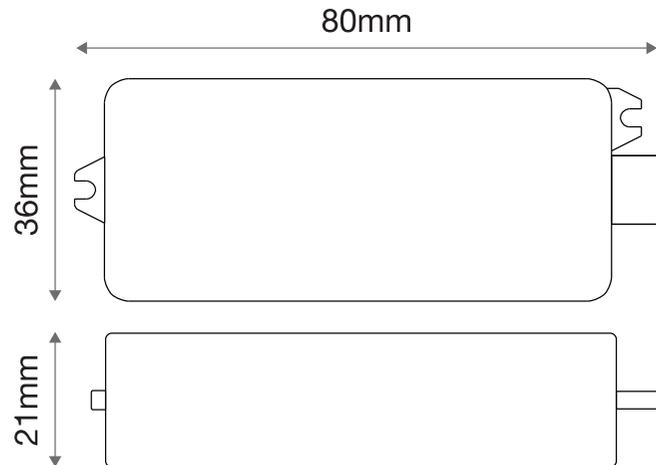# Returns & Faulty Items

- If any problem is encountered during or after installation, please call the ALL LED technical department to get the problem resolved as soon as possible.
- Please do not just return the item to the outlet you purchased it from, as you are only entitled to a replacement or refund after the unit has undergone testing and the unit has been confirmed as having a manufacturing defect/fault. Your statutory rights are not affected.
- The manufacturer will not be deemed liable or held responsible for any damages caused by faults or manufacturing defects that may be present in any of its products or the misuse or incorrect installation of this device. Please refer to our troubleshooting guide for further information.
- All goods are supplied under the terms and conditions of ALL LED LTD, a copy of which may be obtained upon written request.

General Information

- Interference may occur with other products on the same frequency of 2.4Ghz
- Product may differ in colour from image on box
- Range signal can be reduced when using within materials such as concrete & metal

Dimensions

80mm

36mm

21mm

ALL LED®

GUARANTEE 5 YEAR

ALL LED®

PLEASE READ BEFORE USE!

iQ™

INSTALLATION GUIDE
AiQ/DALI/0/1-10V
SMART-DALI

Technical Specifications

Input		Output, DALI		Output, 0/1-10V	Output, Relay		Environment		Other
Power	Transmission Frequency	DALI PS Current	DALI Current Consumption	Current	Switching Voltage	Current	Operating Temperature	Relative Humidity	Dimensions
110-240 VAC	Zigbee 2.4GHz	Max. 50mA	Max 4mA	Max. 20mA	110-240VAC	Max. 5A	-20°C~ +50°C	8% to 80%	80 x 36 x 20.5 mm

- DALI signal or 1-10V signal output selectable by DIP switch
- Built-in DALI bus power supply, no extra DALI bus PS required
- With max. 50mA DALI bus power current output
- To supply control current to up to 25 DALI control gears
- DALI DT6 or DT8 device type selectable by DIP switch under DALI mode
- Colour control according to DALI specifications of Device Type 8
- Colour type: Tc, XY coordinates, RGBW selectable by DIP switches
- DALI address control mode or group control mode selectable by DIP switch
- Can directly pair to a compatible ZigBee remote via Touchlink
- Compatible with universal ZigBee remotes

- Supports self-forming ZigBee network without coordinator
- Supports find and bind mode to bind a ZigBee remote
- Supports zigbee green power and can bind max. 20 ZigBee green power remotes
- Enables to select the DALI address (00-63) to be controlled by DIP switches
- Enables to select the DALI group (0-15) to be controlled by DIP switches
- Enable to control 1 DALI Group of devices or 1 DALI Address on DALI line
- Enable to control all devices on DALI line via broadcast
- Waterproof grade: IP20

Pairing Instructions

Initial programming of an entire system can be done as simply as: Fusebox Lighting Breaker OFF (5 Seconds), then ON.
Say "Alexa, add a device" or search on relevant app.
After the device has been added to a network successfully, a 3 minute window will open for find and bind (for remotes)
Network Mode: 60 Seconds
Find and Bind (for remotes): 3 Minutes

If the 1 minute window elapses, simply switch the module on and off. It will enter network pairing mode again.

Network Pairing Mode:
Network mode automatically happens when the product is fi rst switched on.

This mode enables the user to connect the smart module to a network hub/gateway. This mode will last 1 minute or until a connection has been established. If successful, the lights will flash. Once the time limit has elapsed, the module will go into a normal state, with a 3 minute window to pair any remotes. Once added to a network, the module must be factory reset if the network must be changed.

Find and Bind Pairing Mode (Remote Controls):

Note: If using the items on a smart device, you MUST pair the module and remote to the hub PRIOR to pairing with any remote control.
If using the module directly with a remote, you may proceed as below.

To set to this mode, toggle the power (Care Note on Discharge Timings) 4 times
From ON - OFF>ON>OFF>ON>OFF>ON>OFF>ON
Or push the program button on the module 4 times.
The pairing mode enables the user to connect or to disconnect from a remote device such as a handheld remote. The mode will last 3 minutes. If successful, the lights will flash.
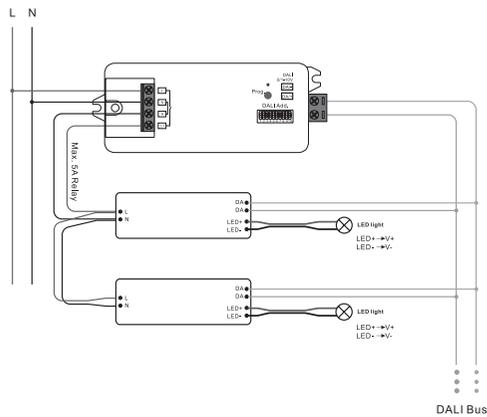
Factory Reset:

To set to this mode, toggle the power (Care Note on Discharge Timings) 7 times
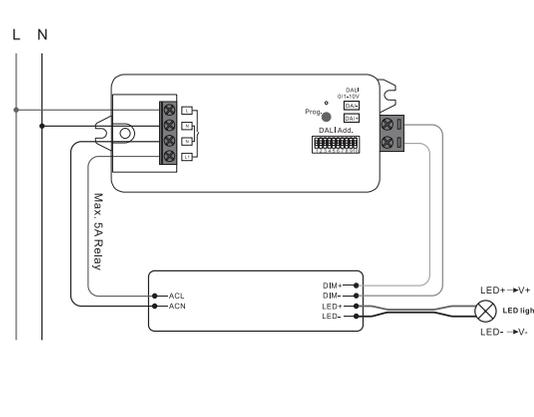From ON - OFF>ON>OFF>ON>OFF>ON>OFF>ON>OFF>ON>OFF>ON>OFF>ON
Or push the program button on the module 7 times.
Factory reset mode will remove all paired connections to the module. If successful, the lights will flash. After the reset has completed the module automatically goes into network pairing mode.

Dali Wiring Diagram:

1-10V Wiring Diagram:

2

Safety & Warnings
- DO NOT set the DIP switches with power applied to the device
- DO NOT install with power applied to device
- DO NOT expose the device to moisture
- Factory Reset the Device After Dipswitch Change
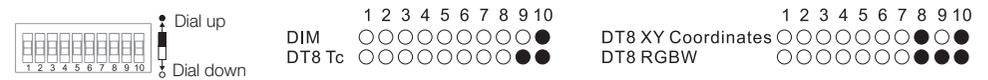
Unit By Default is DALI Dim Broadcast

Operation

1) Select DALI or 0/1-10V output using dial switch 10

Note: First select output signal by the dial switch

2) Select DALI device type (DT6/DT8 colour type) to be controlled using dial switches 8-9

Note: Once DALI output is selected, select the DALI device type you would like to control by the dial switches
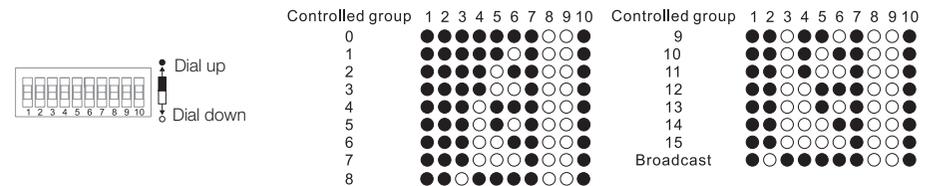
3) Select DALI address or group control mode using dial switch 7

Note: Once DALI type is selected, please then select address control mode or group control mode by dial switch.

4) Select DALI group to be controlled using dial switches 2-6
Note: Here the device type is selected as DIM as an example, select your correct DALI device type.
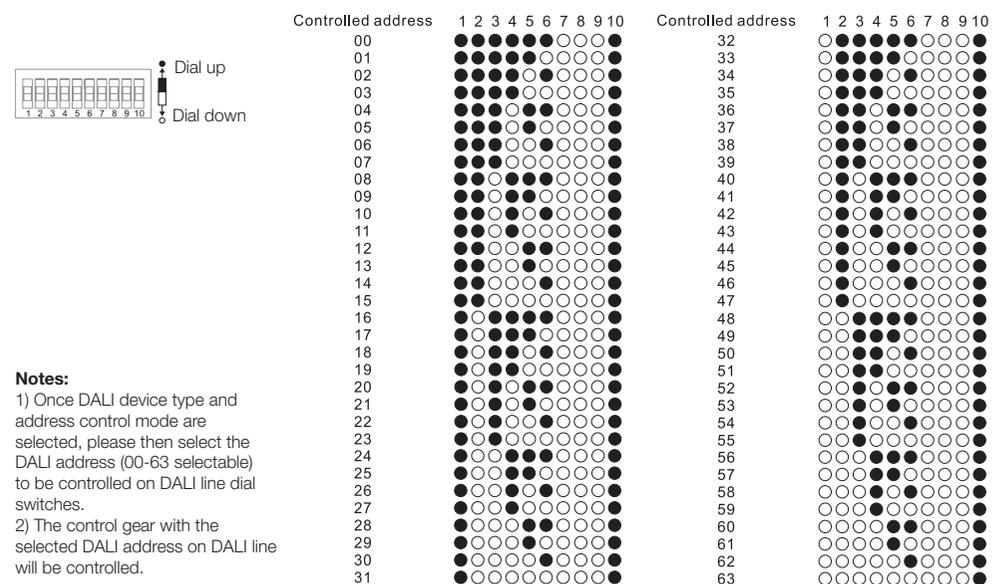

Notes:
i) Once DALI device type and group control are selected, please then select the DALI group (0-15 selectable) to be controlled on DALI line by dial switches.
ii) The control gears that are assigned to the selected DALI group on DALI line will be controlled.
iii) The control gears shall be first grouped by a DALI master controller, please refer to the user manual of corresponding master controller.

5) Select the DALI address to be controlled using dial switches 1-6
Note: Here the device type is selected as DIM as an example, please select your correct DALI device type.

Notes:
1) Once DALI device type and address control mode are selected, please then select the DALI address (00-63 selectable) to be controlled on DALI line dial switches.
2) The control gear with the selected DALI address on DALI line will be controlled.