

Note: The Cabinet Rotation requires redoing Smart Setting. Please refer to the manual of Smart Setting while reading following operation.

1. Run NovaLCT-Pluto, move the cursor over the *Advanced Login (A)* and click the button.

NovaLCT-Pluto V4.5.2	_		×
System(S) Setting(N) Tools(C) User(U) Plug-in Tool(P) Language(Lang)(L) Help(H)			
Brightness Display Control Monitor Function Card Main Board Power			
- Remote System Info			
Remote Address: PBOX for Overseas (192.168.1.100) Net Connection: Connected Device Count: 1	<u>a</u> <u>s</u>	<u>earch</u>	
- Monitor Info			

Connection Status: Connected control card

2. Login with the password "admin".

S NovaLCT-Pluto V4.5.2			- 🗆	\times
System(S) Setting(N) Tools(C) User	U) Plug-in Tool(P) Languagei	(Lang)(L) Help(H)		
Brightness Display Control	المعند المعند المعند المعند	×		
Remote System Info	o de in			
Remote Address: PBOX for Overseas (1)	Password:	rice Co	ount: 1 🤦 <u>Search</u>	
Monitor Info				
	Login	Cancel	111	
•			•	
				1

Connection Status: Connected control card

3. Click on the Screen Config button.

NovaLCT	-Pluto V4.5.2								- 0		\times
System(S)	Setting(<u>N</u>)	Tools(<u>C</u>) Us	er(U) Plug-in	Tool(P) Lar	nguage(Lang)(<u>L</u>)	Help(<u>H</u>)					
Screen Conf	a Brightness	Calibration	Display Contro		Function Card	Main Board F	Power				
Remote Syste	m Info						1				
Remote Addr	ess: PSD1	00-J-11 (169.2	54.238.5)	Net Conn	ection: Cor	inected D	evice Count:	1	Q Sear	<u>rch</u>	
Monitor Info											
	-	111		$\langle \rangle$	8	\$		**	· · ·		
						•		•			
Connection Sta	tus: Connected	l control card							-		:
Remote Addr Monitor Info	ess: PSD1	d control card	54.238.5)	Net Conn	ection: Cor	nected D	evice Count:	1			

.::



4. Choose mode according to actual use and Click the *Next* button.

🖳 Screen Config	
Mode Select	
No scan board cascaded	Cascading scan board
Config Screen	
💮 Load Config File	Browse
	Next Close

5. Click the *Scan Board* button.

🖳 Screen Config-COM1				
Scan Board Screen Configuration				
Tark: The current operation Module Info	n in cascading scan	board mode!		
Chip: Common Chip Si	ze: 32W×32H	Scan Type:	1/4	
Direction: Horizontal D	ecode Type: 74HC138 D	ecoding Data Group:	4	
Cabinet Info				
 ● Regular Pixel Width: 256	65 Please nake sure the width and height	Irregular Width: ?? Height Loading error. Please adjust Construct	: ?? Please performance View Cabinet	^
Performance Setting Group Swap Refresh Rate: 480	H7 Accelera	e Rate: 4		
Grav Scale: Normal 4008 -	Grav Mor	e' Refresh Rote First 📼		
Date Cleaks	Data Duty		(05.75) 0(
	MHz Data Data	- 50 -	(23~73) %	
Clock Phase: 2	Low Gra	Com 0		
Blanking Time: 25 🚔	(=2.00us) Ghost Co	ntrol 20 🚔	(1~24)	
Line Change Time: 3	(0~19)			
Brightness Effici 69.01%	Min OE:	328 ns		
Smart Setting		Load File	Read From HW Send To HW	
		Save Con	fig File Save to Screen	Close



6. Create rotated RCFG file. We can achieve 90/180/270 degree clockwise rotation, the example picture shows below.



6.1 90° Rotation

6.1.1 In the Smart Setting Step 1, *swap* the number of *X* & *Y* in Actual Pixel, and select *Up to Down* in Module Cascade Type, keep everything else as normal configuration.

Chip Type:							
Data Type:	Concur	Concurrent 🔹					
Chip Type:	Commo	n Chip					
OE Polarity:	Unknov	vn					
Module Info							
Module Type:		 Regul 	lar Module		🔘 Irre	gular Module	
Chip Count of eac	h color	1		*			
Actual Pixel:	[×	32	* *	y:	32 🚔	
Data Group:		Unknow	n 👻				
Decoding Type:		74HC138	Decoding				
Scan Type:		📃 Over	16 Scans		1/4	•	
Module in one sca	n boa	Cols:	8	*	Rows:	4	
Module Cascade Ty	pe(From The F	ront)		_			
◎ Left To Right	◎ Righ Left	ıt To	Up Dov	To vn	Ô	Down To Up	
Scan Board Work M	ode						
Hub Mode:	Normal	0	20 Groups	0 2	4 Groups	🔘 28 Groups	
Ghost Control S	ignal Polarity:	(e High	\bigcirc	Low		
				6			



6.1.2 In Smart Setting Step 4 & 5. Select *Column* if it was Row in Normal mode, select *Row* if it was Column in normal mode.

Smart Setting Step 4	Smart Setting Step 5
Lighting rows(or columns) in the modules:	Lighting rows(or columns) in the modules:
16 🚖 Column 🔻	1 💽 Column 🖵
Next Cancel	Next Cancel

6.1.3 In the Smart Setting Step 9, Start mapping white flashing dot at the bottom left corner in the topology according to actual location showing on the module.

6.2 180° Rotation

6.2.1 In the Smart Setting Step 1, select *Left to Right* in Module

Cascade Type, keep everything else as normal configuration.

Data Type:	Concur	Concurrent				
Ohin Tanan	Commo	o Chin				
Chip Type:	Commo	nomp				
OE Polarity:	Unknov	'n				
Module Info						
Module Type:		Regulation	ar Module		🔘 Irre	gular Module
Chip Count of each	color	1		*		
Actual Pixel:	Г	x:	32	-	y:	32 🚔
Data Group:		Unknowr	ו 🔻			
Decoding Type:		74HC138	Decoding			
Scan Type:		🔲 Over	16 Scans		1/4	•
Module in one scan	boa	Cols:	8	* *	Rows:	4
Module Cascade Type	(From The Fi	ront)				
Left To Right	⊚ Righ Left	t To	C Up	To wn	C) Down To Up
Scan Board Work Mod	le					
Hub Mode:	Normal	\odot	20 Groups	0 24	Groups	🔘 28 Groups
Ghost Control Sig	nal Polarity:	() High	© L	ow	



6.2.2 In the Smart Setting Step 9, Start mapping white flashing dot at the bottom left corner in the topology according to actual location showing on the module.

🖳 Screen Config-CC	M1		-				
Scan Board Screen	Configuration						
Mark: The cur	rrent operatio	n in cascadi	ng scan boar	d mode!			
Module Info							
Chip:	Common Chip S	ize:	32W×32H	Scan Type:	1/4		>>
Direction:	Horizontal D	ecode Type:	74HC138 Decoding	Data Group:	4		
Cabinet Into							
 Regular 			irre	egular			
Pixel Width:	256 🚔 <=2	265 Pleas	se 🔺 W	- lidth: ?? Heigh	t: ??	Please	
Pixel Height:	128 🚔 <=1	128 make si 128 the wid	ure Lo	bading error. Please adjust	performance	make sure	
Module Casca	Right to Left	 and hei 	ight 🚽	Construct	View Cabinet	and height	-
Group Swap	More Setting						
Refresh Rate:	480 🔻	Hz	Accelerate Rate:	4			
Gray Scale:	Normal 4096 👻		Gray Mode:	Refresh Rate First 👻			
Data Clock:	12.5 🔻	, МН 7	Data Duty:	50 🗸	(25~75) %		
Clock Phase:	2 -]	Low Gray Com	0			
Clock Phase.	2) 	Ghost Control	•			
Blanking Lime:	25	(=2.00us)		20	(1~24)		
Line Change Time	3 🚔	(0~19)					
Brightness Effici	69.01%		Min OE:	328 ns			
							1
Smart Setting			Load File	Save File	Read From HW	Send To HW	J
				Save Cor	fig File	e to Screen	Close

Enable Data Grou	p Swap	Please Select The Operation	•	
Serial Number		Data Group Sequence	•	
• 1		1		
2		2		
3		3		
4		4		
5		5		
6		6		
7		7	E	
8		8		
9		9		
10		10		
11		11		
12		12		
13		13		
14		14		
15		15		
16		16	Ŧ	

6.3 270° Rotation

A) STAR

6.3.1 In the Smart Setting Step 1, *swap* the number of *X* & *Y* in Actual Pixel, and select *Down to UP* in Module Cascade Type, keep everything else as normal configuration.



Smart Setting Step 1	
Chip Type:	
Data Type:	Concurrent -
Chip Type:	Common Chip 🔹
OE Polarity:	Unknown
Module Info	
Module Type:	Regular Module
Chip Count of each cold	or 1
Actual Pixel:	x: 32 🚔 y: 32 🚔
Data Group:	Unknown 👻
Decoding Type:	▼ T4HC138 Decoding
Scan Type:	Over 16 Scans
Module in one scan boa	a Cols: 8 🚔 Rows: 4 🚔
Module Cascade Type(Fro	om The Front)
─ Left To Right	C Right To Up To Own To Left Oown
Scan Board Work Mode	
Hub Mode: 💿) Normal 🛛 🔘 20 Groups 📄 24 Groups 💿 28 Groups
Ghost Control Signal I	Polarity: 💿 High 💿 Low
	Next Cancel

6.3.2 In Smart Setting Step 4 & 5. Select Column if it was Row in Normal mode, select Row if it was Column in Normal mode.

Smart Setting Step 4	Smart Setting Step 5
Lighting rows(or columns) in the modules:	Lighting rows(or columns) in the modules:
16 🗲 Column 🗸	1 💽 Column 🖵
Next Cancel	Next Cancel

6.3.3 In the Smart Setting Step 9, Start mapping white flashing dot at



the bottom left corner in the topology according to actual location showing on the module.

6.3.4 *Reverse* the Data Group Sequence *numbers*.

🖳 Screen Config-CO	M1		-				
Scan Board Screen (Configuration						
Hark: The cur Module Info	rent operation	in cascadir	ng scan boar	d mode!			
Chip:	Common Chip Si	ze: :	32W/×32H	Scan Type:	1/4		
Direction:	Horizontal De	ecode Type: 7	74HC138 Decoding	Data Group:	4		
Cabinet Info							
Regular			🔘 Irre	gular			
Pixel Width:	256 🚔 <=21	5 Pleas	e 🔺 Vvi	dth: ?? Height	??	Please 🔺	
Pixel Height:	128 🚔 <=1:	28 the widt	h Lo	ading error. Please adjust	performance	the width	
Module Casca	Right to Left	and heig	iht 📮	Construct	View Cabinet	and height 💂	
Performance Setting							
Group Swap	More Setting						
Refresh Rate:	480 👻	Hz	Accelerate Rate:	4 🔻			
Gray Scale:	Normal 4096 👻		Gray Mode:	Refresh Rate First 👻			
Data Clock:	12.5 🔹	MHz	Data Duty:	50 👻	(25~75) %		
Clock Phase:	2 🗸		Low Gray Com	0			
Blanking Time:	25 🚔	(=2.00us)	Ghost Control	20	(1~24)		
Line Change Time:	3	(0~19)					
Brightness Effici	69.01%		Min OE:	328 ns			
Smart Setting			Load File	Save File	Read From HW	Send To HW	
				Save Cont	ig File	to Screen	Close



Enable Data Grou	Please Select The Operation	_
Serial Number	Data Group Sequence	ŕ
▶ 1	1	
2	2	
3	3	
4	4	
5	5	
6	6	
7	7	
8	8	
9	9	
10	10	
11	11	
12	12	
13	13	
14	14	
15	15	
16	16	