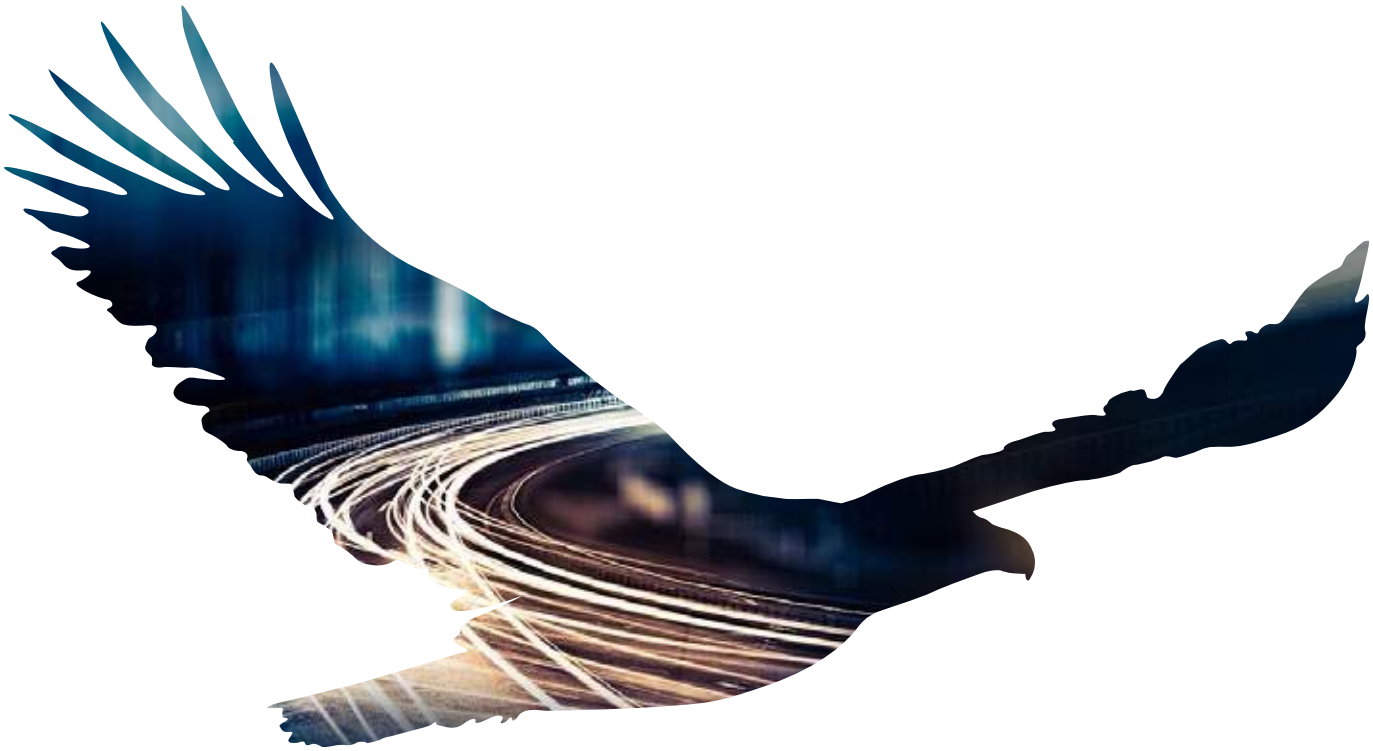
Eng



Installation guide for ONETRACK® adapter with CASAMBI technology for lighting wireless control

A.A.G.
STUCCHI
ideas are made of light

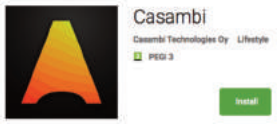
Rev. 1

INDEX

INTRODUCTION

This document guides one in the installation and use of the ONETRACK® adapter with CASAMBI technology for wireless control lighting fixtures. This system is possible thanks to the integration of CASAMBI technology inside the adapter itself.
In order to use the ONETRACK® adapter with CASAMBI technology inside it is necessary to have an Android or iOS smart device (tablet or smartphone) with the CASAMBI app. The app is available for free downlaod on GooglePlay or the Appstore.
All the lighting fixtures involved have to be equipped with DALI compatible power supply.

Android version



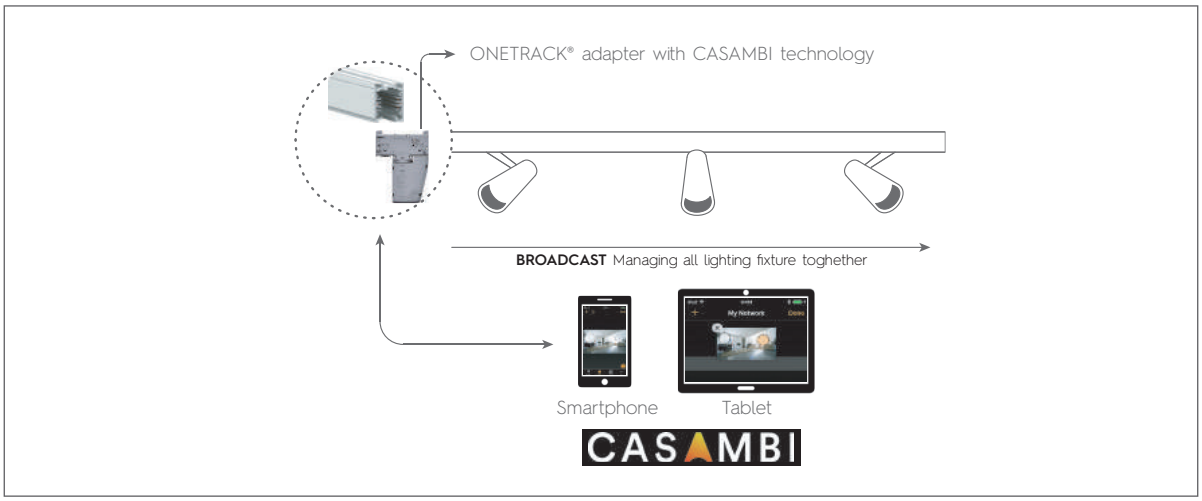
iOS version

POSSIBLE CONFIGURATIONS

ONETRACK® adapter with CASAMBI technology inside can be provided in different configurations:

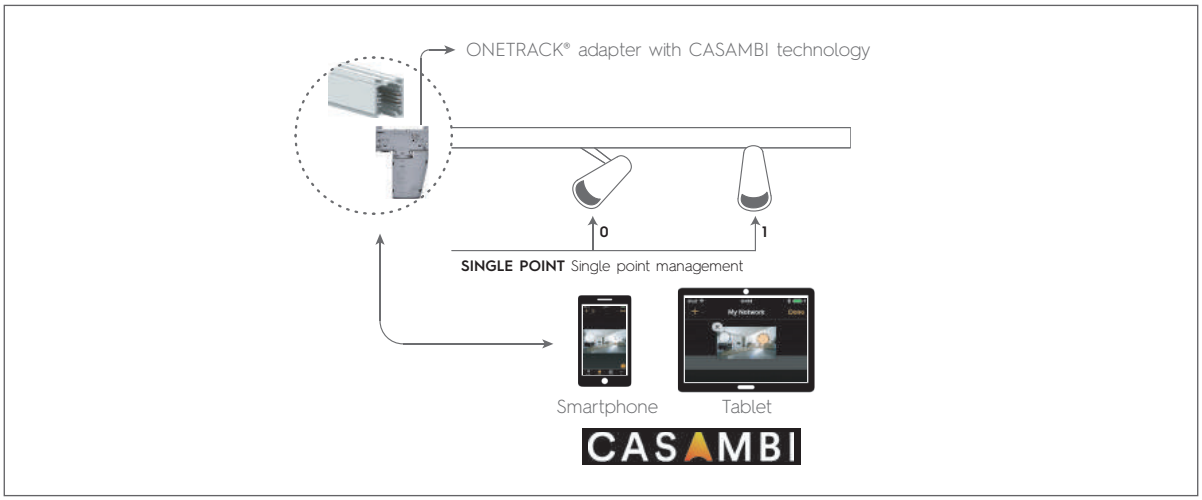
- Broadcast:

The adapter sends out a universal output signal to all the lighting fixtures on the same track

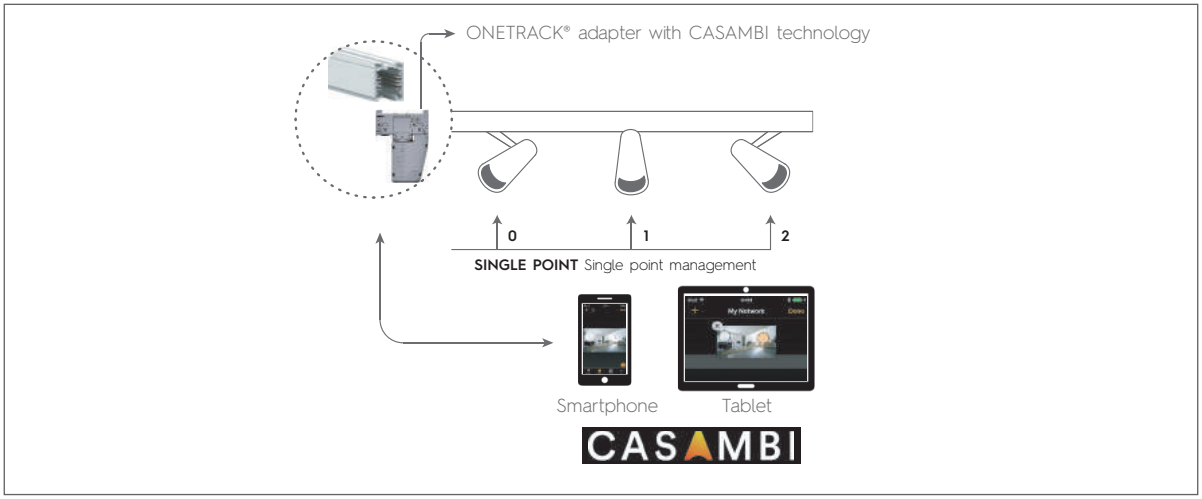


- 2 groups:

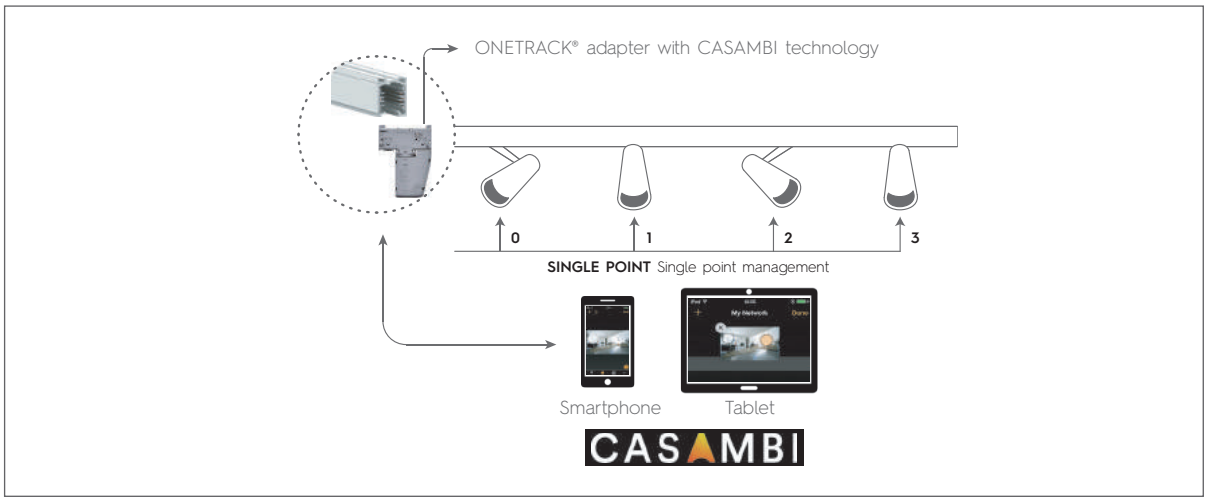
The adapter sends out two distinct signals to two different lighting fixtures. The lighting fixtures must be addressed in advance with value 0 and 1, following the DALI protocol rules.



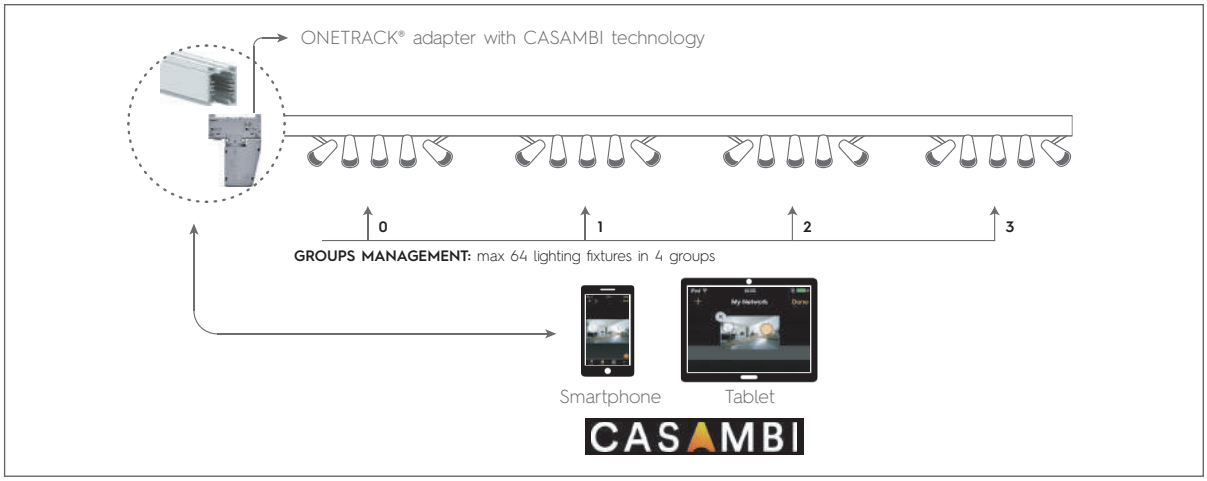
- 3 groups:
The adapter sends out three signals to each one of the 3 lighting fixtures on the track. The lighting fixtures must be addressed in advance with value 0, 1 and 2 following the DALI protocol rules.



- 4 groups:
The adapter sends out four different signals to each one of the 4 lighting fixtures on the track. The lighting fixtures must be addressed in advance with value 0, 1, 2 and 3 following the DALI protocol rules.

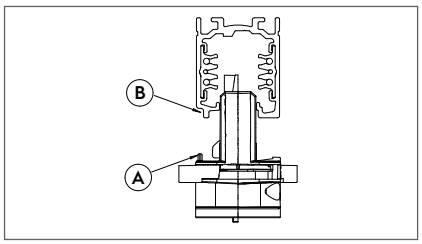


- Groups configuration:
The adapter sends out an independent signal to up to 4 lamp groups that have been previously addressed as 0,1,2,3, as per DALI protocol.

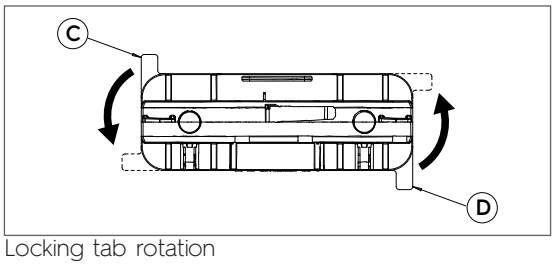


ONETRACK® ADAPTER INSTALLATION AND SET UP OF LIGHTING FIXTURES

Insert ONETRACK® adapter into the track, so that the mechanical key (A) in the adapter matches the groove (B) in the track. Rotate the locking tab until it reaches the locking position, which is parallel to the track.

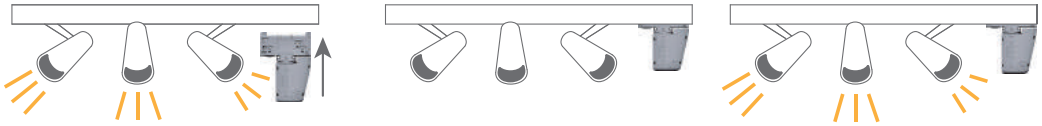


Mechanical key

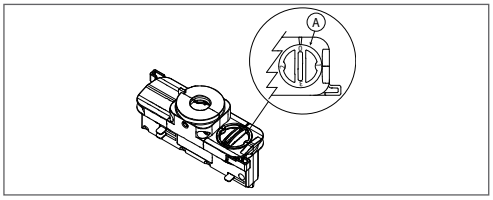


Locking tab rotation

Once the adapter is installed correctly the lighting fixtures on the track should turn on or off automatically, depending on the state before the adapter was inserted.



This brief change in the light output confirms that the adapter is installed, receiving power and communicating correctly.
If lighting fixture(s) output level remain(s) unchanged it is necessary to rotate the phase selector of the adapter until the lights turn on or off automatically. This will assure that the correct power supply phase has been selected.



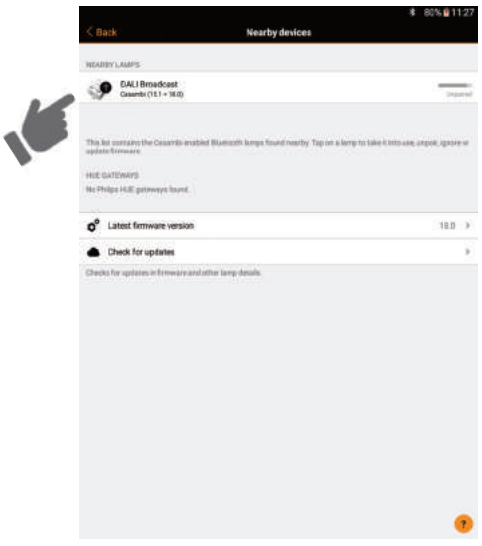
Phase selector

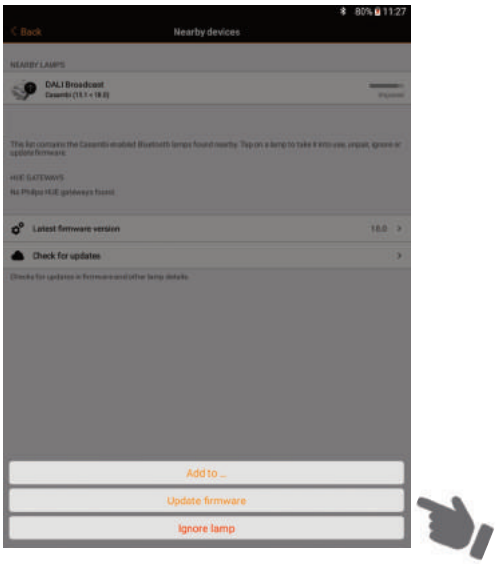
RUNNING CASAMBI APP

1) Search for CASAMBI app in the device and launch it.
The first time a device will connect to the ONETRACK® adapter, the app will check that the existing firmware of the CASAMBI module inside the adapter is the latest release. If the firmware needs updating the app will indicate so.
For a properly working system it is always recommended to install the update.

How to update the CASAMBI module inside ONETRACK® adapter:

Choose the module to be updated by touching the icon and select the option "Update firmware".

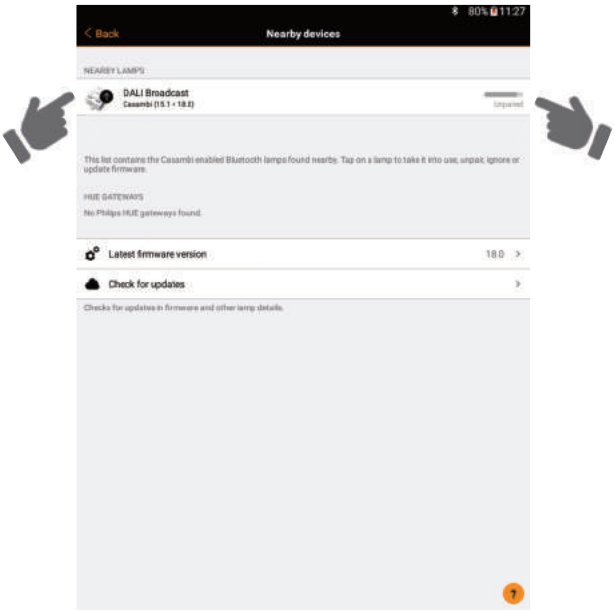




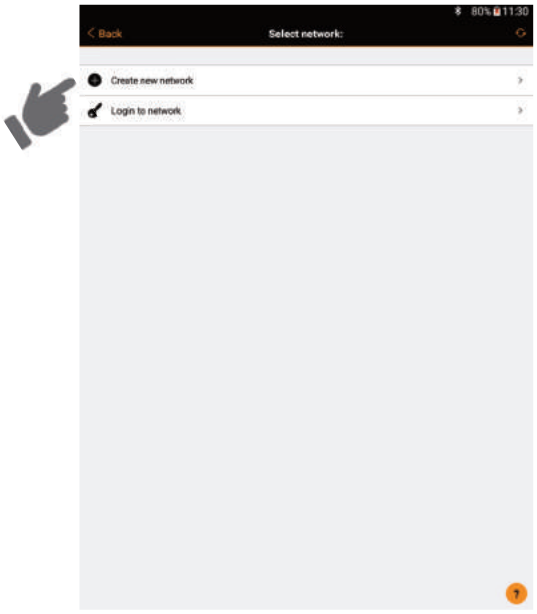
Select "Start Update".

At the end of this process the module will be updated with the latest released version of the firmware..

2) Touch the icon of the "Unpaired" CASAMBI module.



3) Select the option "Create new network".

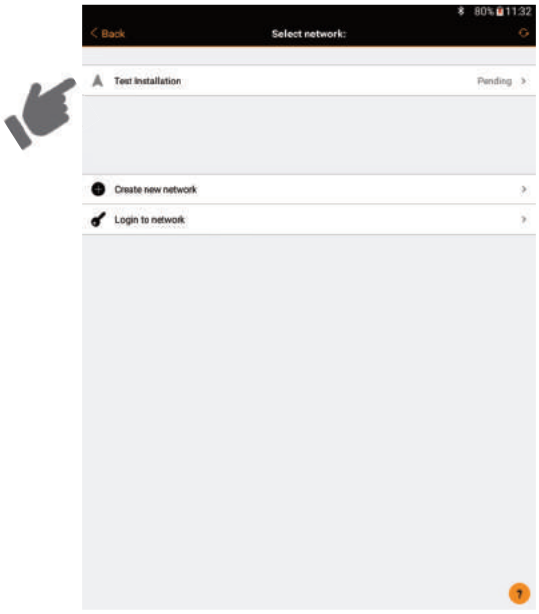


4) Type in the name chosen for this network and select the option "Not shared ".

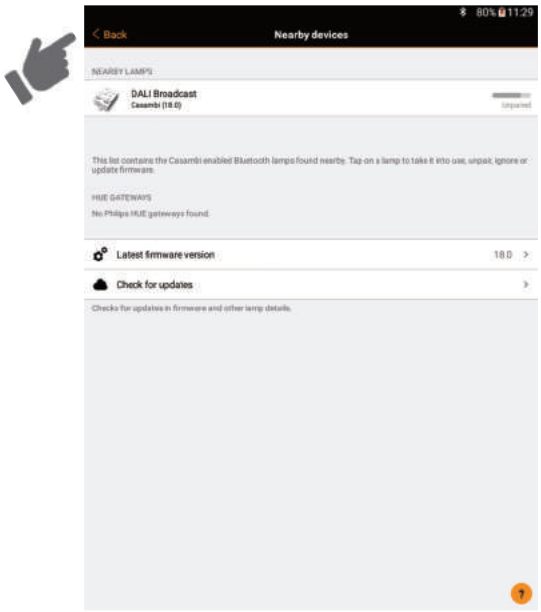
5) Select "Open" (in this example the network will be kept open).

6) Complete the procedure typing in the password and selecting "Save".

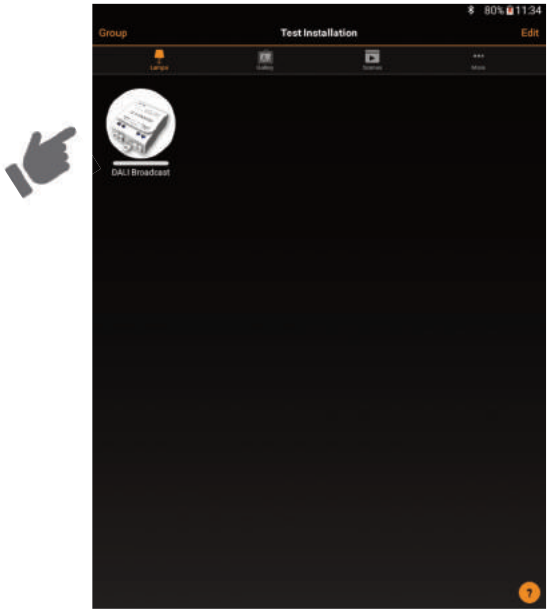
7) On the next screen select the chosen network and wait for the system to update it.



8) Close the network installation process by selecting "Back".



9) Restart the app to arrive at the control screen of the network just created. In this case "Test installation".

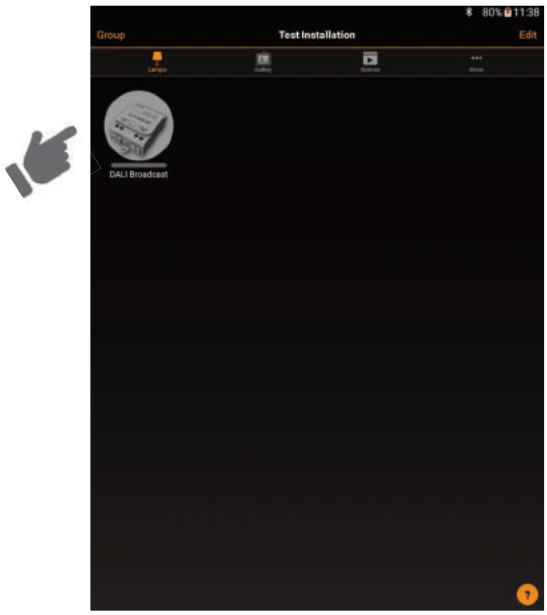


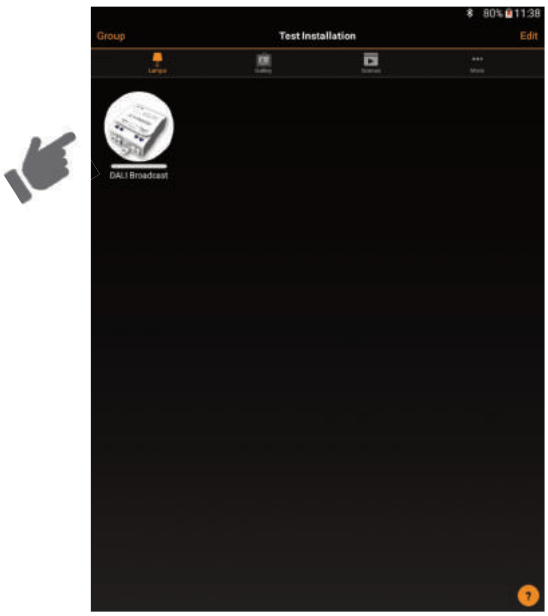
BROADCAST CONTROL OF LIGHTING FIXTURES

With a simple touch it is possible to turn the lights on, off or change the brightness.

1) Activate CASAMBI app and wait until the network is synchronized with ONETRACK® adapter.

2) Touch the icon with a "tap" and all the lighting fixtures in the network will turn on or off at the same time.



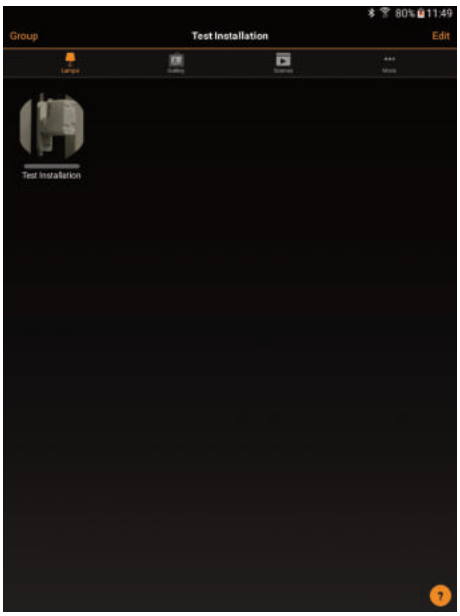


3) To change the brightness of the luminaire(s) keep touching the icon and scroll right or left.

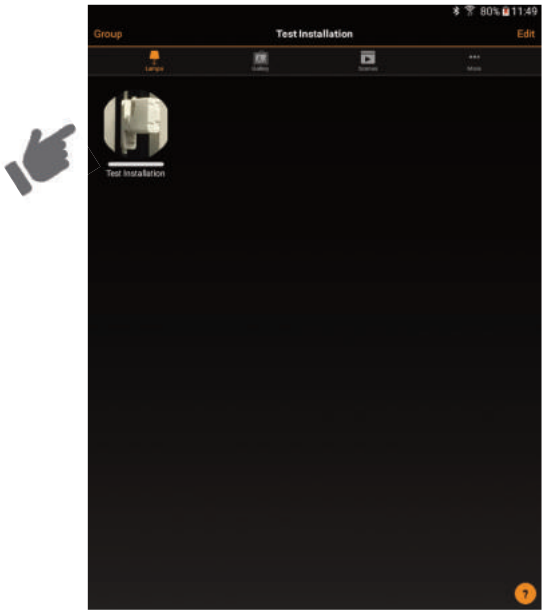
SINGLE POINT CONTROL OF LIGHTING FIXTURES

ONETRACK® adapter with CASAMBI inside can manage up to 4 light fixtures independently through the use of 4 addresses: address 0, address 1,address 2 and address 3 depending on the configuration requested.

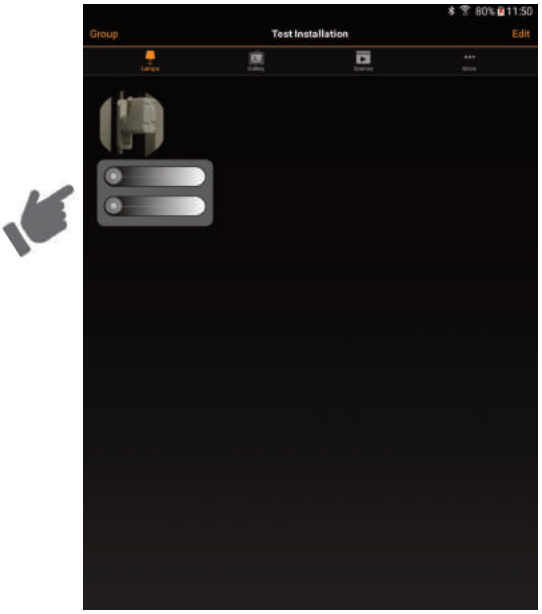
1) Activate CASAMBI app and wait until the network is synchronized with ONETRACK® adapter.

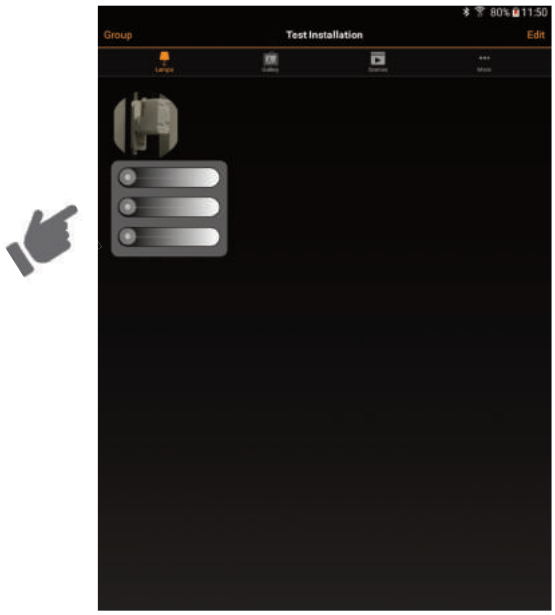


2) Touch the icon with a "tap" and all the lighting fixtures involved (1-4) will turn on or off at the same time as per broadcast mode.



3) To change the brightness of the single light fixture keep on pushing the icon for a couple of seconds, till the Sliders appear. This sliders allow to control each light fixture separately. Depending on the configuration you will have 2, 3 or 4 sliders each one corresponding to a light fixture. Scrolling the slider related to the single fixture one can change its brightness.



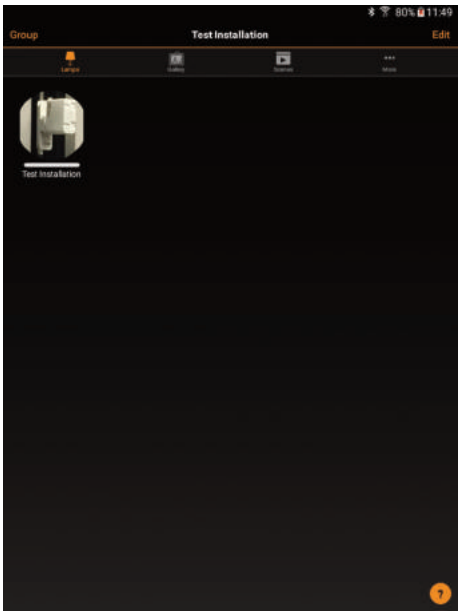


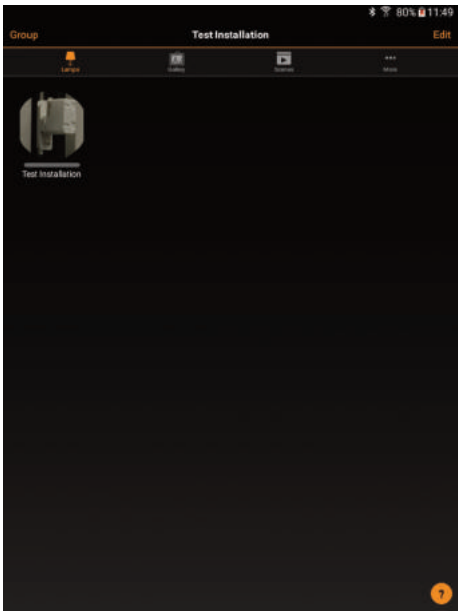
LIGHT CONTROL IN 'GROUPS' MODE

The ONETRACK adapter with an integrated CASAMBI module can manage light fittings independently up to 4 groups: Address 0 Group ... Address 3 Group, lights are controlled in the same way as described for the 'Single Point' mode.

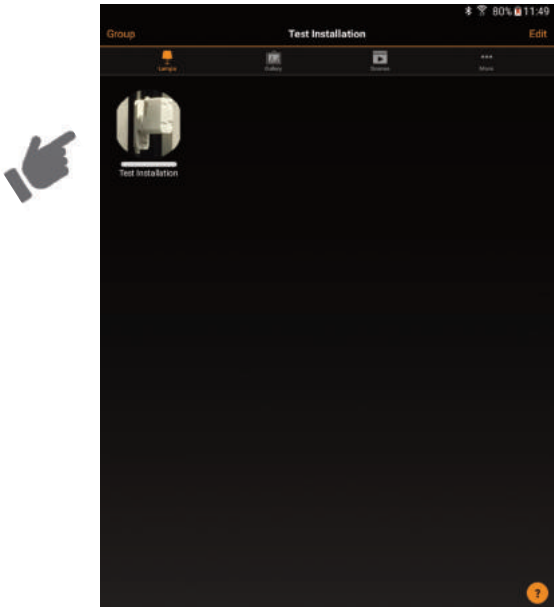
1) Activate the CASAMBI App and wait for the network to get synchronised with the ONETRACK adapter

.





2) Tap the icon just once and all the light fittings with group address programmed will turn on or off at the same time.



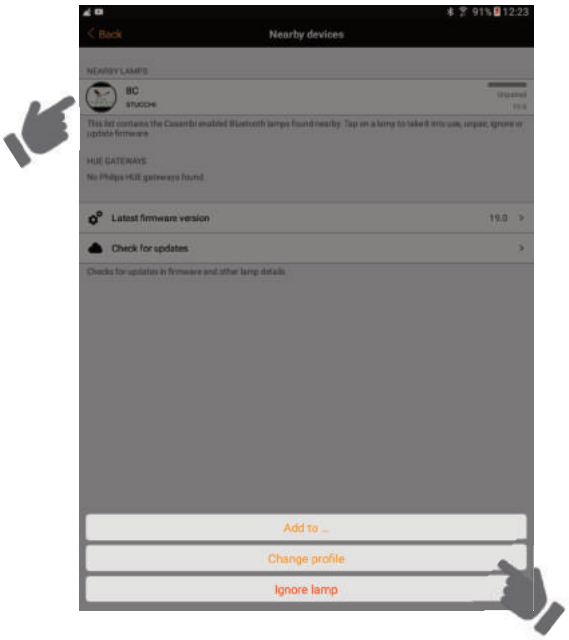
3) To vary the brightness of each group independently, press and hold the icon for a few seconds until the Sliders are displayed; these sliders are used to control each individual set of lights.

CHANGE THE CONFIGURATION TYPE OF THE ONETRACK ADAPTER WITH INTEGRATED CASAMBI TECHNOLOGY

The ONETRACK adapter with integrated Casambi technology can be supplied in several configurations (see section X). Unless there are any specific requests, the adapter is supplied in Broadcast mode; however, the type of configuration can be changed by using the app as described below.

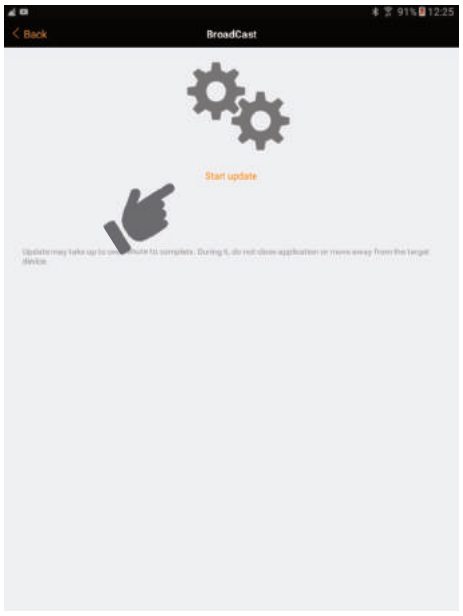
1) If the module is paired to a network, it should be unpaired first (see section x). Once the module is unpaired from the network, this will be displayed when the app starts:

2) Activate the 'Check for Updates' option and then tap on the icon under the legend 'adjacent lamps' and choose the 'change profile' option.

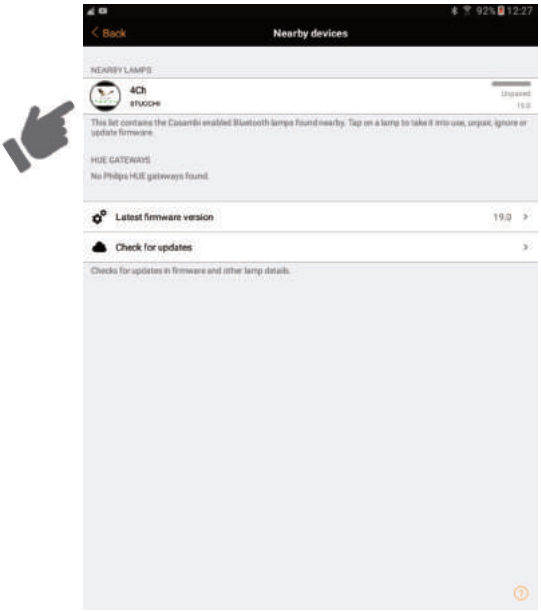


3) Then, the possible configurations previously described in this document are displayed.

4) We start the process by touching the 'start update' option.



5) The profile has been updated.



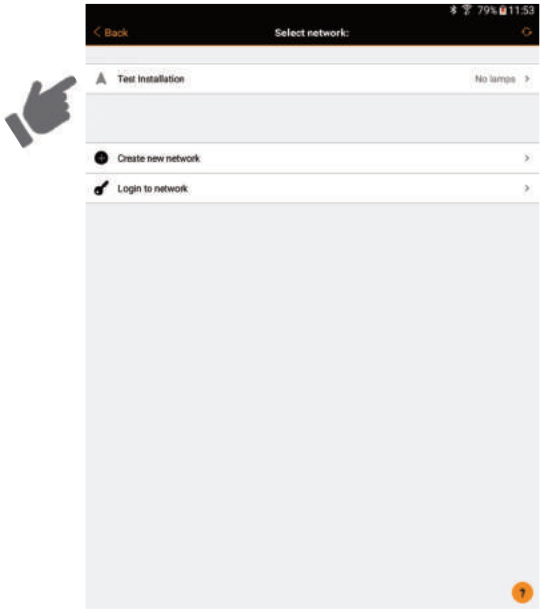
6) Close the app and then open it again to return to the home screen.

HOW TO ACCESS AN EXISTING OPEN NETWORK

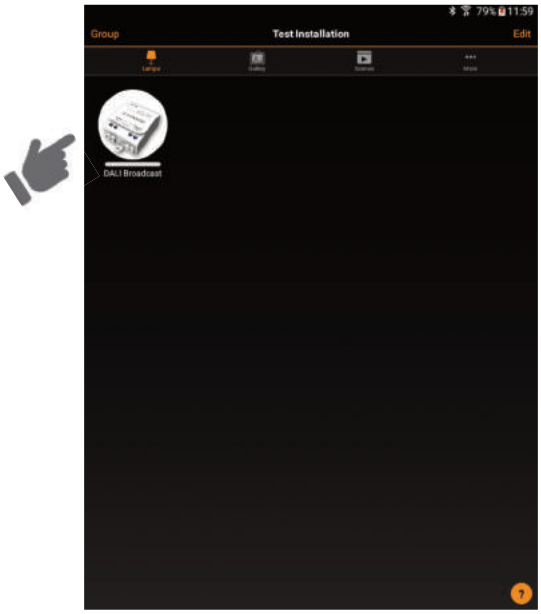
Once the network is created it can be managed through smart devices different from the one with which it has been created. This can be done following the pairing procedure of the network:

1) Install CASAMBI app as described before.

2) Activate CASAMBI app and wait until the network is synchronized with ONETRACK® adapter.
Automatically the screen for the selection of the configured network will appear.



3) Touch the icon with the name of the network to be controlled.

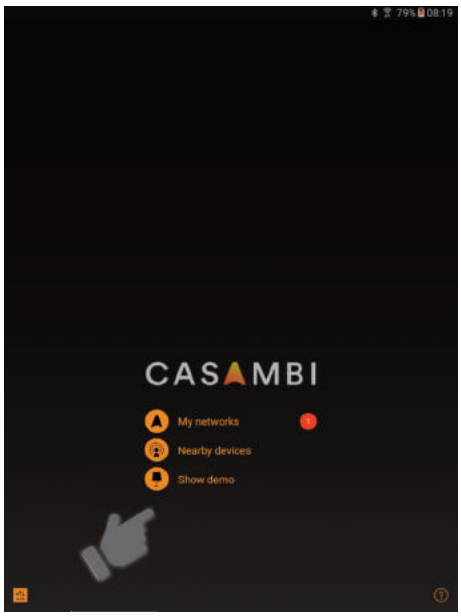


Now the network is associated with the smartdevice.

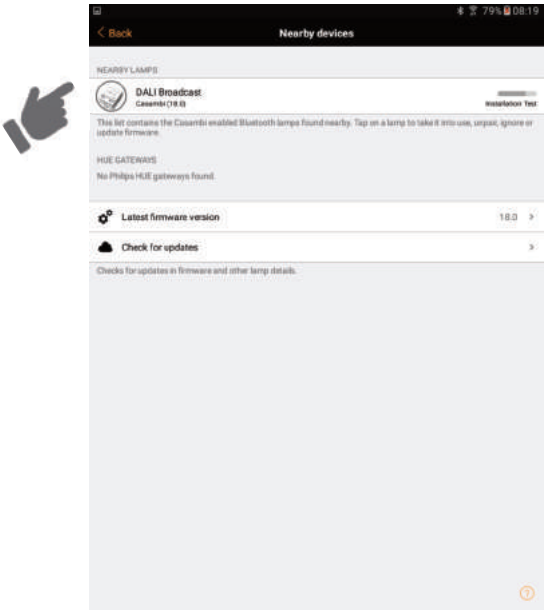
HOW TO DELETE AN ASSOCIATED NETWORK

It is possible to delete a shared network that is on one's smart device at any time.

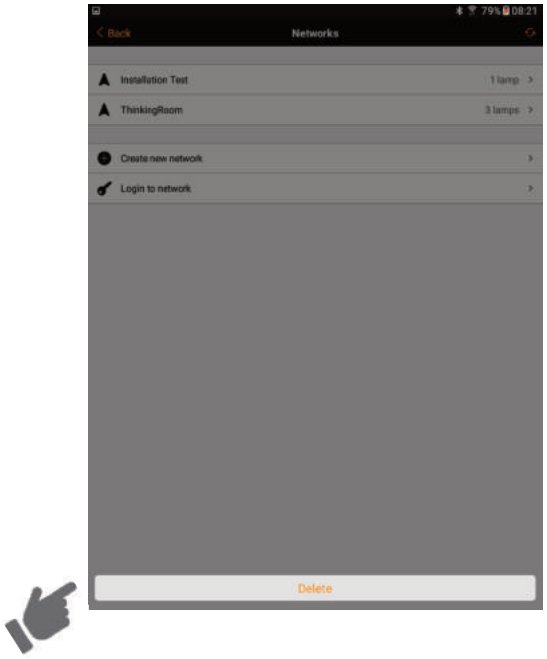
1) Activate CASAMBI app and go into "my networks" session.



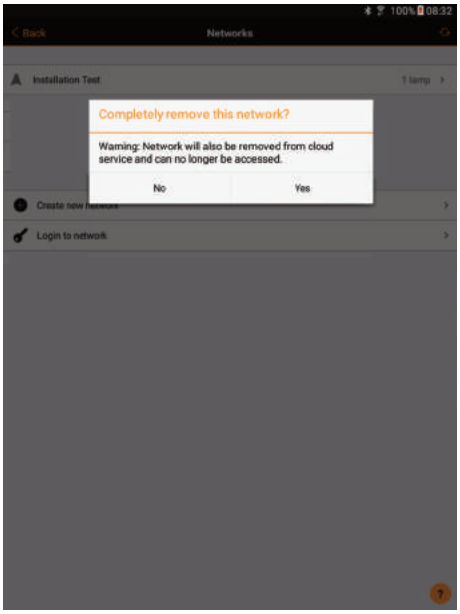
2) Touch the network to be deleted and keep it pressed for a couple of seconds.



3) Click the button "Delete" at the bottom of the page.



4) Select "Yes" if one wants to delete the network permanently from one's device, "No" to keep the network.



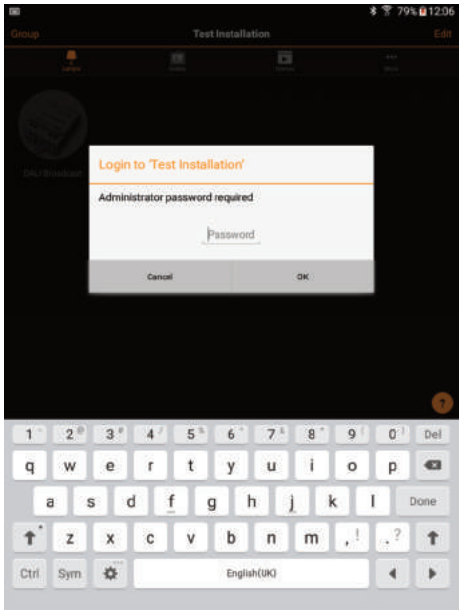
HOW TO UNPAIR AN EXHISTING NETWORK

An existing network can be unpaired from any device. If the network is unpaired from the device on which it was created it will be deleted. When this happens a permanently deleted network will not be available to any other associated devices.

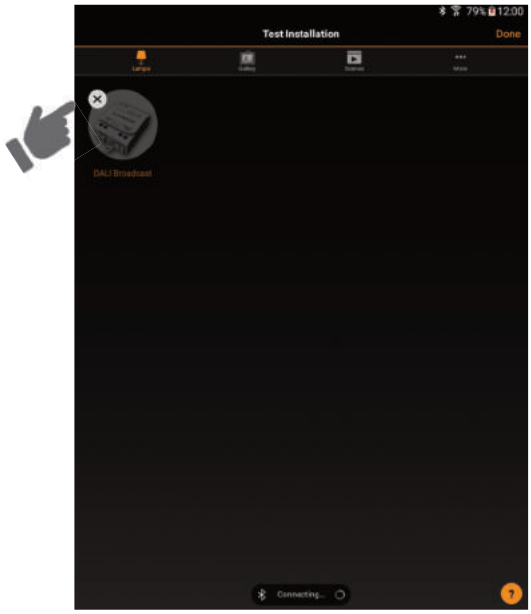
1) Activate the app and select the existing network.

2) Select the upper right icon "Edit".

3) Insert the admin password given when the network was created.



4) Touch the "X" inside the image of the network we want to unpair and select yes to confirm.



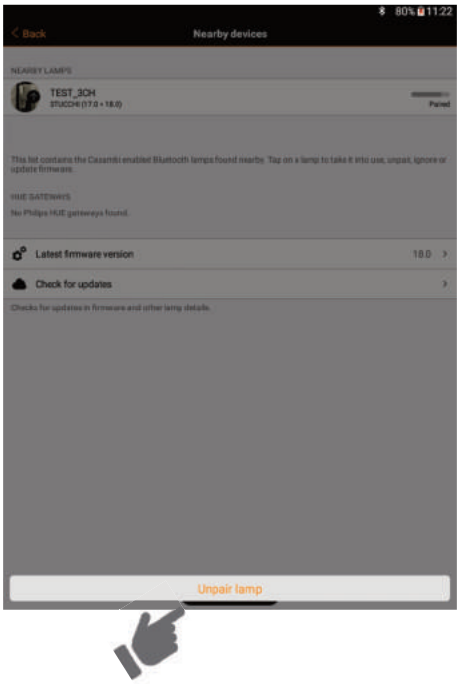
HOW TO UNPAIR AN EXHISTING NETWORK CREATED BY ANOTHER USER

It is possible to unpair a CASAMBI module from a network without knowing the User and Password (i.e. the network has been created by another user). This procedure will reset the CASAMBI module back to default conditions.

1) Insert and connect the ONETRACK® adapter with CASAMBI technology into the track.
2) Activate the CASAMBI app and select "My networks".

3) Select the module to be unpaired.

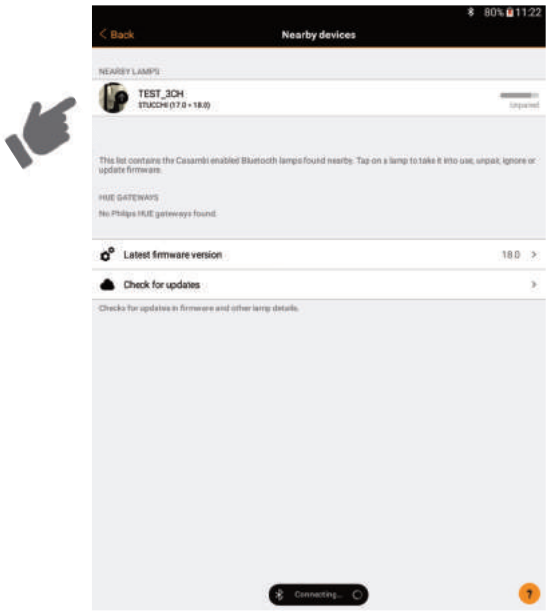
4) Once the network has been selected, touch the "Unpair lamp" button.



Complete the following steps:

a) Press "Start".
b) Rotate the locking tabs of the adapter so it is no longer connected to the mains.
c) Wait 2 secs.
d) Rotate the locking tabs back to restore connection to the mains
ATTENTION: it is fundamental that this procedure is done in less than 5 secs

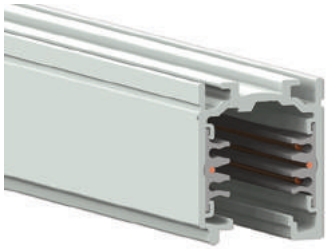
5) Procedure accomplished, lamp unpaired.

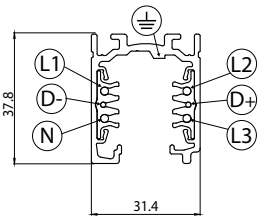


TECHNICAL SPECIFICATIONS OF CASAMBI MODULE INSIDE ONETRACK® ADAPTER

Gateway BlueTooth Module controlled by Smartphone or Tablet that must be provided with iOS or Android 4.4 or later and BLE (Bluethoot energy system). The module is intended for the control of DALI lighting fixtures.

Input Voltage:	220-240V 50 Hz
StanBy Power Consuption:	1,2 W
Analog Voltage Output:	0..10 V
Current protection:	7 mA
Dali Output Voltage	12 V
Dali Output current:	7 mA
Frequency Hopping Radio:	2.4 Ghz
Radio TX power:	+4 dBm
Operating temperature:	-20 + 70° C
Operating humidity:	80%
Ip Rating Protection:	IP 20





L1/L2/L3/N = Three phase power 16A/440V
D+/D- = 2x1A/50V FELV AC (DALI)

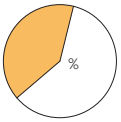
Norms:
IEC 61347-2-11:2001 (Ed 1)
IEC 61347-1:2007 (Ed 2) + A1:2010 + A2:2012
EN 55015:2006 - EN 61000-6-3:2007 + A1:2011
EN 61547:2009 - EN 300 328 v.1.7.1

Contol Systems:

DALI RGB 3 Ch

DALI Ballast 4Ch

DALI Broadcast



REFERENCES AND ACRONYMS

DALI	- Digital Addressable Lighting Interface
CBU-ASD	- Casambi Module
BLE	- BlueTooth 4.0