# **User Manual**

# EAE DALI Commissioning Master v1.1.0



EAE Dali Tool					_		$\times$		
Settings Software Version : v1.1.0									
Theme									
Classic							•		
	Reset	Settings							
	Restart /	Application							
Connection									
Connection Type									
USB							•		
Devices									
KNX-USB Interface (MDRC)							•		
Dali GW									
	Connect					•			



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# **1. General**

This software is used to manage DALI lighting projects over EAE Dali Gateway devices. This tool has functions like;

- a. Lamp Fault Check
- b. Capture Field
- c. New Device Addressing
- d. Complete Addressing
- e. Resolve Address Conflict
- f. Swap Device Address
- g. Deleting Devices
- h. Test Installation

# 2. Settings

#### 2.1. Themes

There are 3 theme options. Classic, Funny and Dark.

EAE Dali Tool						– 🗆 ×
Settings			Classic Mode	e		Software Version : v1.1.0
Theme		Classic	T	Reset Settings		Restart Application
Connection						
Connection Type	USB •	Devices		▼ Dali GW	15.15.255	Connect 🝷
eae Dali Tool						- a ×
Settings			Funny Mode			Software Version : v1.1.0
Theme		Funny	Ŧ	Reset Settings		Restart Application
Connection						
Connection Type	USB *	Devices		, Dali GW	15.15.255	Connect 🗸
EAE Dali Tool						- 🗆 ×
Settings			Dark Mode			Software Version : v1.1.0
Theme		Dark	•	Reset Settings		Restart Application
Connection						
Connection Type	USB 🔻	Devices		, Dali GW	15.15.255	Connect -

#### 2.2. Buttons

#### Reset Settings

This button is used to revert the settings to factory default. Group and device list also will be removed. NOTE: This action does not affect on DALI Line.

#### **Restart Application**

This button is used to re-launch the application again.

### **3. Connection**

There are two options to connect EAE DALI Gateways.

- a. USB KNX Interface (KNXUsbFix must be installed on computer)
- b. Network ( IP Router/Interface on Network)

#### **3.1. USB Connection**

Dali Tool						- 🗆 X		
Settings						Software Version : v1.1.0		
Theme		Classic	Reset Settings			Restart Application		
Connection								
Connection Type	USB	• Devices	KNX-USB Interface (MDRC)	▼ Dali GW	1.1.3	Connect -		

Connection Type	: It should be selected <b>USB</b> .
Devices	: It should be selected relevant USB KNX Interface device.
Dali GW	: It should be written relevant EAE Dali GW KNX physical address.

#### **3.2. Network Connection**

Dali Tool							- 🗆 ×
Settings							Software Version : v1.1.0
Theme Classic				•	Reset Settings		Restart Application
Connection							
Connection Type	Network	<ul> <li>Network</li> <li>Interface</li> </ul>	192.168.0.107 * <sup>IP</sup>	192.168.0.107	Dali GW	1.1.3	Connect

Connection Type	: It should be selected <b>Network</b> .
Network Interface	: It should be selected computer IP address.
IP	: It should be written IP Router/Interface network address.
Dali GW	: It should be written relevant EAE Dali GW KNX physical address.

# 3.3. Connect With

EAE Dali Tool									-	D X
Settings									Software Version	n : v1.1.0
Theme		(	Classic		¥	Reset Settings		Resta	rt Application	
Connection										
Connection Type	Network	•	Network Interface	192.168.0.107 V	192.168.0.102	Dali GW	1.1.3		Connect	-
									With Initial Value	
									With Initial Value and	d Fault Info

**Initial Value** : EAE Dali GW's device and group informations will be preloaded after connection established.

**Initial Value and Fault Info** : EAE Dali GW's device, group and fault informations will be preloaded after connection established.



# 4. Device Details

EAE Dali Tool						
Settings						DALI Type :
Theme			Classic		T	
Connection	1					
Connection Type		SB 🔹	Devices		KNX-USB Interface (M	DRC)
		Addressing			Grou	ping
Device Deta	ails					Localizatior
ld	Name	Туре		Fault Info	<b>^</b>	Localizati
1	Device 1	Ballast				
2	Device 2	Ballast				Device Ope
3	Device 3	Ballast				General C
4	Device 4	Ballast			~	Resolve A
						Swap Dev

- a. Id : Device Address (1...64)
- b. Name : Device Name (Visualization only)

c. Type : Device Type ( Ballast, ECK, LED, Multi-Sensor and MSensor )

d. Fault Info : Device Offline, Ballast Fault, Lamp Fault, Emergency Kit Fault and Led Fault

Here is the fault indicators below.

Led Fault								
No Driver Output	No Driver Output Lamp Fault - Led Fault							
No DALI Line	Device Offline	(D.O)						
No Mains Voltage	(D.O)							
Ballast Fault								
No Driver Output	Lamp Fault	(L.F)						
No DALI Line	Device Offline - Lamb Fault	(D.O - L.F)						
No Mains Voltage	Device Offline	(D.O)						
	ECK Fault							
No ECK Output	Emergency Kit Fault	(E.K.F)						
No Driver Output	Lamp Fault - Led Fault	(L.F - L.F)						
No DALI Line	Device Offline - Emergency Kit Fault	(D.O - E.K.F)						



#### **5.** Localization

#### **5.1. Individual Control**

It is used to check the lamps one by one. Desired lamp should be selected before action.

Available actions;

- a. Min : Selected lamp will be dimmed to minimum level.
- b. Max : Selected lamp will be dimmed to maximum level.
- c. Off : Selected lamp will be switched off.
- d. Start Identification : Selected lamp will start blinking.
- e. Stop Identification : Selected lamp will stop blinking.

Dali Tool								– ø ×
Setting	15				DALI Type : DA100 v2.20			Software Version : v1.1.0
Theme		Classic		Ŧ	Reset Settings		Restart Ap	plication
Connectio	on							
Connect	tion Type USB	• Devices		KNX-USB Interface (MI	DRC) Tali GW	1.1.1		Disconnect
	Addre	ssing		Grou	ping		Project	
Device De	etails				Localization			
Id	Name	Туре	Fault Info	A	Localization	Individual Control		•
1								
2	Device 2	Ballast			Individual Control			
3	Device 3	Ballast			Operations		Min	-
4	Device 4	Ballast						May
				×	Device Operations			Start Identification
					General Operations	Complet	e Addressing	Stop Identification
					Resolve Address	1		Resplw Off
					Swap Devices	1		Swap

#### **5.2. Optic Feedback**

It is used to control selected and unselected lamps together. So that, desired lamp can be identified easily. Desired lamp should be selected <u>after</u> action selection. Available actions for selected and unselected devices;

- a. Min : Selected/Unselected lamps will be dimmed to minimum level.
- b. Max : Selected/Unselected lamps will be dimmed to maximum level.
- c. Off : Selected/Unselected lamps will be switched off.

📶 Dali Tool										-		×
Settin	gs					DALI Type : DA1	00 v2.20			Software Version	: v1.1.0	*
Theme			Classic		Ŧ		Reset Settings		Rest	art Application		
Connect	ion											
Connec	tion Type U	SB v	Devices		KNX-USB Interfac	e (MDRC) 🔹	Dali GW	1.1.1		Disconnect		
		Addressing			Group	ping			Project			
Device D	etails					Localization						
Id	Name	Туре		Fault Info	<b>^</b>	Localization		Optic Foodback			•	
1	Device 1	Ballast						Optic Feedback	<b>x</b>			
2	Device 2	Ballast				Optic Feedback						
		Ballast				Antian Carller	dested Devices					
4	Device 4	Ballast				Action For Unselected Devices Off		Off		٣		
					*	Action For Selected Devices		Min		•		
						Device Operatio	inc					



# **6. Device Operations**



General Operations				
Complete Addressing	It is used to assign an address for each devices in DALI line. All devices will be addressed regardless the devices have addressed before or not.			
New Device Addressing	It is used to assign an address to the unaddressed devices only. Addressed devices wont be affected.			
Capture Field	It is used assing address for not addressed devices or remove address If device is not connected to DALI line anymore. Current addressed devices wil not be changed.			
Start Test Installation	It is used to blink all devices in a DALI line.			
Stop Test Installation	It is used to stop blinking and switch ON for all devices			
Refresh Device Data	Is it used to recall device data on Dali GW.			
Refresh Fault Data	Is it used to recall device data on Dali GW including fault informations.			

Resolve	It is used to resolve device address conflicts. Conflicted address should be written here. When proccess is done, conflicted device address will be removed and new address will be assigned to them.
Swap	It is used to change device addresses between two device (same type). It is also used to change device address to not used device address. NOTE: 64th address should be free to execute this function.
Delete Device	It is used to remove device address which is written. NOTE: 64th address should be free to execute this function.



# 7. Grouping

This menu is used to add device to the groups.

- a. Devices can be selected with Left-Click
- b. Click Left then drag and drop to the desired group table





# 8. Project

Dali Tool				- 🗆 ×
Settings		DALI Type : D	0A100 v2.20	Software Version : v1.1.0
Theme	Classic	•	Reset Settings	Restart Application
Connection				
Connection Type USB •	Devices	KNX-USB Interface (MDR/ V	Dali GW	Disconnect
Addressing		Grouping		Project
Add Current Device	Impor	t	Export .dalitool	Export .csv
Devices				

Add Current Device	Dali Gateway name can be added. This is used fo visualization only. Dali GW device name will be shown with own KNX physical address.		
Import	It is used to import .dalitool file. These files contain Dali Gateway device and group lists.		
Export .dalitool	It is used to export device and group list with its own format.		
Export .csv	It is used to export device and group list with CSV Excel file format.		