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M - WIRELESS CONTROL DIM5   **A**

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IP20 CE
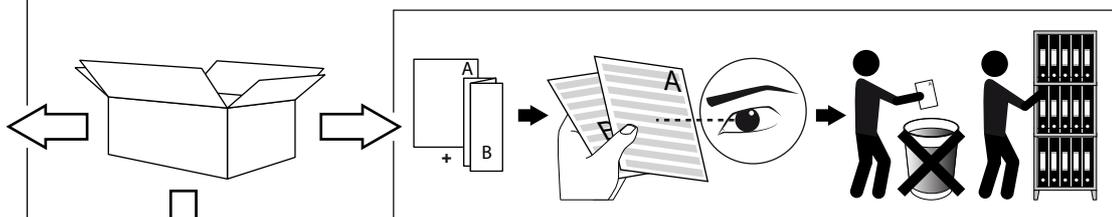
Description

The M - wireless control DIM5 is used to control lamps with DALI drivers via mobile devices on the Delta Light SLM tracks.
The Casambi App that generates the Bluetooth signal is sent from a compatible mobile device.
This signal is received and processed by this module that generates the appropriate DALI signal
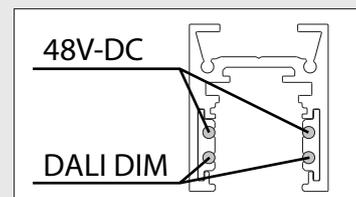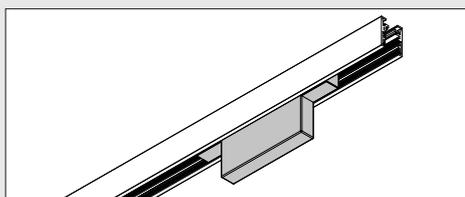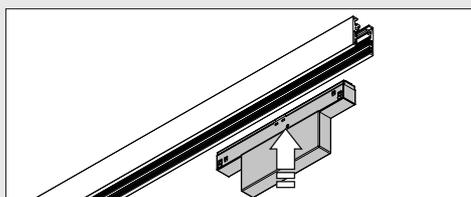
Features

- Power supply 48Vdc not polarized
- Suitable for installation on Deltalight SLM tracks with electrical connection required by track
- Fuse on board and protected against voltage peaks
- The module generates the DALI line and commands compatible according to the IEC 62386 standard (not optoisolated),
  it is not possible to connect other DALI masters on the same line
- Possibility to controll up to 64 DALI devices (control gear)
- The lamps are controlled by DALI commands using the "group" method, each lamp programmed to a specific group will
  respond to the commands received.
- Control of 8 groups using the Casambi EVOLUTION network.

Technical Specifications

Feed		Absorbed power	Output DALI current	Ambient working temperature	
Min	Max		Max	Min	Max
24 Vdc	48 Vdc	6W	180 mA	-20°C	+40°C

Connections

ATTENTION

RESPECT ELECTRICAL CONNECTIONS ON TRACK

48V-DC

DALI DIM

ATTENTION:

- All new devices should be **disconnected**. To assigns groups see **SELECTIVE PROGRAMMING** (page 2)
- Respect the correct power supply line and the DALI line
- The DALI line is controlled by an M - wireless control DIM5, multimaster operation is NOT possible
(i.e. multiple DALI master devices on the same line)

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Operation

-Requirements:

SLM-magnetic profiles, compatible DALI lamps (control gear IEC62386-102), M - Wireless control DIM5, CTRL Delta device, Smartphone / Tablet for using the Casambi APP.

-Incompatible devices:

DALI master (control device IEC62386-103) or line power supplies (bus power supply IEC62386-101).

- Connect the power supply and DALI Bus to the track as per the manufacturer's instructions.
- Before using them, the lamps must be configured, as described in the section "PROGRAMMING DALI LAMPS".

PROGRAMMING DALI LAMPS

Lamps must be new and/or reset if used previously. In this case, see the **RESET LAMPS** section (page 4).

Before programming the lamps, it is recommended to install and configure the relative APP, for the Casambi APP see the **Casambi CONTROL** section (page 4).

FULL AUTOMATIC PROGRAMMING

With this programming, M - Wireless control DIM5 takes care of the complete configuration of the system, but it is not possible to manage the assignment of the lamps to the Groups.
For group programming see **SELECTIVE PROGRAMMING** (page 3).

Example: M - Wireless control DIM5, on track, with unprogrammed lamps.
In automatic mode, the DALI bus is immediately scanned.
Each lamp is programmed, assigning it an address and a group to which it belongs, from 0 to 7, automatically and sequentially.
Having reached the programming of the eighth lamp, M - Wireless control DIM5 will continueassigning the ninth again to Group 0 and then again to grow.
*All the lamps present on the BUS will be programmed, **for a maximum of 64**.*
Unprogrammed lamps will initially appear on, to go off one at a time, as they are successfully programmed. At the end of the process, the lamps will turn on again.

IMPORTANT: Groups 0 to 7 will directly correspond to the 8 sliders in the control app.

If the power supply fails, or the M - Wireless control DIM5 is removed from the track, upon reset / reinsertion,M - Wireless control DIM5 immediately checks for the presence on the bus of newlamps (without address and Group) and if any are found, assigns them theaddress and group, in the same way as described for the first start-up, starting from the first free Group address.
After this phase, which lasts a few seconds, the system is operational again.
All lamps already programmed, even added later, will keep the data, which they will use in normal operation.

SELECTIVE PROGRAMMING - CREATION OF GROUPS

It is possible to decide on the assignment group of unprogrammed lamps, using the control mechanism when power is restored, remembering that:
- Addresses and groups will be assigned starting from the first free Group address
- That already programmed lamps will keep the assignment with selective programming.
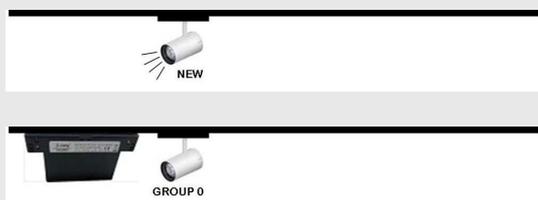It is possible to check the status of the lamps and the related groups created by the APP as you proceed. It is therefore possible to manage the programming and at the same time check it through the APP.
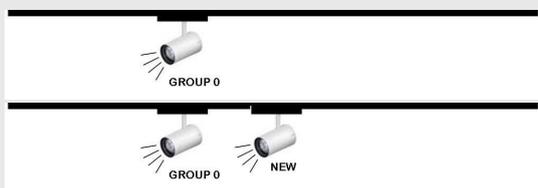
Here is an example:
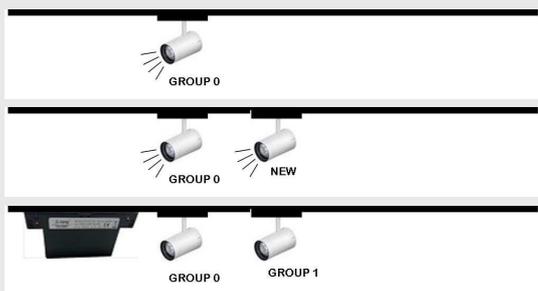-With power supply connected and present, with empty track, insert the first lamp to be programmed: it must turn on.
If it does not turn on, check that it is fully inserted into the track.

Insert M - Wireless control DIM5 in the track
- After a few seconds the lamp goes out to indicate
the successful association with Group 0 (the first free) controlled by the first slider of the App.

NEW

GROUP 0

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If it does not turn off, check that it is fully inserted into the track (DALI side).

- Remove M - Wireless control DIM5 from the track again
- The lamp just programmed will have to turn on again

- Insert a new lamp to be programmed into the track
- This lamp must also light up

- Insert M - Wireless control DIM5 in the track
- After a few seconds, the new lamp also turns off to indicate
- That it has been associated with Group 1 (the first free Group), controlled by the second Slider of the APP

- Remove M - Wireless control DIM5 from the track and proceed with the subsequent lamps to be programmed.
As already seen, each new lamp will be progressively assigned to the first free group between 0 and 7.

ASSOCIATION OF OTHER LAMPS TO GROUP 1

To associate other lamps to Group 1:
- Check that at least one lamp assigned to Group 0 is inserted in the track
- Check that no lamps assigned to Group 1 are inserted in the track
- Remove the M - Wireless control DIM5 from the track:
        the Group 0 lamp switches on
– Insert the lamp to be associated with Group 1 in the track: this too must turn on.

- Insert the M - Wireless control DIM5 in the track
- After a few seconds the new lamp switches off to indicate that it has been associated with Group 1

Remove the M - Wireless control DIM5 from the track: the lamps turn on
- Remove from the track only the lamp just associated with Group 1 and set it aside
- Insert the new lamp to be associated again with Group 1: it must turn on.
- Insert the M - Wireless control DIM5 in the track
- After a few seconds the lamp switches off to indicate
- That this new lamp has also been associated with Group 1

By repeating this sequence it is possible to safely assign other lamps to Group 1.
If you want to assign some lamps to group 2, it will be necessary to always keep a lamp already assigned to each of the previous Groups (Group 0, Group 1) inserted in the track and repeat the sequence described above for all the lamps to be associated with Group 2.

Once all the lamps have been programmed, it is possible to insert them in the track: the lamps assigned to a specific group will be controlled together by the relative cursor directly from the APP interface

PROGRAMMING WITH EXTERNAL DALI PROGRAMMER

With a master DALI device program the group of each lamp.
Valid groups are only groups from 0 to 7 inclusive.
By assigning the lamp to a group greater than seven, the lamp will not execute any commands

ATTENTION
*By connecting and powering the track without programming the system , the
M - Wireless control DIM5 will program all the new lamps in a RANDOM mode.*

RESET OF LAMPS (erasure of DALI group assigned to lamps)
Using the Casambi APP:
        act on the main icon (in the picture) as if to turn all the devices on and off,
        20 consecutive times.
During this phase, the lamps will follow the on and off commands
and then stop working at the twentieth maneuver.
This situation will confirm the reset of the lamps present in the system.

In some cases, even less than 20 cycles may be enough to reset.

CTRL DELTA

M - WIRELESS CONTROL DIM5

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IMPORTANT: *to guarantee the correct reprogramming, after the reset, both lamps and M - Wireless control DIM5 should be removed from the track and kept off the track, for at least 15 sec*

The system is now ready to be reconfigured.

CTRL DELTA

On first use, install the Casambi APP via APP Store or Google Play.

- **Create a new network**: from the APP access the '"My networks" section,
select " Create new network " and choose from those available.
(Evolution Network recommended.)
- Then freely enter the name of your new network.

- **Add the M - Wireless control DIM5 device**, detected via Bluetooth, to the network.
To be recognized, the M - Wireless control DIM5 device must be inserted in the track and correctly powered. (The device will also be detected by the " Nearby devices " section on the APP home page and indicated by a red icon on the side)

- **Access the created network**: in "My networks" section, locate the CTRL Delta icon, corresponding to the associated M - Wireless control DIM5 device.
By acting on this icon it will be possible to use the Casambi functionalities and access the groups of lamps, as long as they are already correctly configured

Functions:
- Touching the main CTRL Delta icon allows you to turn on / off all the lamps at the same time
- By touching the icon and dragging upwards, the General Slider appears, allowing for simultaneous adjustment of all the lamps.
- By pressing and holding the main icon, 8 Sliders will appear. Each Slider separately controls the brightness of the associated group

IMPORTANT:
- If the network created initially is of the Classic type, only the first 4 sliders can be used
- If the network created initially is of the Evolution type, all the sliders can be used
For all the features of the app, visit the Casambi website: http://www.Casambi.com

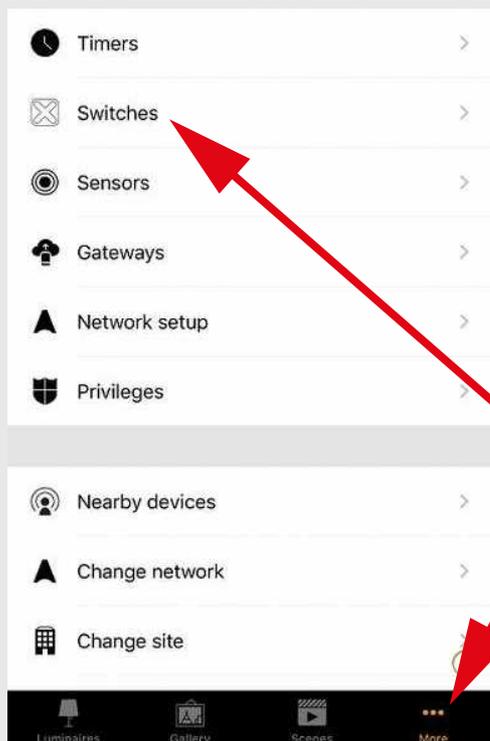**Disconnect M - Wireless control DIM5 from the Casambi network**
The Casambi APP also allows you to remove M - Wireless control DIM5 from your network, or from a network to which it was associated by mistake.
If it has been associated, for example, to an unknown network, you can disconnect it using the "disconnect device" APP function
- when asked to "turn off and turn on quickly" it will be necessary to disconnect M - Wireless control DIM5 from the track, and connect it again.

BUTTON CONTROL WIRELESS (OPTIONAL)
It is possible to control all the lamps or the desired group using the button kit.
- All lamps
- A group of lamps
- An element of a lamp.

From the main screen, select " More "

Select 'Switches'

🕐 Timers	>
⊠ Switches	>
◉ Sensors	>
🔌 Gateways	>
▲ Network setup	>
🛡 Privileges	>
◉ Nearby devices	>
▲ Change network	>
🏢 Change site	>

Luminaires Gallery Scenes More

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Select the switch you want to add.
Once found, it is identified as "4CHANNEL SW"

5

When added, you recieve an overview of the available buttons.

Selecting one of these buttons, give you the following menu:
Control scene
Control group
Control lamp   (note , if the lamp is part of a group,
                             the whole group will follow these commands)
Control all lamps

Correct disposal of this product (Waste electrical & electronical equipment)
正确处置本产品（废弃的电气和电子设备）
Правильная утилизация этого продукта (Утилизация электрического и электронного оборудования)
(التخلص الصحيح من هذا المنتج (نفايات المعدات الكهربائية والإلكترونية
Correcte verwijdering van dit product (Elektrische & elektronische afvalapparatuur)
Comment éliminer ce produit (Déchets d'équipements électriques et électroniques)
Korrekte Entsorgung dieses Produkts (Elektromüll)
Eliminacion correcta de este producto (Material eléctrico y electronico de descarte)
Corretto smaltimento del prodotto (Rifiuti elettrici ed elettronici)

IP20 Protected against solid objects greater than 12mm.
防止直径大于 12mm 的固体异物进入。
Защита от твёрдых объектов размером более 12 мм.
.محمي ضد الأجسام الصلبة أكبر من 12 مم
Beschermd tegen vaste voorwerpen die groter zijn dan 12 mm
Protégé contre les objets solides de plus de 12 mm
Geschützt gegen Festkörper größer als 12 mm
Protegido contra objetos sólidos superiores a 12 mm
Protetto contro oggetti solidi più grandi di 12 mm

The products comply with the requirements of all European Directives applicable to them and are intended for sale in the European Economic Area.
产品符合所有相应的欧盟联邦指令，允许在欧洲经济区流通。
Продукция соответствует требованиям всех применяемых к ней Европейских Директив и предназначена для продажи на территории Объединенной Европы.
.تمثل المنتجات لمتطلبات جميع التوجيهات الأوروبية المطبقة عليها والمخصصة للبيع في المنطقة الاقتصادية الأوروبية
De producten voldoen aan de eisen van alle daarop toepasselijke Europese richtlijnen en zijn bestemd voor verkoop op het grondgebied van verenigd europa
Les produits répondent aux exigences de toutes les directives européennes applicables et sont destinés à la vente sur le territoire de l'Europe unie
Die Produkte erfüllen die Anforderungen aller geltenden europäischen Richtlinien und sind für den Verkauf im Hoheitsgebiet von United Europe bestimmt
Los productos cumplen los requisitos de todas las directivas europeas que les son aplicables y están destinados a la venta en el territorio de la Unión Europea
I prodotti soddisfano i requisiti di tutte le direttive europee applicabili e sono destinati alla vendita nel territorio dell'Europa unita

CE

This fitting should only be installed in rooms where direct contact with water is impossible
灯具应安装在无法与水直接接触的房间内。
Этот фитинг следует устанавливать только в помещениях, где прямой контакт с водой невозможен
يجب تثبيت هذا التركيب فقط في الغرف حيث يكون الاتصال المباشر بالماء مستحيلاً
Installeer het armatuur enkel in ruimten waar direct contact met water onmogelijk is.
Cet équipement doit être installé dans des pièces hors de toute projection d'eau.
Diese Leuchte darf nur in Räumen verwendet werden, in denen ein direkter kontakt mit wasser nicht möglich ist
Este aparato solamente puede ser instalado en habitaciones donde el contacto directo con el agua sea imposible
Questo apparecchio di illuminazione deve essere installato solamente in locali in cui il contatto con l'acqua è impossibile.

Only suited for goods at Safety Extra Low Voltage (below 50 V-AC / 120 V-DC)
商品具有双重绝缘，禁止接地。
Продукция обеспечена двойной изоляцией и не должна заземляться.
مناسبة فقط للمنتجات ذات الجهد المنخفض جدا (أقل من ٥٠ فولت - تيار متردد AC أو ١٢٠ فولت - تيار ثابت DC).
Enkel geschikt voor toestellen op zeer lage veiligheidsspanning (minder dan 50 V-AC / 120 V-DC)
Convient uniquement pour les produits à très basse tension de sécurité (moins de 50 V-AC / 120 V-DC)
Geeignet für Güter mit sehr niedriger Sicherheitsspannung (unter 50 V-AC / 120 V-DC)
se recomienda únicamente para aquellos productos de tensión de seguridad muy baja. (menos de 50 V-AC / 120 V-DC)
Vale solo per prodotti a Bassissima tensione di sicurezza (inferiore a 50 V-AC / 120 V-DC)