

# **Transparent LED display configuration**

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#### Setting up the controller

- prepare the NovaStar LED controller (often called sending card)
- depending on the exact controller, it can be connected and controlled through LAN or USB cable
- download and install the latest NovaStar controller application (Nova LCT) from > software section <
- the application should be installed under an account, who has local admin rights (in case Hikvision laptop, you have to **log in with the install user**, **not** only run as administrator with the install user)



### Setting up the screen

3 NovaLCT V5.4.4.6(No Hardware)	
System(S) Settings (C) Tools(T) Plug-in (P) User(U) Language(L)	
Advanced Synchror	nous System UserLogin(A)
🛹 🚬 🔤 Demonstration Log	in(E)
Cloud Monitoring Brightness Screen Control M Media Player Login	(Π)
Local System Information	🚺 NovaLCT V5.4.4.6(No Hardware)
	System(S) Settings (C) Tools(T) Plug-in (P) User(U) Language(L) Help(H)
Control System 0 Other Device 0	
Monitor Information	
	Cloud Monitoring Brightness Sc User Login X t Tool
No screen, click here for con	Local System Information
	Control System 0 Password . Is of Device
	Monitor Information
Service Status: Service version:3.1.1	Login
	No screen, click here for configuration
	Service Status: Service version/3.1.1

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🖸 NovaLCT V5.4.4.6(No Hardware) —	X
System(S) Settings (C) Tools(T) Plug-in (P) User(U) Language(L) Help(H)	
Cloud Monitoring Screen Configuration Brightness Calibration Screen Control Multi-function C	card E
Control System 0 Other Device 0 <u>View Details of Device</u>	Screen Configuration × Select Communication Port
Monitor Information	Current Operatio COM6
No screen, click here for configuration	Configure Screen
Service Status: Service version:3.1.1	Cloud Restore     Europe     Forwse     Browse
	Next     Close

Screen Configuration-COM6	– 0 ×
Sending Card Receiving Card Screen Inection	
Screent	Configuration steps
Screen Type: Standard Screen O Complex Screen	70.
Sending Card Number Basic Information	/th > screen selection
Coordinate: X: 0 Y: 0 b Z E Enabl Screen Ar	8th > standard screen
Ethernet Port No 10 Jumns 5 Rows 4 ResetAll 🗆 Hided Red 🗸 🗲	9th > select the used RJ45 port
	10th > set columns
Receiving Card Size Sending Card 1 Sending Card 1 Port 1 Port 1	11th > set rows
Width: 296 € Apply to Entra 1 1-1-00 1-1-1-3 € 1-1-12 Recoving €	12th > set connection path
Set Black Andre the current	(looking the screen from front)
Sending Card, Toending Card, Toending Card, Toending Card, T	13th > set resolution for the
Quick Connection 2 1-1419 1-1414 1-1411 Percentry Percentry Calif.6 Calif.3 Work 206	receiving cards
Sendin Card.1 Sendin Card.1 Sendin Card.1	(here different for odd and even lines)
[→] [→] [→] [→] 3 1-1-18 1-1-15 1-1-10 Recoving Recoving Recoving Recoving Recoving Recoving Recovers	$14$ th > click_send to HW"
	15th > click Save"
12 Sending Card:1 Sending Card:1 Sending Card:1 Sending Card:1 Pott Pott Pott Pott Pott Pott	
4 1-747 4 1-747 6 Recenting Alexandre	
Zoom < Note: Click or drag the left m	ouse button to configure the screen.
Detect Communic. Read the Number.	ping Load from File Save to File from HW Send to HW
Restore Factor.	Export Screen M. Save Sys 15 Save Close

screen Configur	Configuration steps
Sending Card Receiving Card Screen Connection	16th > receiving card
Module Information	17th > cabinet selection
Direction: Vertical Data Groups 1 Adjust RG	10th > aliak Load from file"
Cabinet Information	18th > click "Load from file"
Set Rotation	
Regular	Since the cabinet sizes are customised (it results
Width (Pixel) 104 C=336 Width: 296 Height: 45	non-standard resolution), therefore two different
Height (Pixel)	config files should be used. One for the odd and the
Module Casc From Right to 1 View Cabinet	other for the even lines. These files are located on
Performance Settings	the delivered USD stick
Data Group E More Settings 🛛 Big 🕜 🗌 18bit+	the delivered USB stick.
Refresh Rate 3840 V Hz: Refresh Rate Ti 16 V	296X45下卡 2022. 09. 12. 16:23 RCFGX 783 KB
Grayscale Level Normal 4096 V Duty Cycle 50 V (25~75) %	296X77上卡 2022. 09. 12. 16:21 RCFGX 937 KB
Shift Clock Fre 8.3 V MHz	
Phase Position 2 V Low Grayscale C 3	19th > click .Send to Receiving card"
Row Blanking 28 (=3.36us)	(repeat with other RCECX file)
Line Changing 6 (0~19) Ghost Control En 20 (1~27)	(repeat with other for GX file)
Brightness Eff 87.27%	20th > click "Save
Minimum 0 222 hs (18)	21th > click "Close"
Smart Settings Load from File Receiving Car. Save to File Read from Re. Send to Receiv	20 21
	Export Screen M. Save System Co. Save Close

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## Setting up the brightness - manual

NovaLCT V5.4.4.6(No Hardware)	Brightness Adjustment
System(S) Settings (C) Tools(T) Plug-i	COM99-Screen1
🥔   🔜   🔀 📢 🔜	Organization      Organization     Organization     Organization     Organization     Organization
Cloud Monitoring Screen Configuration Brightness Calibration Screen Control Monitoring Mult	i-func O Contrast Priori O Grayscale
.ocal System Information	Brightness 4 255 (100%)
Control System 0 Other Device 0 View Details of Device	Contrast
	Gamma Valu * 2.8
No screen, click here for configuration	Custom Configuration
	Color Temperature
	Rough Ad      K      6500 K
ervice Status: Service version:3.1.1	Warm Color Cool Color
	Precise A Please use it after configuring color temperature table in "Settings" -> "Adx
	Color Space
	Disable PAL NTSC
	Refresh Save to HW
	Connected to control system successfully

Setting up the brightness - auto

0 NovaLCT V5.4.4.6(No Hardware)	Brightness Adjustment 🔀				
System(S) Settings (C) Tools(T) Plug-I	COM3-Screeni				
Cloud Monitoring Screen Configuration Brightness Calibration Screen Control Monitoring Multi	C Manually Adjustment Current Brightness				
Local System Information	Dirginitess 2 (1%) 10 200 0 200 0 200 10 200				
Control System 0 Other Device 0 View Details of Device					
Monitor Information					
No screen, click here for configuration	You haven't configure automatic adjustment, please click 'Wizard Settings'				
Service Status: Service version:3.1.1					
	Wizard Settings				
	COM3-Screen1 Refreshed successfully				

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### Setting up the brightness - auto - by sensor



### Setting up the brightness - auto - by schedule

Tize	urd S	Settings-Mode Selection	_ 🗆 🗵		Tizard SettingsTime Po	ints Settings				
	Selec	t Mode			- Automatically Adjustment Tab	le	(	6	Clear list	
4	c	Advanced Adjustment			Start Adjusting Time  19:00	Adjustment Meth Specified Brightn	od ess '	Brightness (%) 10	Edt Delete	
		You can configure multiple time points, each point can be configured with specific brightness or environment brightness.	ed							
	c	Adjust by Light Sensor	Adjust the T	ime Setting		×	Adjust (	the Time Setting		×
		One time point will be generated automatically, and it will be configured with environment brightness by default.	Starting Ti	<u>19</u> :00		-	Startin	ng Ti  19:00		
			7/a	Specified	O Environme		7/	b C Specified	Environm	e
			Brightness	10		÷ %				
			More Setting	25	-		Adjus	t t Not Adjusted		
					8 ок	Cancel	Adjus	t Ga 🗖 📕		<u>&gt;</u> 2.8
								8	ок	Cancel
		6	Next		Please Note					
					1. When computer is disconn 2. Only adjust brightness, but	ected from hardware	, the system re and Gami	n will turn to hardware adju: ma.	stment mod	
					3. Do not record brightness a	djustment log.				
							9	Previous	Finish	

