

# **FLOS SMART SETTINGS APP**

## User Manual



TABLE OF CONTENTS

IOS APP ..... 2

    INSTALL THE APPLICATION ..... 2

    USING THE FLOS SMART SETTING APP..... 2

    MAIN SCREEN ..... 3

LAMP BRIGHTNESS CONTROL ..... 6

    CHANGING THE BRIGHTNESS CONTROL ADDRESS ..... 7

    GROUP MODE BRIGHTNESS CONTROL ..... 8

LAMP CONFIGURATION PAGE..... 9

    SEARCH LAMP ..... 10

    SEARCH UNADDRESSED LAMPS ..... 11

    CLEAR LAMP ..... 12

    CLEAR LIST LAMPS..... 13

    MODIFY LAMPS ADDRESS ..... 15

        Aborting the new address assignment procedure..... 16

    CONFIGURE GROUP LAMPS ..... 17

        Clear lamp into group..... 18

        Test lamps on group (1...2...3...4) ..... 19

        Assigning a lamp to a group ..... 19

LAMP PROPERTIES..... 20

BOOTLOADER SERVICE ..... 20

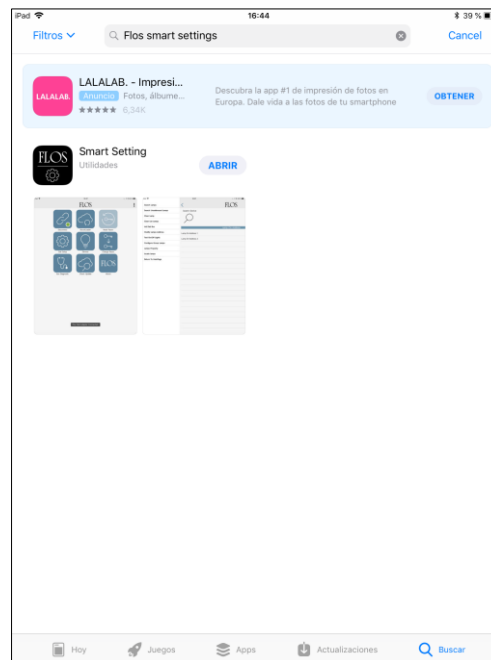
    Checking the Gateway module update ..... 22

# FLOS SMART SETTING APP User Manual

## IOS APP

### INSTALL THE APPLICATION

For iOS version go to App Store and search for **FLOS Smart Settings**, Select and Install the App.



### USING THE FLOS SMART SETTING APP

When you have installed the FLOS Smart Settings, you will find the following icon on your device's screen:

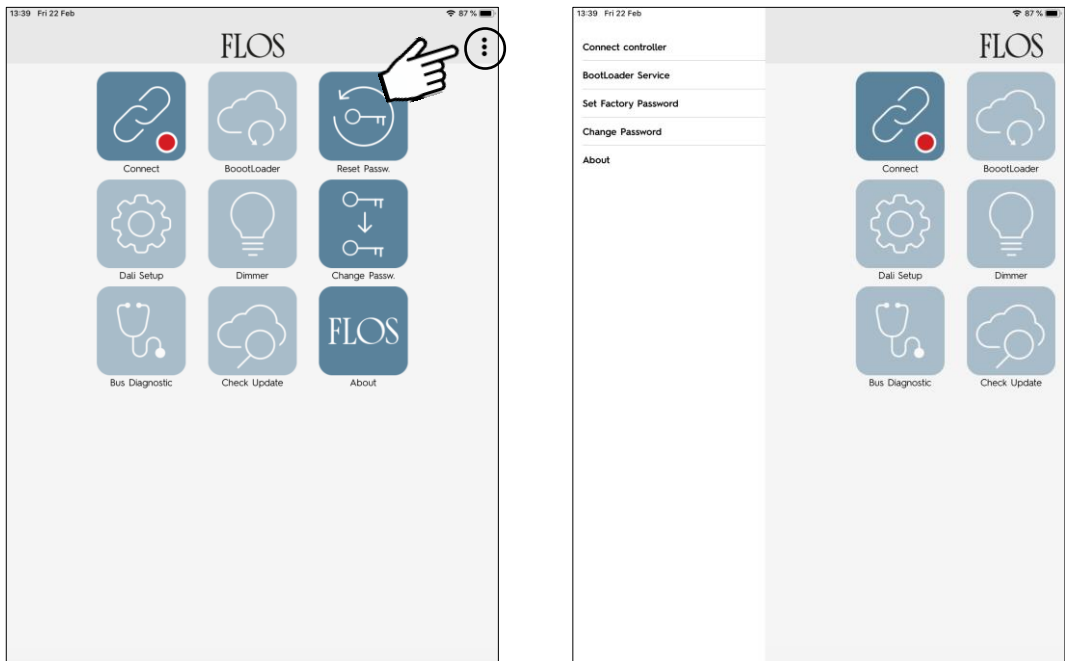


Launch the application. We will now review its functions and how to use them.

# FLOS SMART SETTING APP User Manual

## MAIN SCREEN

This section presents the main screen and its functions.



Select **About** in the menu to display information about the app:

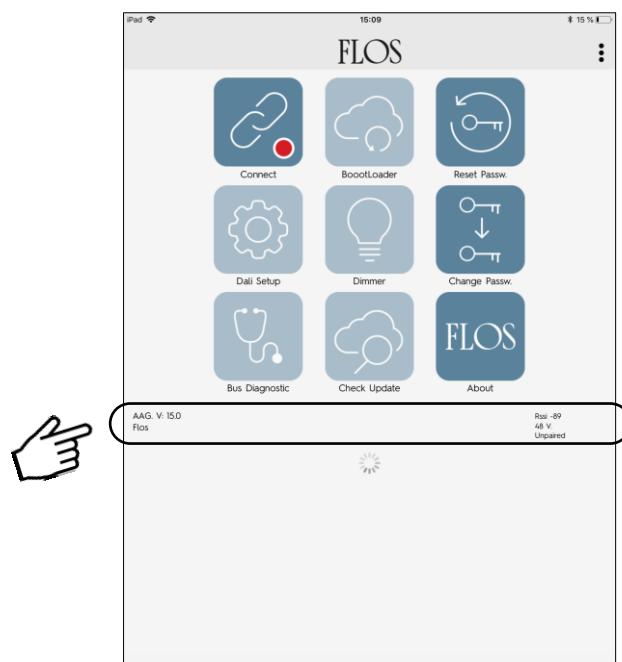
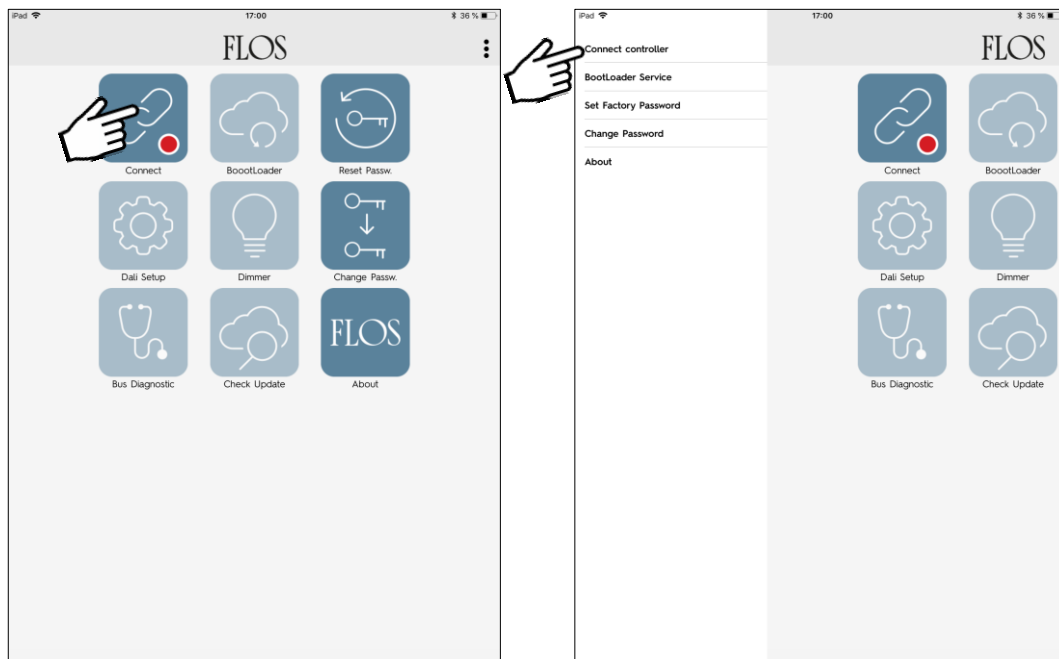


Select **Bootloader Service** to enable the firmware update function, which allows you to reprogram the GATEWAY module (we will cover this later).



# FLOS SMART SETTING APP User Manual

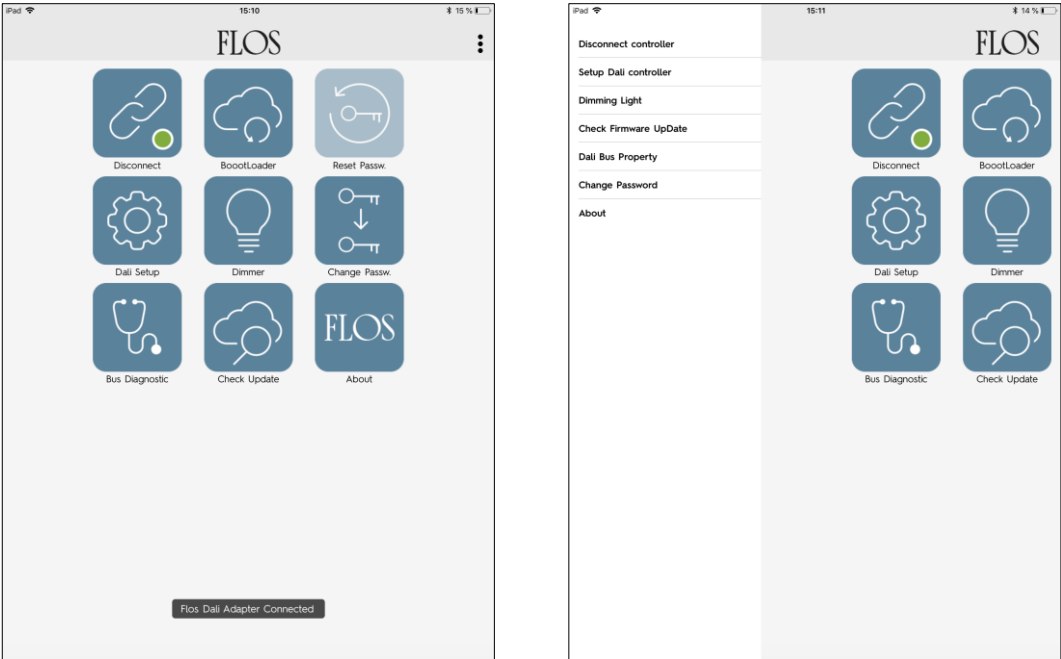
Select **Connect Controller**, or tap the Connect icon to scan for installed GATEWAY modules, which are displayed in a table.



Select the GATEWAY module you wish to connect by tapping on it; this launches the connection between your smart device and the GATEWAY module.

# FLOS SMART SETTING APP User Manual

Once the connection has been established, the following displays will appear:



The following main page functions are available:

Disconnect Controller	Disconnects from the GATEWAY. (you can also tap on the icon to do so)
Setup Dali Controller	Enable the firmware update function. (you can also tap on the icon to do so)
Dimming Light	Enters the Dimmer page. (you can also tap on the image to do so)
Check Firmware UpDate	This function interrogates the GATEWAY module and warns you if its firmware needs updating.
Dali Bus Property	This function opens a session which displays the voltage of the DALI bus and the current draw of the connected DALI modules in real time.
Change Password	This functions a session in which you can change the module's name and programming password.
About	We obtain information about the app.


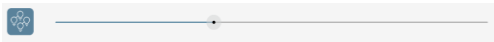
You can now use the functions to control the DALI devices.

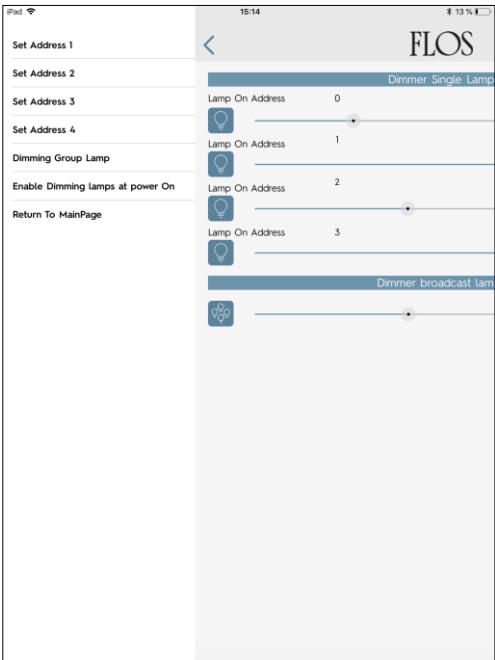
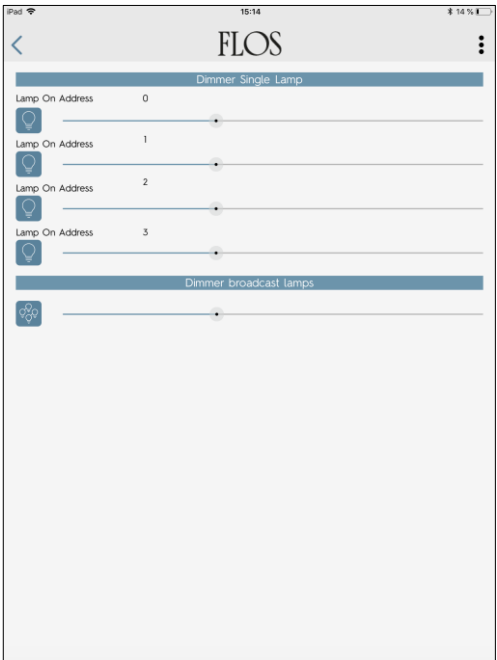
# FLOS SMART SETTING APP User Manual

## LAMP BRIGHTNESS CONTROL

This section explains how to set the brightness of the lamps in broadcast or single point mode, using the 64 addresses available with the DALI protocol.

Let's review the touch screen functions:

<b>Tap the icon</b>		The lamp whose address is shown above the icon switches to maximum brightness; if you tap on it again, the lamp turns off.
<b>Drag the cursor</b>		The lamp whose address is shown above the icon changes brightness.
<b>Drag the cursor</b>		All the lamps connected to the DALI bus change brightness.



# FLOS SMART SETTING APP User Manual

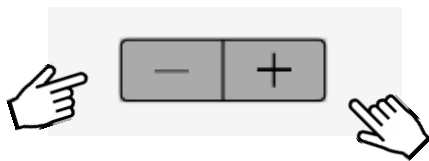
## CHANGING THE BRIGHTNESS CONTROL ADDRESS

A DALI address can be assigned to each individual control so that the brightness of all lamps on the bus can be controlled. Up to 64 lamps can be controlled, per the DALI protocol

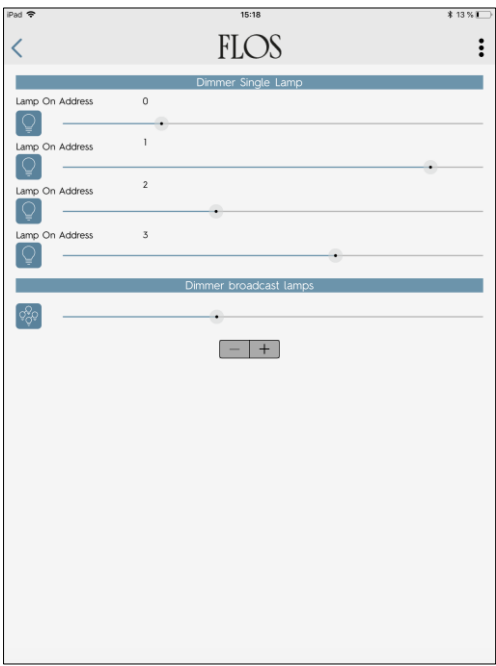
specification. To do this, we select the menu options



Each option corresponds to a single control; select the option to open the page for changing the control's address:



Use “+” to increment and “-” to decrement the value of the address.

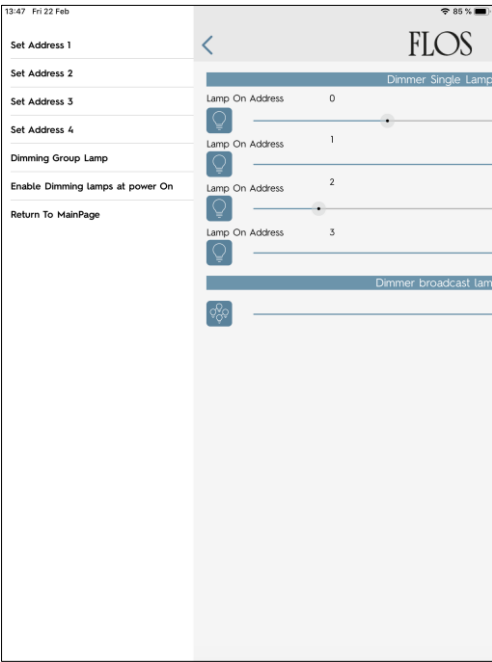




# FLOS SMART SETTING APP User Manual

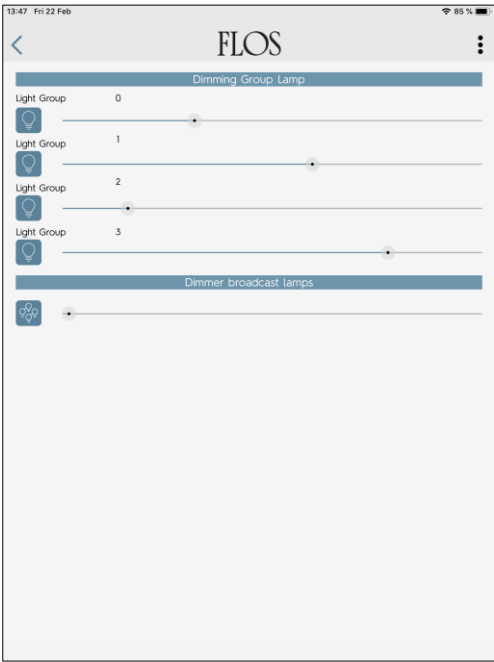
## GROUP MODE BRIGHTNESS CONTROL

In this section we will see how to set the brightness of the lamps in broadcast and group mode.



Select the option Dimming Group Lamp to enable brightness control by groups. The **FLOS Smart Settings** system can handle up to 4 separate groups of lamps.

As above, you can control the brightness of each group by tapping on the 4 bulb icons, or with the slider control.



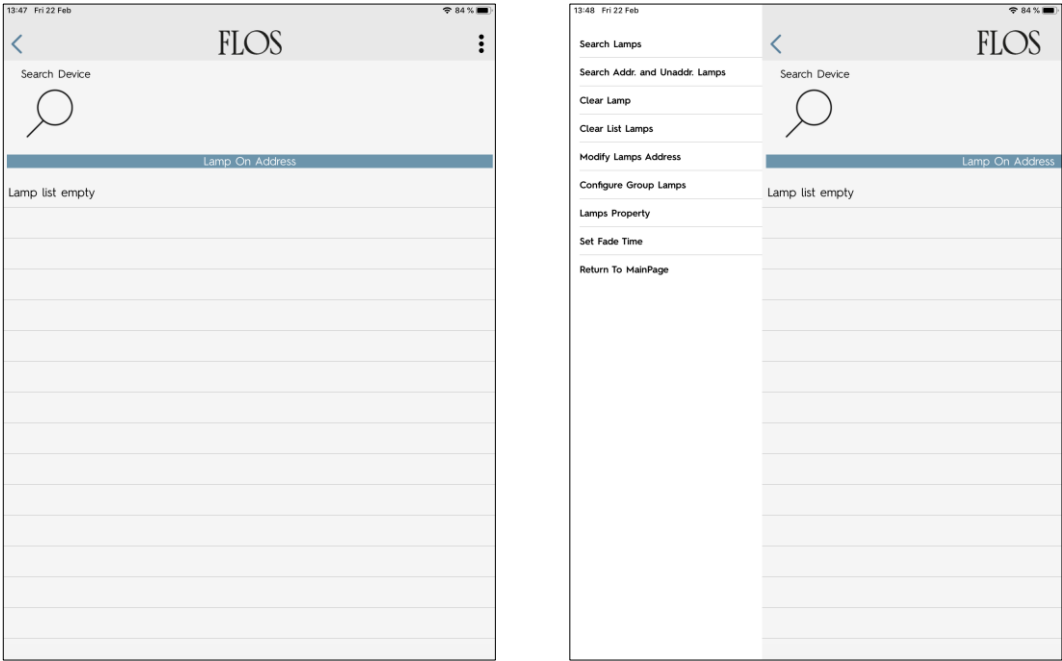
Note: To return to the previous session and control the lamps individually, select Dimming Single Lamp; to return to the main page, select Return to Main Page.

LAMP CONFIGURATION PAGE

This section explains how to configure and manage the DALI bus and the connected lamps. As explained in the main section, to enter the configuration section, simply tap on the icon:



The following interface displays:



Here we can manage the installation of a DALI lamp system, test the on/off controls, and configure logical and group addresses.

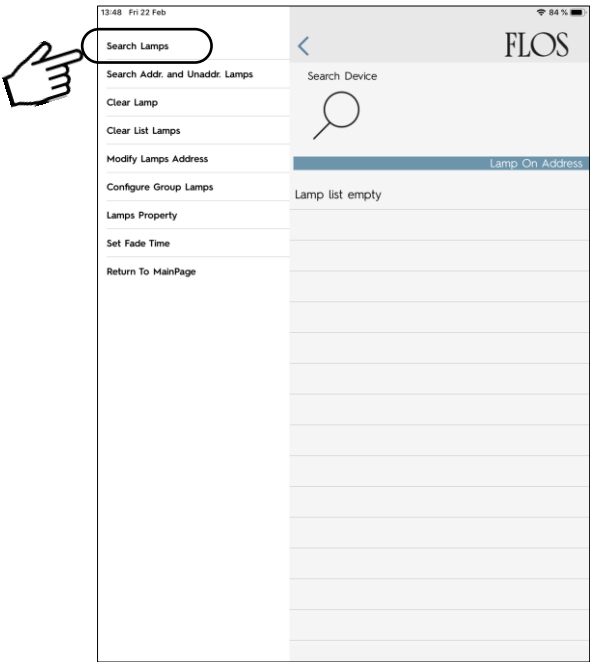
Let's take a closer look at these functions. The menu is structured as follows:

Search Lamps	The system searches for lamps which have a logical address - which are therefore already configured from 0 to 63.
Search Addr. And Unaddr. Lamps	The system searches for lamps which have not been installed and configured on the DALI bus. This search is slower since it scans randomly to obtain a response from the devices.
Clear Lamp	This option deletes the selected lamp from the bus.
Clear List Lamps	This option deletes all lamps on the bus.
Modify Lamps Address	This option replaces the logical address assigned during the scan.
Configure Group Lamps	Lamp group configuration service. This DALI function groups a set of logical addresses into a single group address (Maximum 4 groups).
Lamps Property	Queries the status and configuration of the lamp.
Set Fade Time	Set the Fade Time of the lamp/s >0.7
Return To MainPage	Return to Main Page

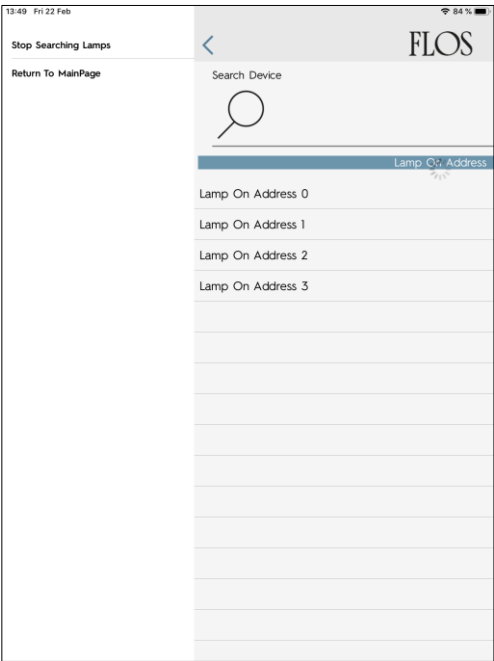
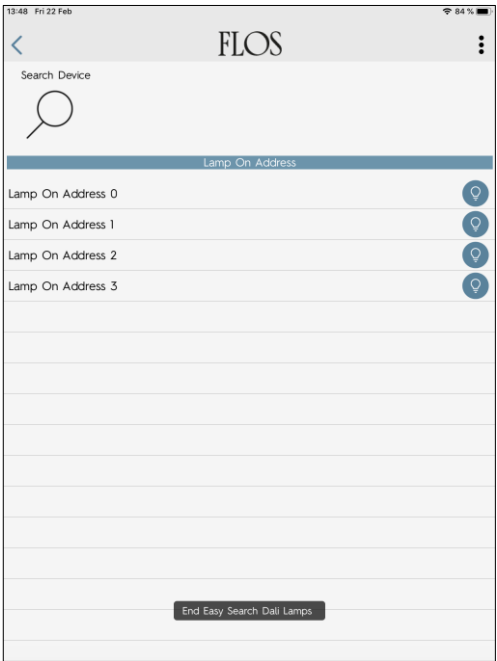
# FLOS SMART SETTING APP User Manual

## SEARCH LAMP

When this option is selected, the application will search for all previously addressed and configured lamps on the bus.



This search only scans previously assigned addresses.



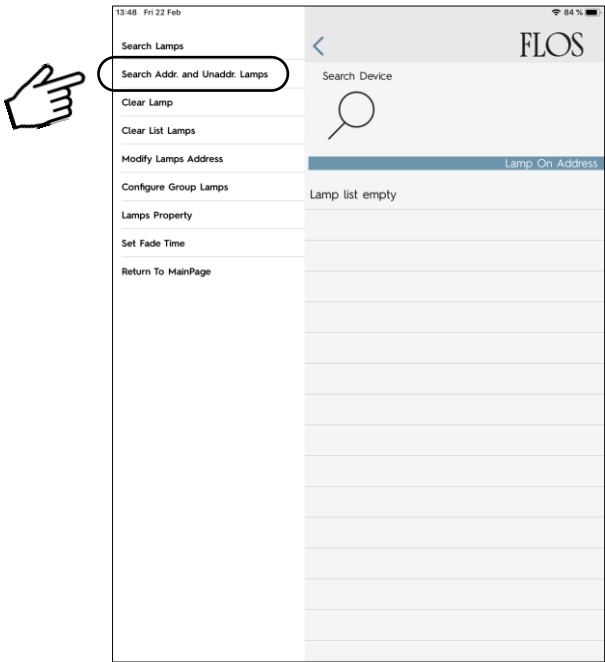
Select Stop Searching Lamps to stop the scan by going to the options menu.

Note: The DALI protocol has 64 logical addresses ("0" to "63"), so that up to 64 lamps can be installed (per the Dali specification).

# FLOS SMART SETTING APP User Manual

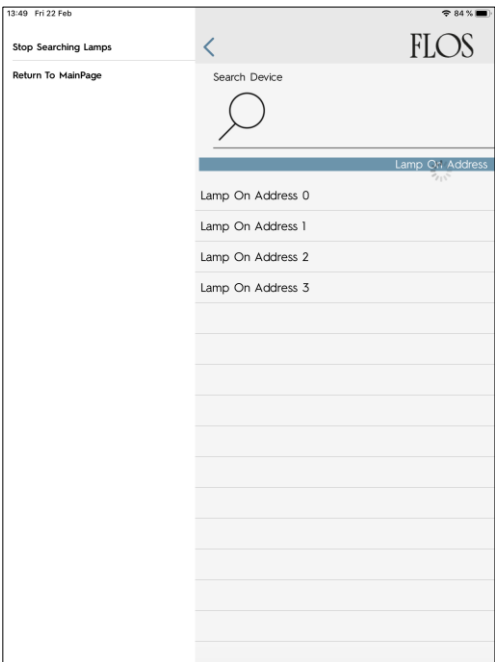
## SEARCH UNADDRESSED LAMPS

When this option is selected, the application will search for any lamps on the bus which have NOT been addressed and configured.



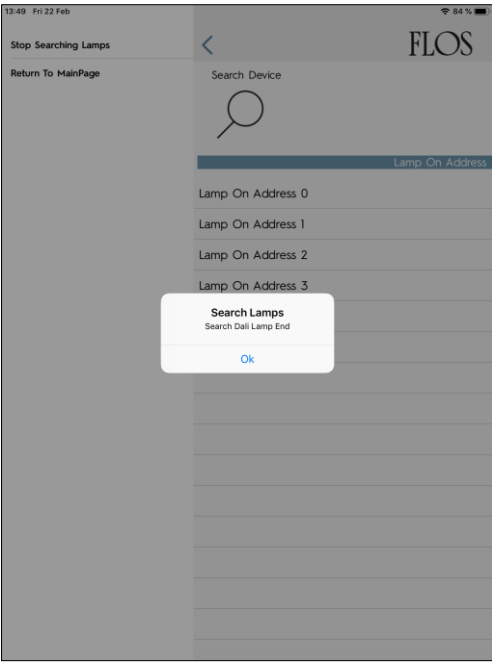
An un-configured DALI device responds to the dimming command in broadcast mode only; no access requests are considered since the device does not have a logical address. This scan is slower than the previous one; the system first scans for devices on the bus to check for active logical addresses, and then scans for unaddressed devices. When the application finds a new device, it assigns it a free logical address in increasing order.

The service displays as follows:



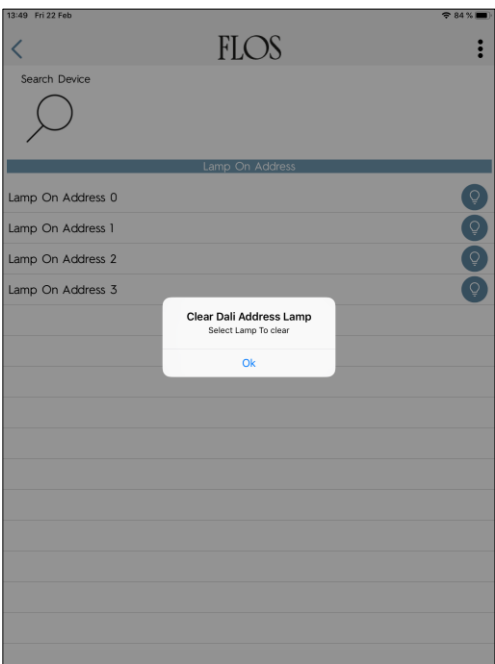
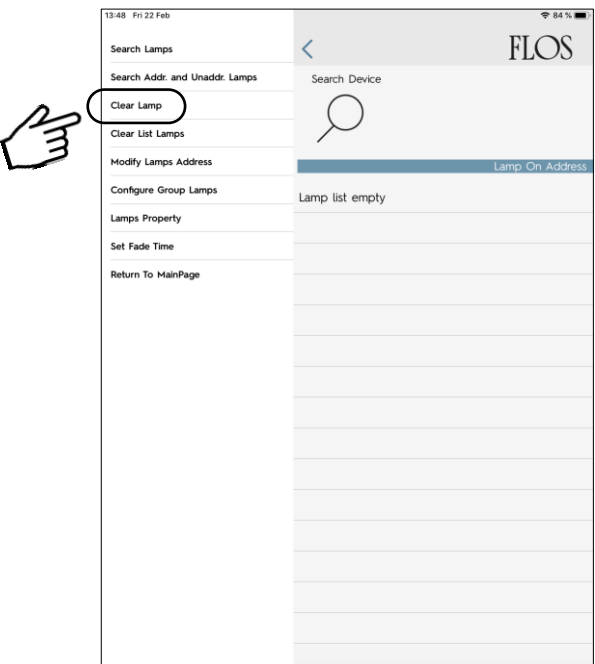
# FLOS SMART SETTING APP User Manual

When the scan terminates, the following message displays:



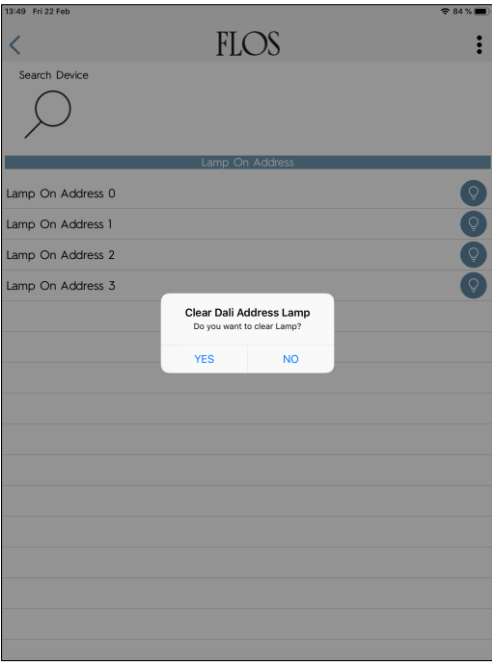
## CLEAR LAMP

When this option is selected, the application sends the delete command over the bus and the selected lamp's logical address is cancelled. You must first select the lamp to delete its logical address.



# FLOS SMART SETTING APP User Manual

The application will prompt you to confirm the deletion option.



Press No to abort the operation.

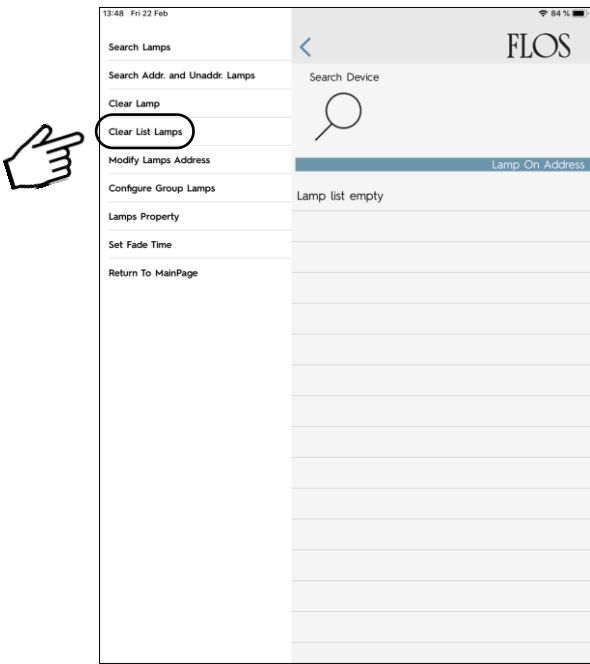
Press Yes to delete the lamp.

Note: If you then want to re-install the lamp, use the Search Unaddressed Lamps option.

## CLEAR LIST LAMPS

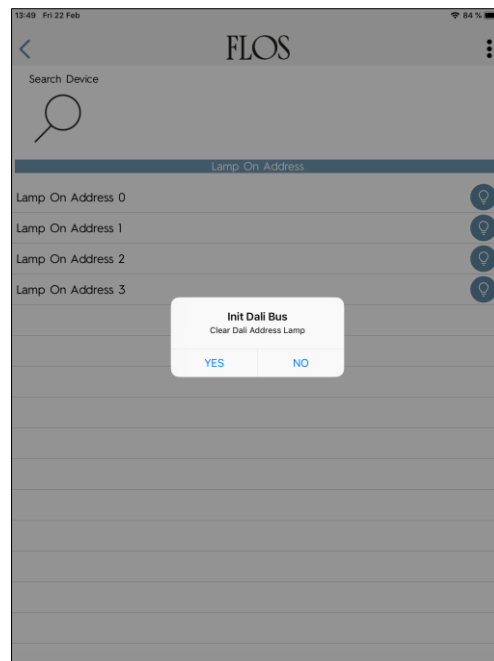
This option deletes the addresses of all scanned lamps, and sends the delete command for all listed lamps over the bus.

Select Clear List Lamps



## FLOS SMART SETTING APP User Manual

The application will prompt you to confirm the deletion option.



Press No to abort the operation.

Press Yes to delete the lamp.

Note: If you then want to re-install the lamp, use the Search Unaddressed Lamps option

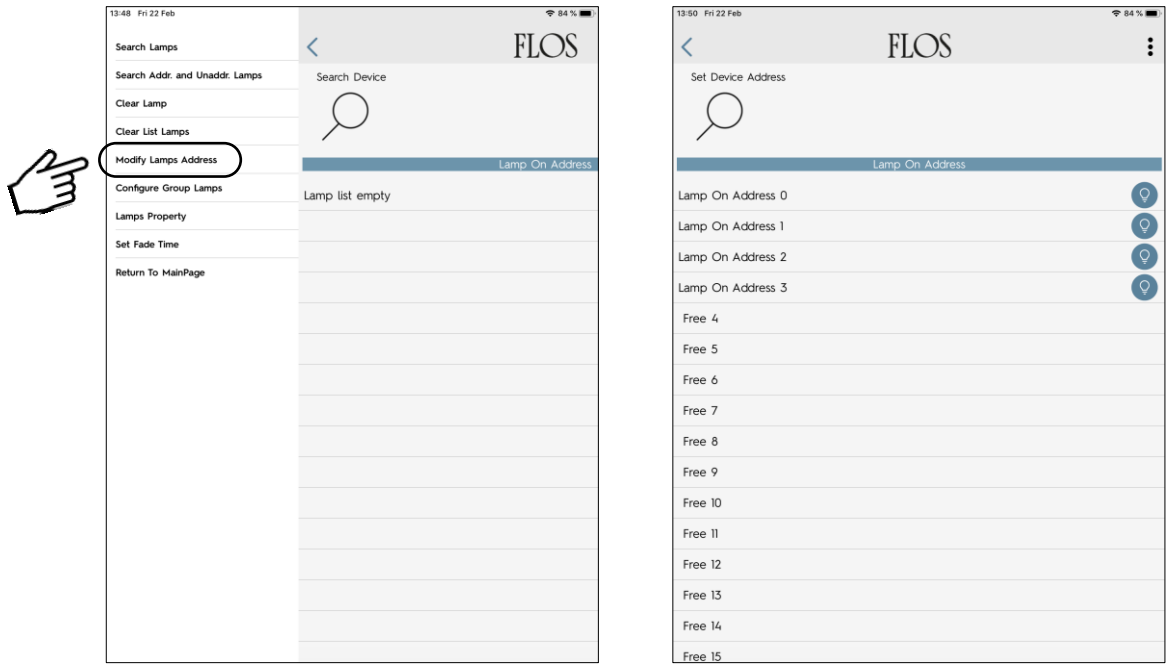
# FLOS SMART SETTING APP User Manual

## MODIFY LAMPS ADDRESS

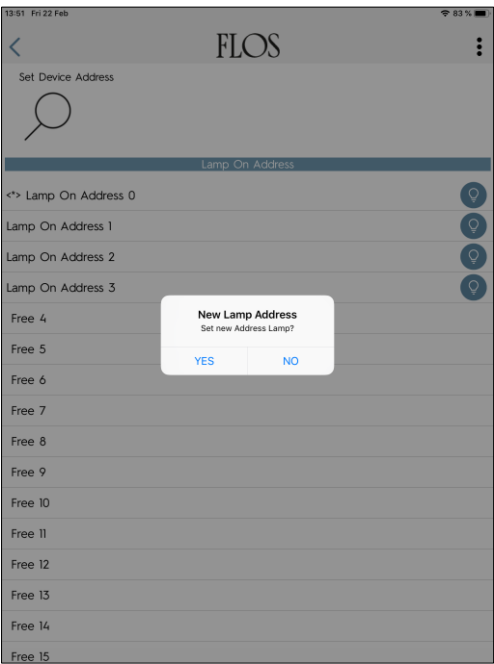
This option allows you to modify the logical addresses assigned to the listed lamps during the scan.

Select Modify Lamps Address to display a new list of lamps in the positions assigned during the scan.

The menu changes, and Modify Lamps Address is replaced by List Lamps Address.



To edit an address, select a lamp and follow the instructions:

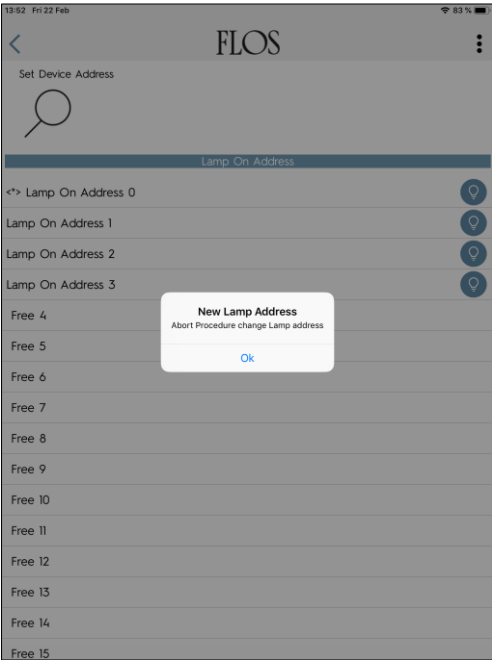




# FLOS SMART SETTING APP User Manual

Select No to quit the procedure, and Yes to update the list with the address change code “<\*>” assigned to the selected lamp.

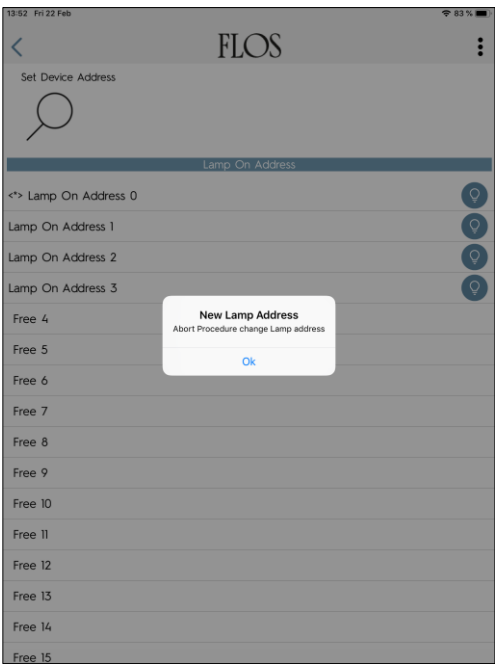
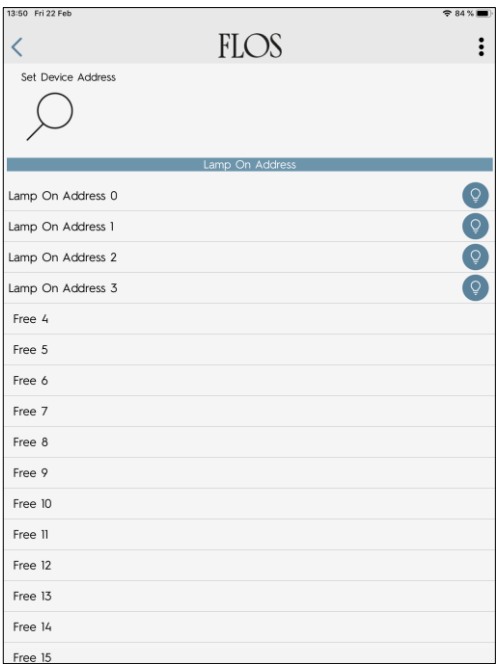
Now choose a free address (free addresses are marked “n Free”, where “n” is the unassigned address).



The lamp is now displayed in the new position with its new address.

## Aborting the new address assignment procedure

If you have selected the wrong lamp, simply select it again and follow the prompts:



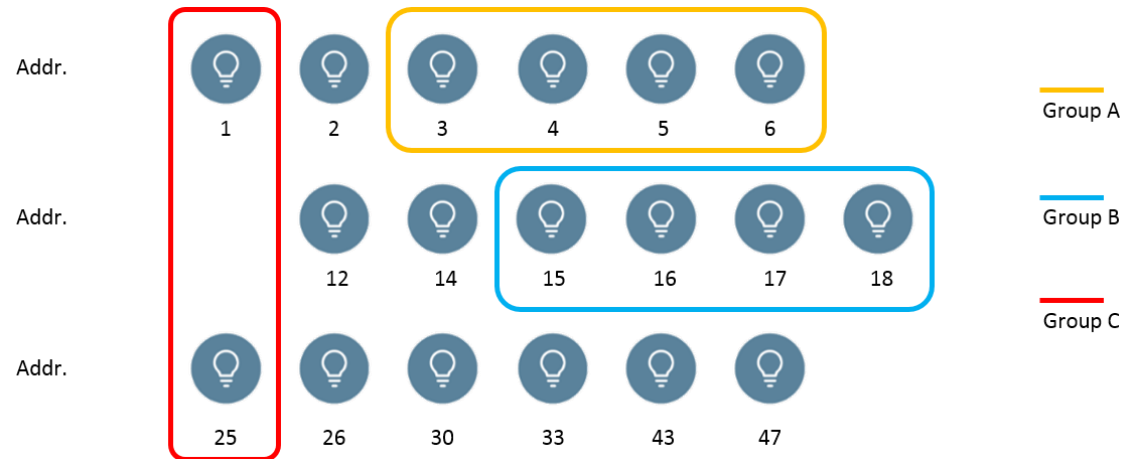
# FLOS SMART SETTING APP User Manual

## CONFIGURE GROUP LAMPS

This option enables you to group sets of lamps on the Dali bus together, so that they can be controlled using a single group address.

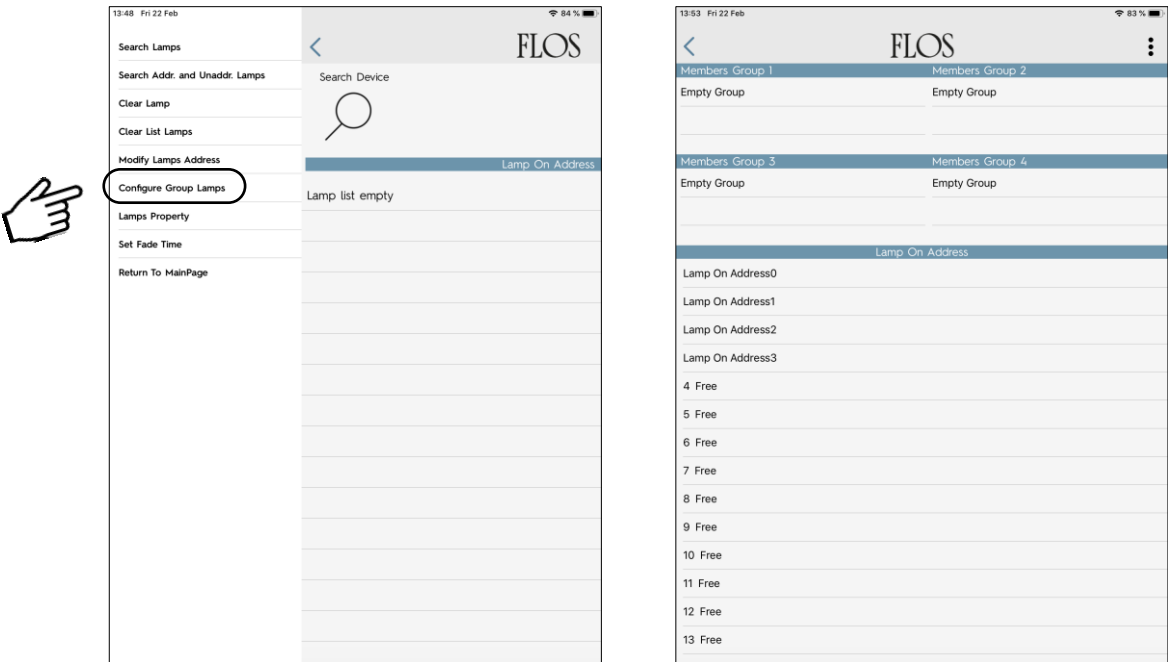
The DALI protocol provides for up to 16 groups of lamps, but the application is limited to 4 groups.

A group of lamps can be represented graphically as follows:



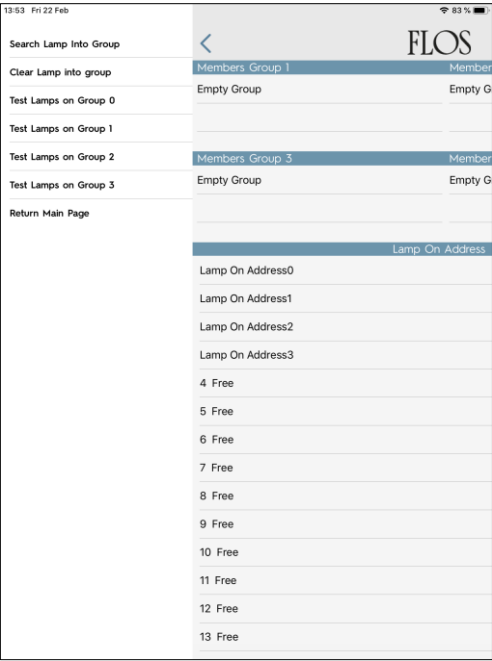
**IMPORTANT:** Do not set-up one lamp into different groups if you have the intention to use the functionalities of scenes or timers in the Smart Control APP.

Select Configure Group Lamps to run a service which reads the configuration of the DALI network.



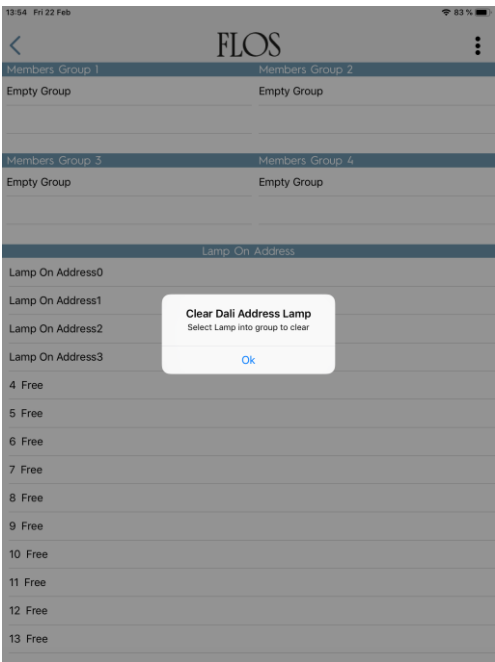
# FLOS SMART SETTING APP User Manual

Once the configuration has been scanned, the following options are available:



## Clear lamp into group

This option displays:

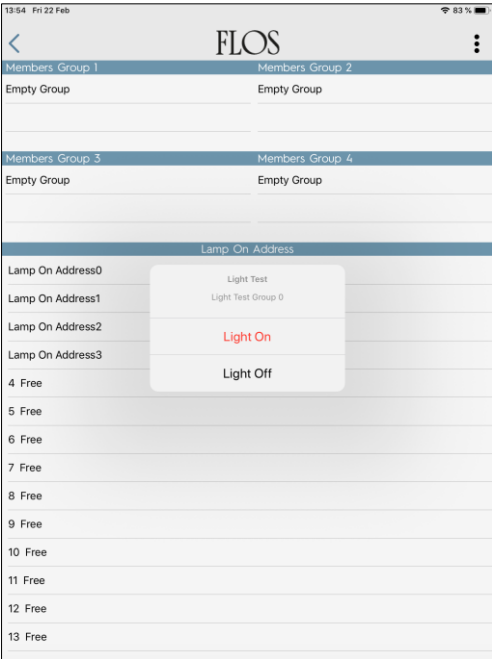


As shown in the picture to delete a lamp from a group simply press the lamp itself for a few seconds.

# FLOS SMART SETTING APP User Manual

## Test lamps on group (1...2...3...4)

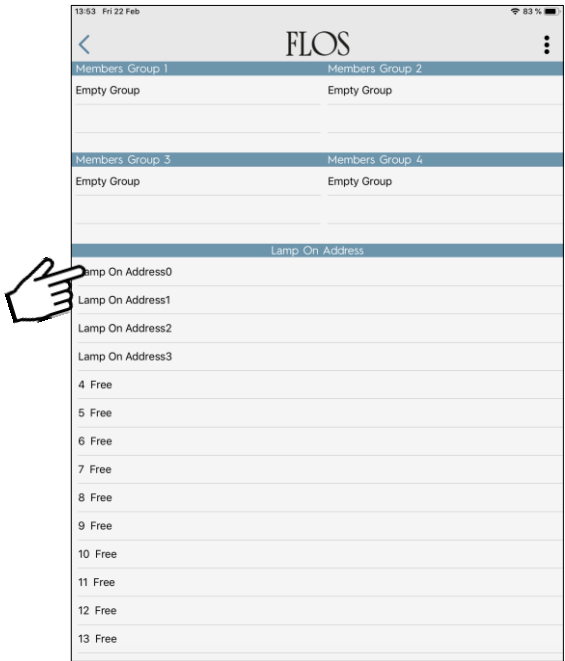
Select an option to run the guided procedure for turning the group of lamps on and off.



## Assigning a lamp to a group

Proceed as follows:

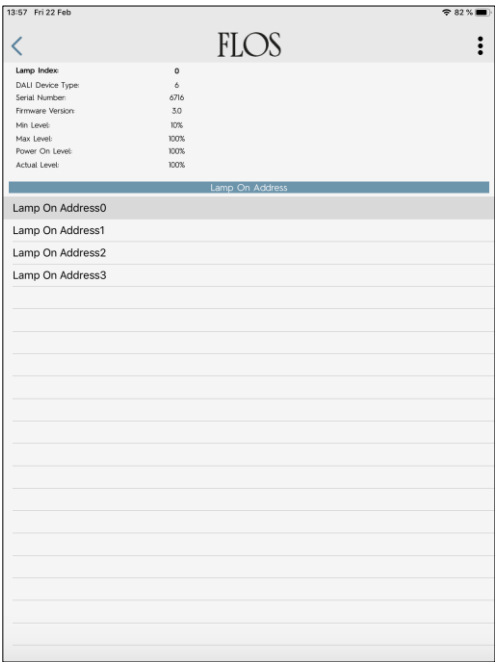
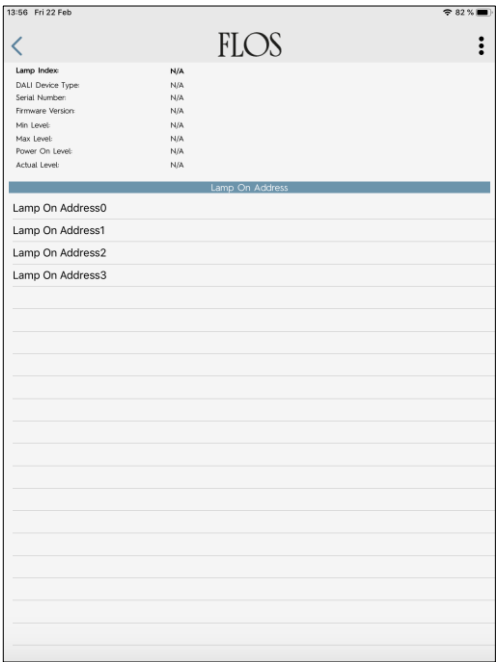
- Select the lamp as shown in the figure by pressing it for a few seconds.
- The lamp is now marked with “<\*>”.
- Now select the first line of an empty group to menu Memo Lamp into Group.



# FLOS SMART SETTING APP User Manual

## LAMP PROPERTIES

This option displays the lamp's factory settings. Simply select the option, select a lamp and wait for the system read its properties.

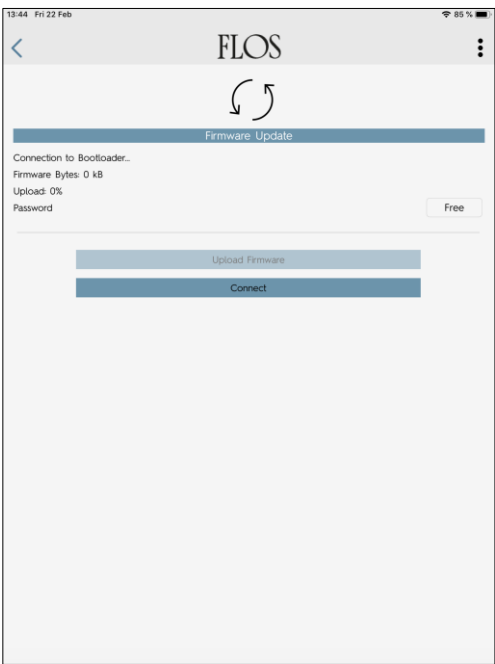


## BOOTLOADER SERVICE

FLOS Architectural products are continually evolving, and our firmware and software can be updated to ensure that they are compatible with the full range of commercial products.

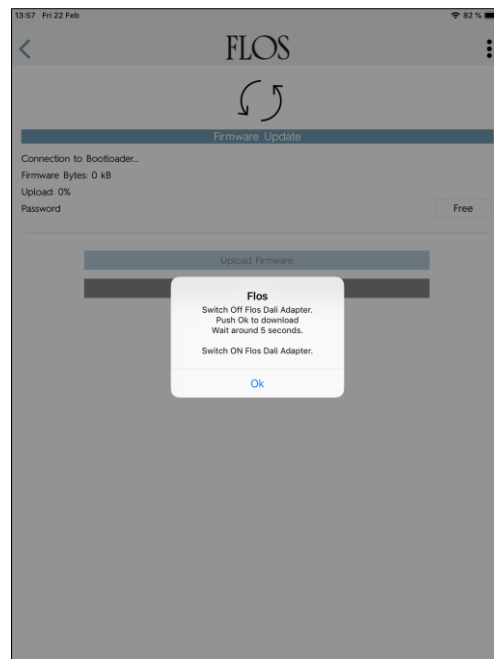
This option allows you to update the firmware of the Gateway module.

When you launch the app, the following menu will display, which provides access to the module update page.



# FLOS SMART SETTING APP User Manual

To update the module, press Connect Controller.

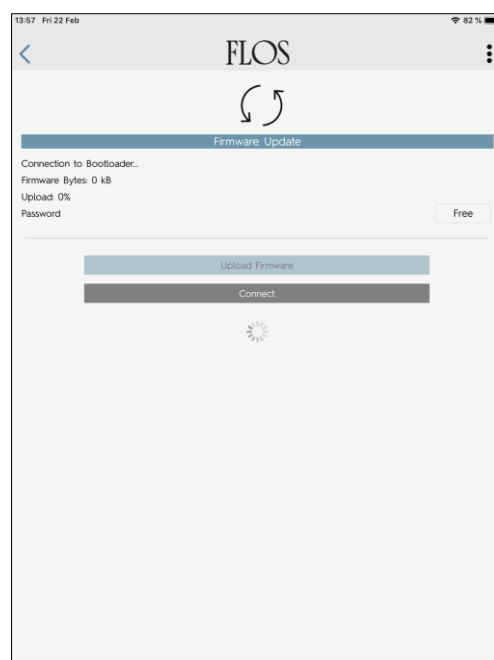


You will be prompted to turn the Gateway module off and back on again, since the update service only initiates during the first 5 seconds after power on, after which the programming app executes.

Shut off power to the programmer, and wait 10 seconds to ensure that it has turned off completely.

After 10 seconds, press OK on the app and power the Gateway module back on again.

The application will automatically connect to the update routine and display the following interface:



# FLOS SMART SETTING APP User Manual

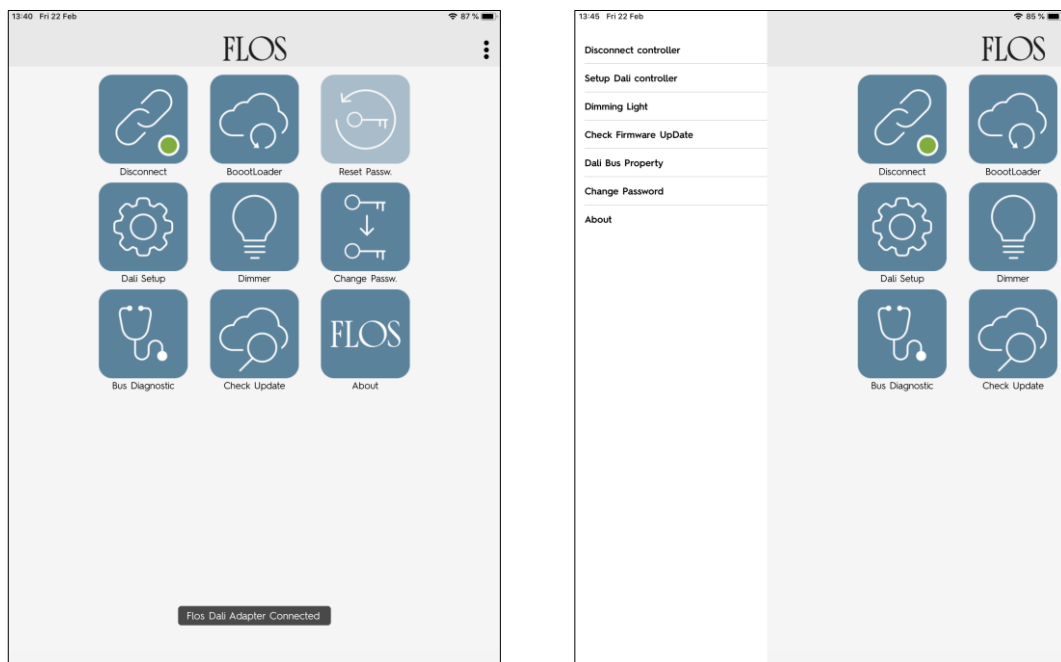
Now press Download to start the update.

Wait for the update to terminate.

Press OK to return to the main page.

## Checking the Gateway module update

To make sure the update was successful, connect to the Gateway module and select Check Update.



The update procedure is now complete.

Note: Always check that the Gateway module's firmware is up to date when you install a new version of the app.