HDL®

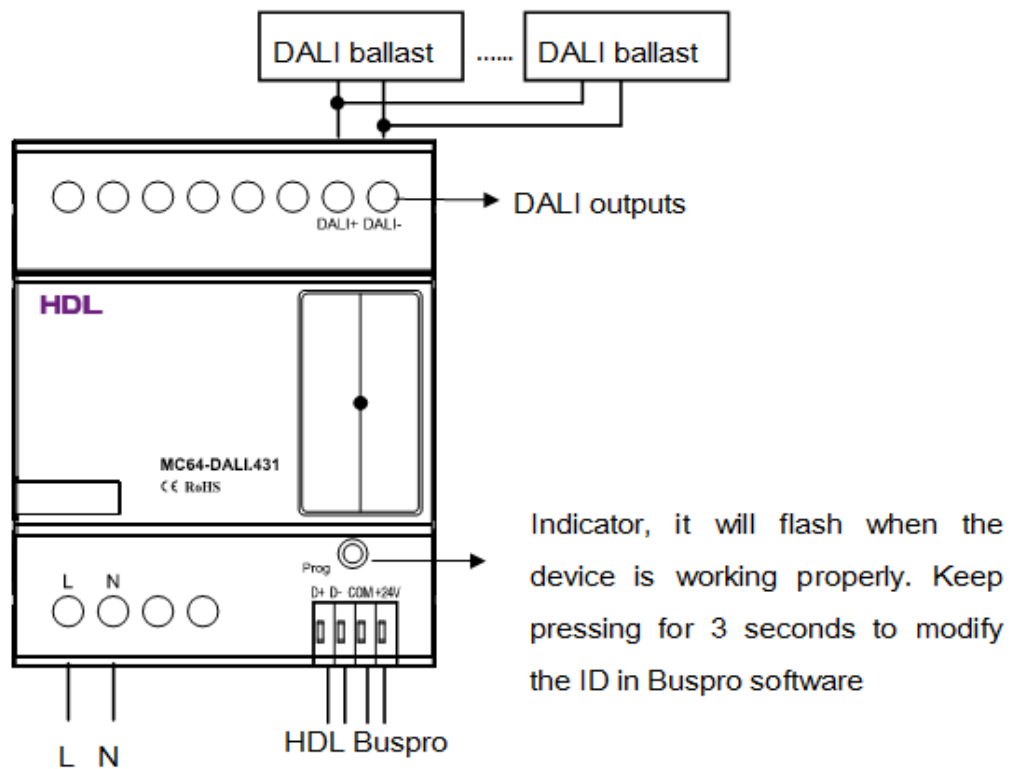**DALI Scene Controller**
HDL-MC64-DALI.431

DALI Introduction

HDL-MC-DALI.431

Functions:

- Gateway between HDL Buspro system and DALI Ballast
- Max. 64 channel DALI ballasts can be connected to this module
- With scene control
- Maximum 16 separate areas, supports area dimming
- Each area has 16 scenes and maximum scenes running time is 90.51s.
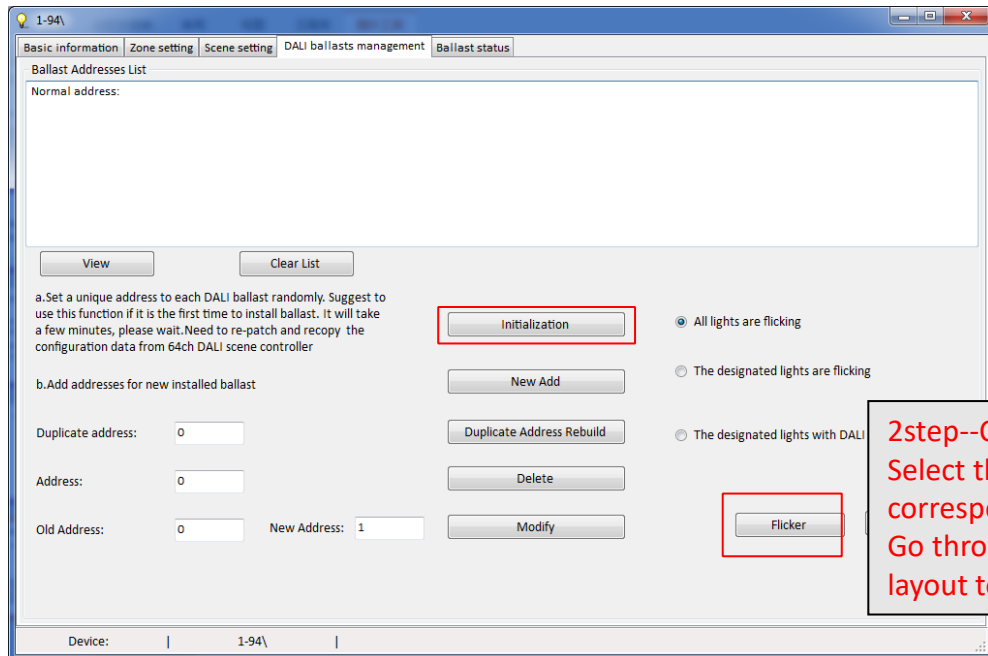
Wiring

Indicator, it will flash when the device is working properly. Keep pressing for 3 seconds to modify the ID in Buspro software

DALI address\Patch

Address the DALI Devices

1step--If it is a new installation use "Initialization" to set all of the addresses, the DALI ballasts will be addressed randomly.

When the addressing is finished you will see all the addresses in the blue section.

2step--Check the address of each device

Select the DALi Address, click the flicker button to make the corresponding address flash.

Go through every address at a time and write on your floor layout to show which luminaire has which address.

Zone Setting

Step3- Configure Zone
Configure zone and add channels to your zone. zone in HDL directly correlate to groups in DALi

When you are configuring areas –
after clicking on save you will
actually send the group settings to
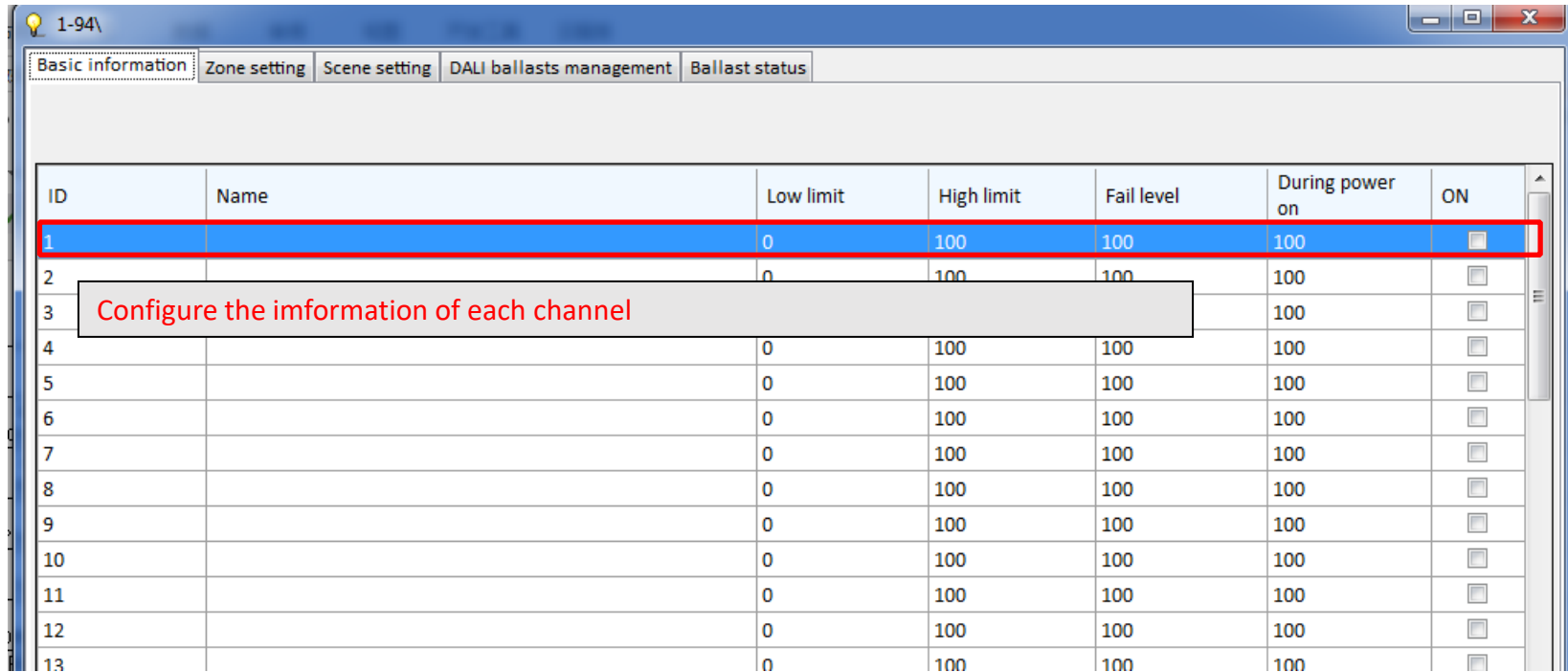the DALi ballasts

HDL Area	DALi Group
1	0
2	1
I	I
16	15

Zone Setting

Channel

Step4- Configure Channels

Check and configure the settings for all channels.

Scene

Step5- Configure Scenes.

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Scene Restore

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Controlling

Step8- Controlling

You can control the DALi devices using any of the standard HDL commands:

Single Channel Command to set a single DALi device

Scene Command to set a Group to a specific scene

The DALI64 supports direct DALi group control. By using HDL single channel commands you can set or dim a whole Area / Group of ballasts.

To directly control a whole area or group use channels 65 to 80, these are mapped to the DALi Groups 0 to 15

HDL Channel	HDL Area	DALi
65	1	0
66	2	1
67	3	2
79	15	14
80	16	15

Emergency or Fire Mode

Emergency or Fire Mode

The function of this mode is:

1. Set all ballast on a per area basis to 100% when there is an emergency – for example used in a hospital when there is a fire alarm to assist with evacuation.

2. When the fire alarm is cleared each ballast returns to the setting it had before the emergency.

Universal switches are used to set the emergency mode on or off on an area by area basis.

Universal Switch number	Area	DALi Group
1	1	0
|	|	|
|	|	|
16	16	15

Emergency or Fire Mode

For example:

Area 1 contains channels 1, 2, 7 and 8

Area 2 contains channels 3, 4, 5 and 20

Current settings are:

1- 80%, 2 - 100%, 7 - 0%, 8 - 80%;

3 - 45%, 4 - 80%, 5 - 100%, 20 - 100%.

Set universal switch 1 "on" (makes Area 1 go to emergency mode)

1, 2, 7 and 8 all go to 100%

3, 4, 5 and 20 do not change

Set universal switch 1 "off" (makes Area 1 return to previous settings)

Channels in area 1 go to

1- 80%, 2 - 100%, 7 - 0%, 8 - 80%;

Channels in area 2:

3, 4, 5 and 20 do not change

HDL ®

Serious about smart buildings.