

## Anleitung Firmware update - 496-2,0 V2

Stand: 27.07.2023

Benötigte Software: NovaLCT V5.4.7.1 Firmware Version: Data\_A8s-N\_V4.8.2.0\_Group.zip // A8s-N\_V4.8.2.0 (entpackt) RCFG-File: 230713\_496-2,0\_V2\_standard\_240x240\_0deg.rcfgx

Wichtig: Keine Firmware Updates auf Produktion! Der Updatezyklus darf nicht unterbrochen werden und die Module dürfen den Stromkontakt nicht verlieren!

## 1. RCFG-File aufspielen

Starten Sie die **NovaLCT V5.4.7.1**, melden Sie sich wie gewohnt unter "User", "Advanced Synchronous System UserLogin" (PW: admin) an und wählen Sie die "Screen Configuration" aus.

<u>Ø</u> NovaLCT V5	5.4.7.1							_		$\times$
System(S)	Settings (C)	Tools(T) P	lug-in (P)	User(U) L	.anguage(L)	Help(	H)			
Cloud Monito	oring Screen	Configuration	Brightness	Calibratio	on Screen	Control	Monitoring	So Multi-fund	tion Card	
-Local System	Information									
Control Sys	stem 1	0	ther Device	0		View De	etails of Device	2		
Monitor Inform	nation									
				<u> </u>						
	•			•			(			
Service Status:	: Service version	on:3.1.1								.:

### Im neuen Fenster wählen Sie "Next".

0 NovaLCT V5.4.7.1	-	$\times$
System(S) Settin Screen Configuration ×	]	
Cloud Monitoring Cloud Monitoring USB@Port_#0001.Hub_#0002	function Card	
-Local System Inform	-	
Control System       Configure Screen		
Monitor Information O Cloud Restore Europe		
O Local Restore		
Next Close		
Service Status: Service version:3.1.1		

Nun öffnet sich die Screen Configuration. Hier wählen Sie den zweiten Reiter "Receiving Card" aus. Rechts unten klicken Sie auf "Load from File" und wählen das korrekte RCFG-File aus (230713\_496-2,0\_V2\_standard\_240x240\_0deg.rcfgx).

Sending Card       Receiving Card       Screen Connection         Module Information       Chip:       MBI5264       Size:       120W×120H       Scanning Type       1/30 scan       Chip:       Chip:       MBI5264       Size:       120W×120H       Scanning Type       1/30 scan       Chip:       Chip:       Chip:       MBI5264       Size:       120W×120H       Scanning Type       1/30 scan       Chip:       Chip:	Screen Configuration-USB@R	Port_#0001.Hub_#0002			- 🗆 ×
Module Information       Chip:       MBi5264       Size:       120W×120H       Scanning Type       1/30 scan       Construct         Direction:       Horizontal       Data Groups       4       Adjust RG       Check M.         Cabinet Information       Set Rotation       Set Rotation       Set Rotation         O Regular       Image: Cabinet Information       Set Rotation       Set Rotation         O Regular       Width (Pixet)       240       <	Sending Card Receiving Card	Screen Connection			
Set Rotation         Set Rotation         Set Rotation         O Regular       Irregular         Width (Pixel)       240       < <=614	Module Information Chip: MBI526 Direction: Horizon	64 Size: 11 Intal Data Groups 4	20W×120H	Scanning Type 1/30 scan Adjust RG	Construc.
O Regular         Width (Pixel)       240       <=614	Cabinet Information				Set Rotation
Performance Settings Data Group E More Settings Big	Regular       Width (Pixel)       Height (Pixel)       Module Casc	0 (\$ 0 (\$) <=614 <=240 om Right to Left ∨	Irregul     Width:     Const	lar : 240 Height: 240 truct Ca	0 Ne
Performance Parameters       N:       3       1         Refresh Rate       3840       Hz       N:       1         Grayscale L       168t       Gravs       Pow Decoding       Row Decoding         Row Blanking Time:       5       (=0,52us)       Line Changing Time:       1       (0-2)         Refresh Rat       2       Gravs       Ghost Control Ending       4       (1-4)         Smart Settings       Receiving Cat       Load from File       Bave to File       Read from Re.       Send to Receiving Cat         Current Receiving       A8s-N_V47.0.22       Firmware versio       A8s-N_V       Restore Facto	Performance Settings           Data Group E         M           Data Clock         DCLK Frequ           Data Phase         3           DCLK Duty         50           Performance Parameter         Refresh Rate           Refresh Rate         38           Grayscale L         16           High-Graysc         1           Refresh Rat         2           Smart Settings         Current Receiving	Are Settings	Big  Grayscale Clock GCLK Frequency: M: N: Div: Row Decoding Row Blanking Time: Line Changing Time Ghost Control Ending Receiving Car Load fre re versio A88-N_V	18bit-       84,9     MHz       53     ♀       1     ∨       5     ♀       1	d from Re. Send to Recei.

Nachdem die Daten in die NovaLCT übertragen worden sind, klicken Sie auf "Send to Receivingcard", wählen im neuen Fenster "all Receivingcards" aus und klicken auf "Send". Sobald die Daten an die Module gesendet worden sind und alles korrekt aussieht, klicken Sie auf "Save". Danach schließen Sie das Fenster.

creen Configuratio	on-USB@Port_#0	001.Hub_#0002					-		×
ending Card Rece	eiving Card Scree	n Connection							
Module Informat Chip: Direction:	ion MBI5264 Horizontal	Size: Data Groups	120W×120H 4		Scanning Typ <u>Adjust RG</u>	e 1/30 scan		Constru Check M	IC
Cabinet Informat	tion							Set Rotatio	on
O Regular Width (Pixel) Height (Pixel Module Case	240 I) 240 C From Right	<=614 <=240 to Left v		<ul> <li>Irreg</li> <li>Widt</li> <li>Con</li> </ul>	ular h: 240 struct Ca	Height: 240	] Ne		_
Performance Se	ttings								
Data Group	E	ttings	🗹 Big	😵		18bit+			
Data Clock DCLK Freq Data Phase DCLK Duty	u 4,81 e 3 50	<ul> <li>✓ MHz</li> <li>✓ (25~75) %</li> </ul>	Grayscale GCLK Fre M: N:	Clock equency:	84,9 53 3	MHz		^	
Performance	Parameters		Div:		1	~			
Refresh Ra Grayscale L High-Grays Refresh Ra	te 3840 16Bit c 1 tt 2	Hz Gravs	Row Dec Row Blar Line Cha Ghost Co	coding nking Time Inging Tim Introl Endi	e: 5 le: 1	<ul> <li>(=0,52us)</li> <li>(0~ 2)</li> <li>(1~ 4)</li> </ul>		~	
Smart Setting Current Recei	s iving A8s-N_	_V4.7.0.22 Firm	Receiving Car ware versio A	Load 8s-N_V Export	from File	ave to File Read fr	om F e., Se Re Save	end to Rec estore Fau	cei. Sond (

# 2. Firmware aufspielen

Auf dem Start-Overlay tippen Sie auf Ihrer Tastatur folgende Buchstaben ein: admin

🗾 NovaLCT V5	.4.7.1									-		×
System(S)	Settin	igs ( <u>C</u> )	Tools( <u>T</u> )	Plug-in ( <u>P</u> )	User( <u>U</u> )	Languag	ge( <u>L)</u> He	elp( <u>H</u> )				
Cloud Monito	oring	Screen	Configuration	n Brightne	ess Calibr	ation Sci	reen Contr	rol Monitorin	g Multi	i-functio	n Card	Ţ
-Local System	Inform	ation										
Control Sys	stem	1		Other Devic	ce	0	View	Details of Dev	<u>/ice</u>			
Monitor Inform	nation											
	-											
					•							
Service Status:	Servi	ce versio	n:3.1.1									.:

#### Nun öffnet sich folgendes Fenster:

Program loading---the current communication port has device accessed –  $\checkmark$  X

for the current operati	USB@Port_#0001	Hub_#0002		<ul> <li>Device q.</li> </ul>	1	Reconnect
Program updating						
Program Pat C:\U	ers\RetUser\Desktop	\A8s-N_V4.8.2.(	0\DATA_A8s-N_V4.8	.2.3\Data_A8s-N_\	4.8.2.3	Browse
Advanced						Update
Extend the operation ite	m					
Read-back of recei						
rdware Program Versia	n Information					
indware Program versio	niniormauon		Deces			
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		<u> </u>				
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ormation Console						
ormation Console						
ormation Console						

Hier klicken Sie zuerst auf "Refresh". Das mittlere Feld listet nun die Daten der zurzeit installierten Firmware auf. Überprüfen Sie, ob die Anzahl der Geräte korrekt ist.

ogram loadingthe current communication port has device accessed	-		×
Program loading			
Select the communication port for operation			
Communication port for the current operati USB@Port_#0001.Hub_#0002		Reconnect	
Program updating	_		
Program Pat C:\Users\RetUseriDesktop\A8s-N_V4.8.2.0\DATA_A8s-N_V4.8.2.3\Data_A8s-N_V4.8.2.3	E	Browse	
Advanced		Update	
Extend the operation item			
Read-back of recei			
Hardware Program Version Information			
● Refres ○ Refres Sendi 1 😧 Outp 1 🐳 Recei 1 蒙 Refres		Refresh	
Hardware program version information			
()- V1.2.4.0 Total1, emarks:2019.08.13 MCTRL4K V1.2.4.0 STD ⊟- Receiving Card			
p- V4.7.0.22 Total1,F emarks:2021.04.06 A8s-N_MCU_V1.4.0.0			
En Peceiving Card EDCA			
p- V4.7.0.22 Total1 Remarks:2021.05.14 A8s-N_FPGA_V4.7.0.17_LFK			
Information Console			
27.07.2023 11:55:41-Sending Card1 Read sending card program version Succeeded 27.07.2023 11:55:41-Sending Card1 Output port5 Receiving Card1 Read receiving card FPGA version Succeeded			
27.07.2023 11:55:41Sending Card1 Output port5 Receiving Card1 Read receiving card MCU version Succeeded			
		Clear	

Für das Firmware update klicken Sie auf "Browse", wählen den Überordner "A8s-N\_V4.8.2.0" aus und klicken auf "Update".

<u></u> 2.	Ordner suchen ×	
Program loading		
Select the communication port for operation		
Communication port for the current operati USB@Port_#0001.Hub_#0002  V Device q 1 Reconnect		
Program updating	V 🛄 Dieser PC 🔥	
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	> 📰 Bilder	
Advanced Q Update	V Desktop	
Extend the operation item	✓ A8s-N_V4.8.2.0	
	> DATA_A8s-N_V4.8.2.0	
Read-back of recei	V DATA_A8s-N_V4.8.2.3	
	Data_A8s-N_V4.8.2.3	
Hardware Program Version Information		
Refres ○ Refres Sendi 1   Outp 1   Recei 1   Refres Refres	Neuen Ordner erstellen OK Abbrechen	

Im nächsten Fenster wählen Sie "All receiving cards" aus und klicken auf "Ok".

Die Installation kann eine Weile dauern. Achten Sie darauf, dass die Module nicht stromlos gemacht werden, um Schaden an den Receivingkarten zu verhindern!

Danach klicken Sie nochmals auf "Refresh" und die neuen Daten werden Ihnen aufgelistet und Sie können kontrollieren, ob auf allen Modulen die korrekte Firmware (V4.8.2.3) installiert wurde.

Ist alles korrekt, können Sie das Fenster schließen.

ogram loading							
Select the communicati	on port for operation						
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Program updating							
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### 3. RCFG-File erneut aufspielen

Nach Installation der Firmware müssen Sie das RCFG-File wie in Punkt 1. erneut aufspielen und speichern.