

EAGLERISE NFC PC Instructions

Catalog

1. Software and Tools Configuration	2
1.1 Reading Devices	2
1.2 Equipment Connection	2
2. Read Data	
2.1 Reading Data	
2.2 Importing Data	
3. Write Data	4
3.1 Equipment Identification	
3.2 Current Configuration	5
3.3 DIP Switch	5
3.4 Constant Lumen	6
3.5 Dimming Curve	7
3.6 Short Address	7
3.7 Emergency Mode	7
3.8 DALI Basic Parameter	8
3.9 Lighting Maintenance Information	
3.10 Corridor Mode	9
4. Points For Attention	11

1. Software and Tools Configuration

Download the installation package from Eaglerise's official website https://lighting.eaglerise.com to your computer and install it.

1.1 Reading Devices

The power supply is placed in the specified area on the reader. As shown in the figure below, the ID CPR30-USB is a desktop device for contactless data exchange with transponders compliant with ISO 15693 and ISO 14443-A/-B, in accordance with Zhaga Book 24. The device supports contactless data exchange with transponders compliant with the ISO 15693 and ISO 14443-A/-B standards and is powered and communicates with the PC via the USB interface.



1.2 Equipment Connection

After the card reader is connected to the computer, click "Settings", "Search and Connect" to identify the card reader.

	Interface		Interface
Dashboard	Se NFC	Dashboard	Se NFC
Configure	无设备	Configure	ID CPR30.xx
Settings 1	Disconnected	Settings	Connected
	Search And Connect 2		Disconnect

2. Read Data

2.1 Reading Data

Click "Read" on the workbench to display the number of read devices and basic information, including product name, GTIN code, etc. (When you put more than one device at the same time, you can only read the information of one device).



2.2 Importing Data

If the product is damaged or needs to be replaced, the parameters can be read out and written to a new model of the same model, saving time and labor maintenance costs. The old product information can be imported to achieve the same setting data configuration information.



3. Write Data

"Product" can select the same type of model to write data; "Import" can select the parameter information saved in the previous configuration, and you can edit the parameter information for the settings as needed; "Save" can export the configured parameter information; "Preview" can give you a rough view of the basic information of the product.



When you need to write the data after editing, click the write symbol next to the product image, and three different states will appear. The blue one is the first write state; the green one is the mark of successful write. When the first write is successful, the subsequent write status is green, and you only need to click again to write; red means that the relevant product is not recognized or there is a read/write error.

	Result Idle Identified Devices		Result Success I Identified Devices
	Result Product not detected Identified Devices		

3.1 Equipment Identification

When you need to write the data of multiple models at the same time, you have to change the number of boxes to the corresponding number of models (the maximum can not be more than

25 units and must be the same model), go back to the workbench and click m V , the number

of devices can be written successfully.

		FLX-42-1050 DALI-2 0-10 LN PRO	
shboard	Product Import	Save Preview	
figure	Features	Configuration Data	Actions
ngs	Box Programming	{ Box Size: 1, }	Edit Reset
	Output Current	{Channel 1 Current: 1050,}	Edit Reset
	Dip selection	{ Is not set }	Edit Reset
	Constant Light Output	{ Time -0[0-127.5 KHour]: 0, Time -1[0-127.5 KHour]: 0, Time -2[Edit Reset
	Dimming Curve	{ Logarithmic Curve }	Edit Reset
	Short Address	{ Short Address: Unaddressed, }	Edit Reset
	DC Level	{ Enable: Y, DC Level: 15, }	Edit Reset



3.2 Current Configuration

According to your own needs to set the current size of the drive output, click "Edit", set the required current, return to the workbench and click $\stackrel{\checkmark}{\smile}$ to write.



3.3 DIP Switch

The Dip Switch can be selected into different types according to user needs. "Dip only" means

that the current can only be set through the DIP code, "NFC only" means that the current can only be set through NFC, and "Dip and NFC multiplication" means that the current can be set through the DIP code or NFC at the same time, not just one way to set the current. After setting, go back to workbench and click to write .



3.4 Constant Lumen

Lumens are a measure of the brightness of light visible to the human eye. The higher the lumen value, the brighter the light source. The higher the lumen value of a light source, the brighter the light it emits. By setting the lumen value of the output, it can make the luminaire more efficient, longer service life, and also save a lot of energy, reduce power consumption, and save environmental resources more effectively. It is possible to set different time segments and set the percentage of output in the range of 0-127.5 thousand hours. After setting, go back to the workbench and click to write . When you don't use this function, turn off the "Enable", then this function will not work.



3.5 Dimming Curve

The dimming curve can be selected as a logarithmic curve or a linear curve. The difference between the two depends on the specific application requirements and the user's visual experience requirements.Linear dimming provides uniform brightness changes, while logarithmic dimming provides brightness changes that are more in line with the human eye's perception, which can be used according to the actual use of the environment and the user's needs to decide which dimming method to use.

Once the settings are complete, go back to the workbench and click $\overset{igssymbol{\bigvee}}{\frown}$ to write .



3.6 Short Address

Short addresses can only be used in DALI drivers. A standard DALI system can have up to 64 power supplies with independent addresses. The maximum current provided by the DALI system is 250mA, which is a limitation of the DALI system. After the setup is complete, go back to the workbench and click to write .

roduct Impo	rt Save Preview		
Features	Short Address		×
Box Programming			E
Output Current	Short Address[0-63]: 60	Unaddressed	E
Dip selection			E
Constant Light Ou			E
Dimming Curve		ок	E E
Short Address	{ Short Address: 60, }		i
DC Level	{ Enable: Y, DC Level: 15, }		E

3.7 Emergency Mode

The emergency mode will only take effect when the drive has an emergency function and is connected to the emergency system. At that time, the current output percentage of the emergency mode can be set to save energy and electricity. After the setting is complete, return to the workbench click view to write .



3.8 DALI Basic Parameter

The basic parameters of DALI can be set as group, scene brightness, fade time, minimum and maximum brightness, etc. You can set the corresponding parameters according to your needs. After setting up, go back to the workbench and click vite.

	6	DALI Parameters				
	Ľ	Group				
Dashboard		Group0	Group1	Group2	Group3	
Configure		Group4	Group5	Group6	Group7	
ooningare		Group8	Group9	Group10	Group11	
Settings		Group12	Group13	Group14	Group15	
	0	Scene Level0	[0-100%]:	Scene CCT0 [20	00-7000k]:	
	0	Scene Level1	[0-100%]:	Scene CCT1 [20	00-7000k]:	
		Scene Level2	[0-100%]:	Scene CCT2 [20]	00-7000k]:	
		Scene Level3	[0-100%]:	Scene CCT3 [20	00-7000k]:	
		Scene Level4	[0-100%]:	Scene CCT4 [20	00-7000k]:	
	0	Scene Level5	[0-100%]:	Scene CCT5 [20	00-7000k]:	
	0	Scene Level6	[0-100%]:	Scene CCT6 [20	00-7000k]:	
		Scene Level7	[0-100%]:	Scene CCT7 [20	00-7000k]:	
	0	Scene Level8	[0-100%]:	Scene CCT8 [20	00-7000k]:	
		Scene Level9	[0-100%]:	Scene CCT9 [200	00-7000k]:	
	0	Scene Level10	[0-100%]:	Scene CCT10 [20	000-7000k]:	
		Scene Level11	[0-100%]:	Scene CCT11 [20	000-7000k]:	
		Scene Level12	[0-100%]:	Scene CCT12 (20	000-7000k]:	
		Scene Level13	[0-100%]:	Scene CCT13 [20	000-7000k]:	

3.9 Lighting Maintenance Information

You can set the rated lifetime, internal reference temperature and rated number of switching

times for the lamps. During the use of the lamps, the real-time data read can be compared with the information set here to carry out regular maintenance and other operations on the Lamps. After the setting is completed, go back to the workbench and click on to write it.



3.10 Corridor Mode

The corridor mode uses the connection between the sensor and the driver to achieve the effect of turning off the lights when people leave. Turn on the "Enable" button to set the brightness and fade time. When this function is not in use, turn off "Enable" and this function will not work. After the setting is finished, go back to the workbench and click to write.



3.11 OEM Parameters

OEM parameters can be selectively set according to customer's own requirements and at the same time you can set a password for the OEM parameters, so that no one without a password can access the set parameters.

Product Import Save Preview	_	Product Import	Save Preview	
OEM Data		OE	И Кеу	×
Luminaire Year Of Manufacture[0-99]:	Luminaire Week Of Manufacture[0-53]:	Features	* Current Password:	Action
Nominal Input Power [W][0-65534]:	Power At Minimum Dim Level [W][0-65534]:	Output Curre	③ □ Reset Password	Edi
Nominal Minimum AC Mains Voltage [V][90-480]:	Nominal Maximum AC Mains Voltage [V][90-480]:	Dip selection		Edi
Nominal Light Output [Lm][0-16777214]:	CRI[0-100]:	Constant Lig	New Password:	Edi
CCT[0-17000]:	Light Distribution Type:	Dimming Cu	New Password Again:	Edi
Luminaire Color:	Luminaire Identification:	Short Addre		OK Edi
	OK 21	DC Level		Edi
Corridor Function { Enable: N, Fode In	Time: 0, Hold On Time: 120, Fade Out Time: Edit Reset	DALI Parameters	{ Group: 00000000000000, Scene Level0: MASK, Scen	e Lev Edi

3.12 Batch Data Writing

In addition to writing a single parameter, when you need to set multiple parameters at the same time, after setting the parameters to be changed, return to the previous interface, check the parameter items to be set and write multiple parameter settings at one time.

Product Import Sa	FLX-42-1050 DALI-2 0-10 LN PRO		
Features	Configuration Data	Actions	
Box Programming	{ Box Size: 1, }	Edit	Reset
Output Current	{Channel 1 Current: 500,}	Edit	Reset
Dip selection	{ Dip switches are multiplied by NFC }	Edit	Reset
Constant Light Output	{ Time -0[0-127.5 KHour]: 0, Time -1[0-127.5 KHour]: 0, Time -2[Edit	Reset
Dimming Curve	{ Logarithmic Curve }	Edit	Reset
Short Address	{ Short Address: 60, }	Edit	Reset
DC Level	{ Enable: Y, DC Level: 15, }	Edit	Reset
DALI Parameters	{ Group: 000000000000000, Scene Level0: MASK, Scene Lev	Edit	Reset
Luminaire Maintenance Data	{ Rated Median Useful Life Of Luminaire: 254, Internal Control G	Edit	Reset
Corridor Function	{ Enable: N, Fade In Time: 0, Hold On Time: 120, Fade Out Time:	Edit	Reset
OEM Data	{ Luminaire Manufacturer GTIN: MASK, Luminaire Identification	Edit	Reset
OEM Key		Edit	Reset
Reset To Factory Default	{ Reset To Factory Default: N, }	Edit	Reset

3.13 Restore Factory Settings

When the user wants to restore the parameters set by one click, just click Restore Factory Settings to write. However, this operation will not restore the short address and OEM parameters. If you need to change them, you need to delete them on the corresponding

interface.



4. Points For Attention

1. It is necessary to ensure that the reading device is connected successfully before reading and writing operations, and the first time you connect to read to select the same product as the reading model.

2. The driver must be powered off before NFC reading and writing; the NFC data written will take effect after powering up.