DALI Cockpit

Startup Guide V5

DALI Configuration Tool

Commissioning of DALIcomponents and DALI-line Traffic Monitoring

DALI Cockpit Configuration Tool

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1. Software Installation

1.1. Requirements

For the connection from your PC to a DALI-line an interface is required. Lunatone has different interfaces available that are supported by the DALI Cockpit software. These are the DALI USB, the DALI RS232 SCI2 and the DALI 4Net. Please check out the products on our

website if you do not already have one in use. The DALI Cockpit software has been tested under Windows XP, Windows 7 and Windows 10.

1.2. Installation

The DALI Cockpit software package consists of three parts, namely the DALI-Cockpit, the DALI Monitor and the DALI BusServer. We recommend the installation of all components to utilize full functionality. The BusServer is required for the communication between PC and the interface (DALI USB, DALI RS232 SCI2 or DALI 4Net). The DALI Cockpit itself is the configuration tool, while the DALI Monitor is a sniffing tool for DALI-line traffic monitoring.

Unpack the ZIP-File first and then execute the DALI_Cockpit_Vxxx.exe to start the installation process. After choosing the components and the destination folder the installation process can be started by pressing the "Install"-Button.

DALI-Cockpit Setup		rausschneiden 🔲 🗙
	Choose Components	
	Choose which features of DALI-Co	ockpit you want to install.
Check the components yo install. Click Next to contin	u want to install and uncheck the com nue.	ponents you don't want to
Select components to inst	all: DALIBusServer and DLL DALI-Cockpit DALI-Monitor Start Menu Entries	Description Position your mouse over a component to see its description.
Space required: 23.1MB		
ullsoft Install System v2,51		
		Next > Cancel



When the installation is completed the final window has to be closed manually.

Installation Complete Setup was completed successfully.	_		^
	Installation Complete Setup was completed successfully.	Installation Complete Setup was completed successfully.	Installation Complete Setup was completed successfully.

After installation is finished you will find a DALI-Cockpit folder in the start menu entries.



2. Registration

When the DALI Cockpit is opened for the first time after installation a window pops up where you can register and request a key for free or continue without registration and use the 30 day trial version.

Product r	egistratio	n		×
D Lun DAL	I-C	e ock	cpit	R
Lunaton	e DALI C	ockpit v	vill run for 3	0 more days.
DALI-Coc	kpit after	r the eva	luation perio	e using od.
		Requ	est key	
Please e	enter the	registrat	ion key:	
	-/		-	-
Activate				

Hit the request key button to get to the registration form.

Product registration ×	
I unatone 💿	
Registration data X	Product registration ×
User registration data Name:	D Lunatone Registration data
Max Mustermann	DALI-Cockpit X
Company: Mustermann AG Email:	The registration is successful. Please check Your eMail for DALI Cockpit Activation Code
mm@mustermann.com	ОК
Request key OK Cancel	Request key OK Cancel
Activate Continue Unregistered	Activate Continue Unregistered

All three fields have to be filled to succesfull request a key. You will get your registration key via email, if it doesn't appear in your inbox be sure to also check the spam folder.



After using a correct key and pressing the activate button you will get a new window where you have to fill in your registration data again. By confirming this window the message box from above will appear and DALI Cockpit is registered.

3. System Preparation

3.1. Build connection to the DALI-System

Connect the PC to the DALI-line via DALI USB, DALI SCI RS232 or DALI 4Net interface. After having started the DALI Cockpit DALI USB interfaces are found and shown automatically in the component tree. To connect to one of the other Interfaces choose "DALI Bus \rightarrow Bus Interface" in the menu. For a connection with a DALI SCI RS232 you have to select COM and the respective port. For a DALI 4Net you have to select Ethernet and Lunatone TCP and then fill in the IP address. You also can search after DALI 4Net devices in the network with the "Search" button.



If there is no interface found, check out the connection between your PC and the DALI interface. If you use a DALI USB or DALI 4Net the interface should be detected even in the case of no DALI-line connected. In case you use a DALI SCI2 you have to connect the DALI-line before the DALI Cockpit can recognise the interface.



For Further details on the interfaces check the datasheets of the interfaces on the Lunatone website.

HINT:

If your DALI Interface won't connect to your PC you can try to close the DALIBusServer (an application that is running in the background during the time DALI Cockpit or Monitor is open). Thereto close DALI Cockpit and Monitor and right click the DALIBusServer symbol in the info area of windows and exit the application.



3.2. Language Settings

The language can be changed in the preferences menu. The languages available are German and English. DALI Cockpit has to be restarted to activate this change.

4. Test Communication

Before starting commissioning the DALI communication should be tested. In the menu of the DALI USB the DALI communication can be tested easily by sending commands broadcast on the DALI-line. This can be done e.g. by pressing RECALL MAX and OFF button and check the reaction of DALI control gear (optical feedback). Furthermore you can check the traffic on the DALI-line with the help of the DALI monitor (check chapter 6 for details).



5. DALI System Commissioning

5.1. DALI Addressing Procedure

The addressing procedure can be initiated by pressing the "Addressing"- button on the DALI USB site. An alternative is to start the process via the DALI-Bus menu.

In the DALI Addressing Wizard there are several options. You can choose between system extension and new installation. Furthermore the physical selection mode for luminaries and an optical feedback for detected devices can be selected.

You can select between a complete new installation and system extension. Performing a complete new installation will delete all existing DALI-addresses and already defined group dependencies, whereas the system extension mode keeps already defined DALI addresses and group dependencies, only unaddressed devices will get an address.

In the system extension mode you can furthermore select which kind of devices the DALI Cockpit should search for: Control Gear, Control Devices using Random Addressing Method and/or Input Devices using Addressing Method with physical selection.

DALI Addressing Wiza	rd - start X
	This wizard will guide you through the steps of initializing and addressing devices on the DALI bus.
T I	 System Extension (search unaddressed devices) Control Gears Control Devices (Random Addressing)
<u></u>	 ✓ Input Devices (Physical Selection) ✓ DALI24 bit Devices
	O complete new installation (current device list will be discarded)
-0.	The addressing will be done automatically or by means of "physical selection" method:
11	use 'physical selection' addressing method for luminaires
	The search for devices may be done "invisible" or with optical feedback from the found devices:
	"invisible" search for devices
	Click "Next" to proceed
	Back Next Abort

or



After the automatic process has finished you will get the following window with a popup request to manually add control devices by pressing buttons on the device (Like DALI-Switch, DALI MC or DALI Touch Panel).

🗞 DALINetwork - DALI-Cockpit	- 🗆 X
File DALI Bus Preferences	
localize	
DALI USB - S/N 9032	nds
DALI DT8 CW-WW CC 2* 350mA (A	
	ssing
G DALL CDC (A2)	required
- @ DALI CS (eA0)	and the second design of the second
DALI Bluetooth 4.0 (eA0)	Searching for input devices: Double press button on device for
4m	identification and allocation!
Now searching for N)
Press button (double	Finish
- DALI USB - S/N 9032	
P DALI DT8 CW-WW CC 2* 3	50mA (A0)
P DALI RGBW-PWM (A1)	
(B) RTC Timer (A2)	
BALLICS (eA0)	
DALI Bluetooth 4.0 (eA0)	
Back Next	Abort
< >	

In this example we will add a DALI switch and a wDALI Remote. When detected correctly the components will be added in the DALI device list as shown below.

Fie DALI Bus Preference DALI DIS CV-VWW CC2-350m4 (DALI DIS CV-VWW CC2-350m4 (DALI CC (A3) DALI DIS CV-VW CC2-350m4 (DALI Starsing Wizard - searching for intalled DALI Starsing Wizard - searching for intalled DALI DIS CV-VW CC2-350m4 (DALI DI	💸 DALINetwork - DALI-Cockpit			×
DALI DIS CV-WW C2 * 30mA (*) DALI Listed to the fail DALI Listed to the fail D	File DALI Bus Preferences			
DALUSE DALUSE Status DALUSE Status DALUSE	🗈 🖻 🖶 🐜 🔎 🗿 🞜			
DALI DTS CV-WW (A1) DALI DTS CV-WW (A2) DALI S (A6) DALI Buttoth A0 (A4) DALI S (A6) DALI Buttoth A0 (A4) DALI Addressing Wizard - searching for installed Wizard - searching for Mose MOALI TS (A6) DALI DTS CV-WW (A2) DALI Addressing Wizard - searching for Mose Ball DtS - SN 902 DALI DTS CV-WW (A2) DALI DTS CV-WW (A3) DALI DTS CV-		ocalize		
Back Next Abor		DALE Addressing and Commands Addressing DALE Addressing and Commands User action required User action required User action required User action required Searching for input devices: Double press button on device for Double press button on device for Device for		
		Back Next Abot		

Pressing the finish button will close the popup, "Next"-Button finishes the Addressing procedure. For leaving the DALI Addressing Wizard finally press "Done".

DALI Addressing Wi	zard - finish	×
	Search for devices finished!	
	Click "Finish" to continue	
	Done Abort]

After leaving the DALI Addressing Wizard you will find an overview of all addressed DALIcomponents in your system in the component tree on the left.

All Lunatone devices will be shown with a specific symbol, name and DALI address. All other devices will show up accordingly to their DALI device type and with DALI address.





Sometimes it can happen that a DALI Conflict is shown in DALI Cockpit, if you add additional devices to an existing DALI system. To resolve this, delete this DALI address and do a new addressing procedure (extension).

Conflicts can be avoided by always deleting the address of devices you previously addressed before adding them to the DALI system.

HINT:

For a better overview the devices can be renamed by right click \rightarrow rename. The DALI address is not changed.

5.2. DALI Device Localisation

5.2.1. Localize Checkbox

For easier localisation of your lamps and some control devices you can select the specific device or group and use the localize checkbox to switch between two states.



• Control gear (e.g LED Dimmer DT6/8, PD): Switches between Max and Min Level. Checking sends RECALL MAX and unchecking sends RECALL MIN.

• DALI CS / Touchpanel (BT):

Switches between LED blinks and LED blinks not. Checking enables blinking and unchecking disables it.

5.2.2. Physical Selection List

The "Physical Selection List" can be used for the devices DALI MC, DALI MC+, DALI Switch and DALI Touchpanel and contains the order in which the inputs/buttons are triggered. This should make locating of control devices after addressing easier. To create a "Physical Selection List" you have to trigger inputs/button at the end of the addressing routine when the "User action required" window appears. The device inputs will show up according the order you physically trigger them. This list can also be exported as a *.csv table.



5.3. Scene Configuration (Broadcast)

For fast scene configuration (or broadcast and group configuration) the "Configure Scene" menu is helpful.

cenes co	onfiguration		×
Destinat	ion Address		
All (DAI	LI Broadcast) ~	
Scene ty	pe		
Level	only	O DT8 RGBWAF	O DT8 Tc
Scene Se	ettings		
Scene	Scene 0	~	Dimensions
Act		-	83
	_		
Save	Scene	Preview scenes	Close

In the menu you can enter the effective range you want to configure, the type of scene (level only or special DT8 color scene type), the scene number and the values. Pressing "Save Scene" will store the parameters to the devices affected by the selected address range.

Another possibility to configure scenes for a device is on the device page itself. However this menu is helpful to configure several devices at once.

5.4. Group Handling

Add a new group by Right Clicking on the DALI USB in the component tree.

File DALI Bus Preferences	
🗋 🖻 🔒 🛼 🔌 🔎 🕕 🍃	
localize	
DALI USB - S. CLOSS DALI DT8 Add new group DALI DT8 Close Chill CDC (A3) Close DALI CDC (A3) DALI CS (eA0) DALI Switch (eA1) Close WDALI Receiver (eA2) Close	DALI: Addressing and Commands Image: Second seco

For adding group members just use the drag and drop function in the component tree. Groups are always displayed at the top of the component tree, below all addressed devices are listed. Selecting the group window allows to send configuration and control commands to the according group.

You can enter the group menu by selecting the group in the component tree. In the menu you can change the group address and turn on and off all ballasts within the group.

		💸 DALINetwork - DALI-Cockpit				<u>1997</u> 51	×
		File DALI Bus Preferences					
Groups	\rightarrow	E BALI USB - S/N 9032	DALI- Group				
Groups		E Group 0 (G0) DALI DT8 CW-WW CC 2* 350mA Some DALI 4Ch LED Dimmer 16A-1 (A3	0 change!				
			Config Control Gear		No dimensions		
Davissa			Actual Level		0.000 % Set		
Devices	-	- (E) DALI CDC (A3)	MIN Level		0.100 % Set		
		DALI RGB-PWM 16A (A4)	MAX Level		100.00 % Set		
		DALI 4Ch LED Dimmer 16A-1 (A	Power On Level		100.00 % Set		
			System Fail Level		100.00 % Set		
		DALI 4Ch LED Dimmer 16A-4 (A8	Fade Time		no fade s Set		
		- DALI Bluetooth 4.0 (eA0)	Fade Rate		44.7 st/s Set		
		wDALI Receiver (eA2)	Off	Min	Max		
			Up	Step Up	On and Step Up		
			Down	Step Down	Step Down and Off		
				✓ Recall			
		< >					

5.5. Configuration of Components

By choosing a DALI-component on the left you enter the configuration site of this component.

Find examples of a LED Dimmer and a RGB-Dimmer below.

In general the control gear site is separated in the device info block, and the configuration block. In the configuration block group dependencies and scene values can be defined as well as all standard DALI parameters and other helpful Lunatone specific parameters.

For other device types (especially DT4, DT5 and DT7) additional settings may be available. They can be entered by additional tabs of the configuration block.

💸 DALINetwork - DALI-Cockpit			- 0
File DALI Bus Preferences			
localize	💡 🚉 💻 read	save save	
□		Device Info Article Number 89453832 Manufacturer Lunatone Serial Number N/A DALI Device Type 6 Short Address A5 ✓	Update Firmware Ver 3.4.3
	20 Dimmer 40 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	Member Of Groups 0 1 2 3 4 5 6 7 8 9 10 11	12 13 14 15
 DALI 4Ch LED Dimmer 16A (A5,A6,A DALI 4Ch LED Dimmer 16A-1 (A5) 	DALLion DALLion Dallion to the mean themean the mean the	Scenes- Light Level [0100%], MASK	No dimensions
 DALI 4Ch LED Dimmer 16A-2 (At DALI 4Ch LED Dimmer 16A-3 (A) DALI 4Ch LED Dimmer 16A-4 (At 		Image: Mask % Image: Mask % Image: Mask % Image: Mask % Image: Mask % Image: Mask % Image: Mask % Image: Mask %	□ 12 MASK % □ 13 MASK %
🖽 DALI Bluetooth 4.0 (eA0) 🖸 DALI Switch (eA1)		Image: Constraint of the state of	□ 14 MASK % □ 15 MASK %
wDALI Receiver (eA2)	EIN (MAX)	DALI Parameter	
	MIN	MIN Level:	0.100 %
	AUS	MAX Level:	100.00 %
	Actual Level:	Power On Level:	100.00 %
	0	System Fail Level:	100.00 %
	Set Actual Level	Fade Time	44.7 step/s

e DALI Bus Preferences	💡 📷 💻 read	save					
DALI USB - S/N 9032 Group 0 (G0) ODALI DT8 CW-WW CC 2* 350mA ODALI 4Ch LED Dimmer 16A-1 (A5 DALI 0T8 CW-WW CC 2* 350mA (A DALI DT8 CW-WW (A1)		Device Info Name DALI RGB-PWM 16A Article Number 89453842 Update Manufacturer Lunatone Serial Number 336 Firmware Ver 1.2 DALI Device Type 8 Short Address A4 Set					
	Di DUIM	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 Scene Light Levels [0100%], MASK, Colour RGB					
DALI 4Ch LED Dimmer 16A-1 (A							
DALI 4Ch LED Dimmer 16A-2 (At	ON (MAX)	MASK % 211 0 42 8 MASK % 0 152 101					
DALI 4Ch LED Dimmer 16A-4 (A8	MIN	✓ I MASK % 109 0 84 ✓ 9 MASK % 0 203 50 ✓ 2 MASK % 127 0 127 ✓ 10 MASK % 0 254 0					
DALI Bluetooth 4.0 (eA0)	OFF	Image Image <t< td=""></t<>					
DALI Switch (eA1)	Actual Values	☑ 4 MASK % 42 0 211 ☑ 12 MASK % 101 152 0					
	Actual Level:	Ø 5 MASK % 0 0 254 Ø 13 MASK % 152 101 0					
	0	6 MASK % 0 50 203 14 MASK % 203 50 0					
	50 203 0						
	50,205, 0	Load Lunatone Default Values					
	Set Values	DALI Parameter					
	Sec. 1	MIN Level 1.018 %					
	0 % Set	MAX Level 100.00 %					
		Power On Level 100.00 %					
		Power On Colour R MASK G MASK B MASK					
		System Fail Level					
	50 203 0	ystem Fail Colour R MASK G MASK B MASK					
		Fade time no fade s					
	Set	Fade rate					

DALI controls configuration sites are divided in a device info block and a device setting block. The device setting block often consists of several tabs, in most cases a general settings tab and a tab for each input or sensor (depending on device).

Some devices are grouped like in the picture below. Devices that can have multiple addresses are displayed in DALI Cockpit like that. This "group" can contain settings that are relevant for all the addresses of the device (e.g. Change Operating Mode).



Example for an input of the DALI Switch:



For most controls you can generally define:

- Target address: What DALI devices should be controlled
- Button Function: Behaviour types if button is pressed (e.g. long/short press)
- Command(s): Action to send for the target address

For more detailed information to the parameters that can be configured check the datasheets of the components on the Lunatone site.

[localize	😪 📰 read	📕 📸 💡 sa
DALI USB - S/N 9032 DALI DT8 CW-WW (DALI RGBW-PWM (CONTROL REPORT RTC Timer (A2) DALI CDC (A3) CONTROL COC (eA0)	CC 2* 350r A1)		Device Mi DALI [
DALI Bluetooth 4.0 (eA0)		Setting
DALI Switch (eA1 wDALI Receiver (Rename	2	F2
	Hide Delete a Reset Reset ar	ddress nd delete address	DEL
	Delete o	levice from group	-
	Export of	levice settings device settings	

When a device is right clicked a menu with multiple entries shows up.

Options available for all devices:

- Rename: Changes the name of a device. The name is not saved in the device, just in the network file.
- Hide: Will hide a specific device. Can be displayed again by addressing with system extension.

Delete address: Deletes the address of a device, but it is still listening to broadcast commands.

- Reset: Sets the reset values.
- Reset and delete address: Is a combination of the two points above.

Additional options (only supported by some of our devices):

- Export device settings: Exports the data into a *.xds file.
- Import device settings: Imports data from a *.xds file.

HINT:

With the "Read"-Button at the top of the form the actual component properties are read from the device. After having made changes press the "Save"-Button to store the properties to the DALI-device.

5.6. Macro Usage – Individualize your Application

Each button of a control device can be configured by defining button function (e.g. different action for short/long press, toggle button, stairways control etc.), the effective range and the DALI-Cmd that should be sent in case of the defined input action. In the screenshot above the button 1 is configured to send RECALL MAX broadcast on a button press.

Most devices also provide the possibility to use predefined macros or user-defined command lists instead of sending a DALI Cmd to the bus.

Des	ination Ad	dress									Pow Action powe	er up on after er up:	r	
1:	All (DALI E	road	lcast)		~					~	no c	hange		1
2:	none				~					~	Delay	y:	_	_
3:	none				~					~		0	[07	ec]
4:	none				~					~				
Func	tion: RE1	Pus	builton	1. 30	1.0	VIV								~
					inus en									
-0	ending ON	AN	O STEP	UP a	as Start-	Cmd								
Cr	ending ON nd X (ON (Macro M5:	ANI (md) User	D STEP Define	UP a	as Start-	Cmd dL∽	-							
Cr	nd X (ON C Macro M5: mdX Macro M5:	ANI Cmd) User Sett	Define	UP a	as Start- omman	Cmd d L ~	tings		Open	_				-

A user-defined cmd-list is an individual list of DALI-cmds. In this case the destinationaddresses defined on the top of the page have no effect because the addresses are already defined in the DALI cmds themselves.

A user defined cmd-list can be generated using the "DALI-command" menu (DALI Bus -> DALI Commands -> Commands Over Time).



With the help of this editor a cmd-list can be generated by adding several commands of your choice:

Type	Befehlsauswahl(Pick Command)							
	DALI	⊖eDALI ⊖DALI 24-	·bit ODSI		i speichern			
	Addressing:	Alle (DALI Broadcast)	ıl einfügen					
					hl ändern hl löschen			
					: löschen			
		DALI Dev Type:	LI Dev Type: 0 - Fluorescent lamps					
	Befehl (dez):	999 DIRECT ARC POV	DIRECT ARC POWER V					
	Daten:	Daten: 254 dez autom. Befehlswiederholung						
	100% Frame (hex): FEFE							
	Delay 100 ms Add Command Done							

For each command in the list a destination address and the DALI command can be configured. Furthermore the delay time after the command can be defined. E.g. adding 3 Direct Act Power Cmds for different destinations to the command list will result in a list like the following:

us Befehle	e Zeitge	steuerter Befehlsaufruf					
Туре	Addr	Command	Data	Del	Answ	Datei ö	offnen
DALI	A5	DIRECT ARC POWER 120 (2.58%)	120	100		Datei sp	eichern
DALI	A9	DIRECT ARC POWER 170 (10.09%)	170	300			
DALI	A12	DIRECT ARC POWER 222 (41.74%)	222	1200		Befehl ei	infügen
						Befehl a	ändern
						Befehl	löschen
						Alle lö	schen
						Up	Down
						ST/	ART
						RUN	Schrit
						ST	OP
						Endlor	cchlaife

After saving this list to a file (*.cot) it can be loaded for each user-defined command list of your controls.

The user defined command-lists are a powerful feature. They offer a wide spectrum of additional functions that are not supported by the embedded functions of the device itself. As an example it is possible to send commands to different destinations on short and long button press (whereas in the standard setup there is always the same destination valid for the function defined for the button) or to send several commands to different destinations on a button press. Furthermore a command-list can be used to reconfigure devices (using configuration commands), which can be used to change the function of a control device or to realize dynamic groups and scenes.

HINT:

Please note that user defined commands lists offer high flexibility. Due to this reason each entry in the command list contains information about the destination address. Hence each user defined macro is unique and the list has to be adapted if its function should be applied to another address range!

6. DALI-Line Monitoring

With the DALI monitor the traffic on the DALI-line can be visualised. This may be helpful to analyse if your controls are configured correctly and send the correct commands to control gear on specific events.

An example is shown below.

find Hex:	find Addr:	find Cmd:				
Туре	Hex Data	Address	Command	Time	Date	Delta (mS)
DALI16 IAP	0105	A0	RECALL MAX LEVEL	16:17:05.463	27.09.2017	
DALI16 IAP	0106	AO	RECALL MIN LEVEL	16:17:11.713	27.09.2017	6250
DALI16 IAP	8105	G0	RECALL MAX LEVEL	16:17:19.416	27.09.2017	7703
DALI16 IAP	8100	G0	OFF	16:17:26.374	27.09.2017	6958

The monitor log can be saved to a file. This can be an important help for various analysis.

7. Firmware Update of Lunatone devices

For using the firmware update functions for Lunatone DALI-components you need an activation key to activate this feature (supported from DALI-Cockpit version 1.0.6 and higher). For using this feature select the DALI-USB device in the component tree.



Then press the "Firmware Update" button and enter the activation key to enable this tool. Select the device and the location of the software and press Start.

HINT:

All devices that match the type you selected are updated. If you don't want to update all of them you have to disconnect them from the DALI-line during the update procedure.

No. Multiseder. PAUL-Occipita						
File DALI Bit Productions Producti	👯 DALINetwork - DALI-Cockpit				- 0	×
Image: State State Image: State State Image: State State State Image: State State State Image: State State State State State Image: State State State State Image: State State State State State State Image: State Sta	File DALI Bus Preferences					
Image: Contract Contend Contract Contract Contract Contract Co	🗋 🖻 🔒 💺 🖉 🚺 🎜					
Image: Service						
Image: Control of the second secon	Image: Status Image: S	DO COLUMN TRANSPORT	ALI: Addressing and Com	Imands ddressing commands gure Scenes devices on the bus		
OAU 4Ch LED Dommer 16A-2 (A OAU 4Ch LED Dommer 16A-2 (A OAU 4Ch LED Dommer 16A-4 (A OAU 4Ch LED Dommer 16A-4 (A OAU 4Ch LED Dommer 16A-4 (A OAU 5 witch (cA1) OAU 5 witch (cA2) OAU 5 witch	DALI 4Ch LED Dimmer 10A (A3, A0, A		Filmv	/are update		
P DALI 4Ch LED Dimmer 16A-3 (A Device group: DALI Device: DALI Butcoth A (A GAO) DALI Statch (Ad1) DALI CDC DALI Butcoth (Ad1) WDALI Receiver (6A2) Pow Syste Up Step Up On and Step Up Down Step Down and Off v Recall		Config Control Con				
P JALJ AALLED Ummer Jose 1 (a Porce group: DAU Device All Device		Firmware Update				
All V DAU Serich (cA1) NDAU Receiver (cA2) Poor File D_U_TEMP.FW Up Step Dp On and Step Up Down Step Down Step Down and Off Recall	DALI 4Ch LED Dimmer 10A-4 (A)	Device group:	DALI Device:			
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▼ Recall		Down	Step Down	Step Down and Off		
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			✓ Recall			
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Another option to enter the Update menu is to press the "Update ..." button on the right top of the device info block.

The duration of the update procedure can last up to 15 minutes.

When the update has finished you get the message "Data loaded OK".

DALI USB - S/N 9032 Group 0 (G0) P DALI DT8 CW-WW CC 2* 350mA		Device Info Name DALI Bluetooth Manufacturer Lunatone	4.0 Article Number 8945 Serial Number 1000	3584 Update 52 Firmware Ver 4.	10
		DALI Device Type N/A	Short Address eA0	✓ Set	
 RTC Timer (A2) DALI CDC (A3) DALI RGB-PWM 16A (A4) 		TouchPanel- LED on		Bluetooth version: 1	1.0
DALI 4Ch LED Dimmer 16A (A5,A6,A DALI 4Ch LED Dimmer 16A-1 (A5 DALI 4Ch LED Dimmer 16A-2 (A6	Show button hints	Beeper Enable PIN (4digits)	Power up Action after power up:	Destination Address:	
 DALI 4Ch LED Dimmer 16A-3 (A1 DALI 4Ch LED Dimmer 16A-4 (A8 DALI CS (aA0) 	Number Firmware Upd Device group	late p: DALI Device:	~	~	
DALI Bluetooth 4.0 (eA0) DALI Switch (eA1)	Add ne	✓ DALI Bluetooth 4.0	sec]		~
🖻 wDALI Receiver (eA2)	Remot File: Expon D:_TEMP\F\ Add Lay Delete L Delete L Data loaded	W I_Touch\DALITouchBT_MSP430_V410_ I OK.	RC2_withBL_V1E >> cz ~		~ ~
	Active La		End		

8. Offline Mode

8.1. Save and open network files

With "File \rightarrow Save As" a *.dnc File is created and stores the current configuration you have in your Cockpit. This file includes all parameters from all your devices. Note: The Parameters from the devices must be read out once.



After the file is saved, it can be opened without connection to the DALI line. To look into the configuration of the devices, Offline Mode has to be activated (DALI Bus \rightarrow Work Offline).





When OFFLINE appears above the component tree the devices can be accessed without loading data from the bus.

HINT:

With this file it is possible to change all parameters without directly changing the device settings. When connecting to the DALI USB / Application, the default configuration is that parameters are read out from the devices and overwrite the settings from the file. If you want to apply the changes to the actual DALI lines follow the instructions in 25.

8.2. Edit network files and apply changes to DALI lines

First you have to load a *.dnc File (Creation of a *.dnc File is described in 24) via "File \rightarrow Open". After the devices are shown in the component tree you have to activate the offline mode (DALI Bus \rightarrow Work Offline).

Then you click on the devices you want to configure, change the settings to your needs and click "save" (above the device configuration) and afterwards on "File \rightarrow Save".

No. DALINetwork.dnc - DALI-Cockpit File DALI Bus Preferences		
OFFLINE	💡 📷 💻 read	save
DALI USB - S/N 9032 Gruppe 0 (G0) DALI DT8 CW-WW CC 2* 350mA (A DALI RGBW-PWM (A1)		Device into Name DALI D Manufacturer Lunato

Now if you are again connected to the DALI-line you go into Settings \rightarrow Options and disable the "Read devices on selection" checkbox and click OK.



Load the *.dnc File using "File \rightarrow Open". Afterwards click on the device you changed settings and press on save. The configuration is now stored into the device.