the card, click

Exit to transparent

Connect WiFi moudle

- 2. Connect the com1 of the card via serial cable, click
- 3. Then can read and set the WIFI parameters of the card; as follows:

arameters   Hardware parameters	WiFi parameters			
Connect WiFi moudle	Exit to transparent	Read from contro	ller	Save to controller
WiFi paramerters only can be using t	he serial port settings, please co	onnect the WiFi module,	and then do oth	er operations.
Network type	infra-STA 💌			
□ Wireless Setting				
SSID			_	
Epcry Mode			HEY	
Key Index	©1 02 02	C 4	The T	
Key Index Key		2.4		
NOY	1		Plainte	xt
Network Setting				
Enable DHCP				
Static IP Addr	192 . 168 . 1 . 1			
Subnet Mask	255 . 255 . 255 . 0			
Gateway Addr	192 . 168 . 1 . 1			
DNS Addr	192 . 168 . 1 . 1			
Wordmode Setting				
C Auto Workmoo	le			
ProtocolType	TCP	C/S Mode	Server	7
ServerAddr		Port	50000	
TCP Time Out	120 s	(0~10000000,0 means a	always)	