

User Manual AUTOLIGHT SMART DALI



Index

1. [Introduction](#)
2. [Technical Data](#)
3. [Installation – Set up Network and teach-in Sensors](#)
4. [Settings](#)
5. [Definition of Groups](#)
6. [Definition of Profiles](#)
7. [Backup](#)
8. [Recovery](#)
9. [Deinstallation – Disassociation of Sensors and delete Networks](#)
10. [Troubleshooting](#)
11. [Imprint](#)

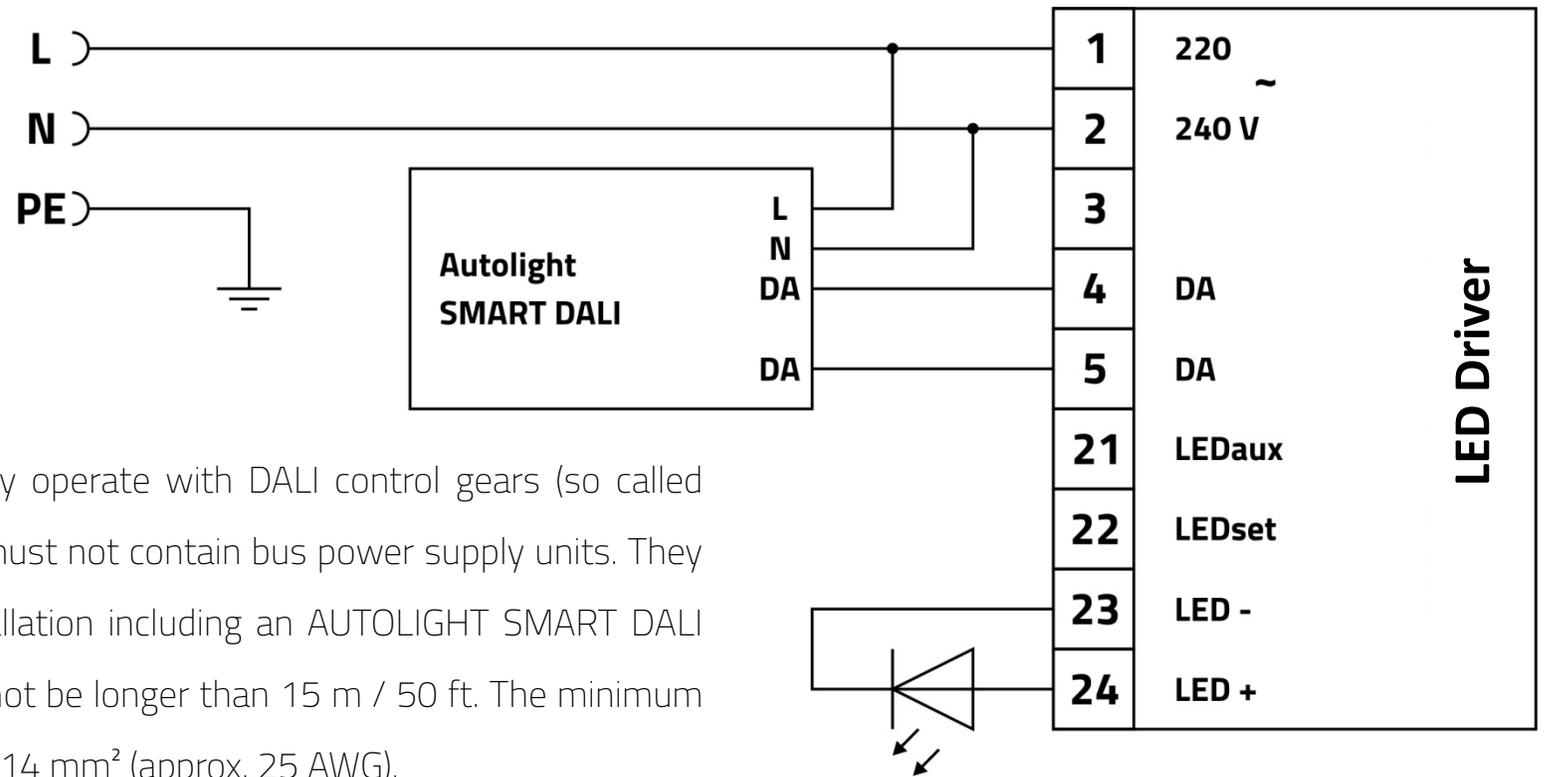
AUTOLIGHT SMART DALI

The AUTOLIGHT SMART DALI is a small and compact 5.8 GHz HF motion detector for switching, dimming and networking from single luminaires to complex installations. Settings can easily be made by Smartphone App via Bluetooth point to point communication or mesh network. It allows to adjust individual luminaires, groups or profiles for a complete installation. The distance between the sensor units can be up to 20 m indoors. It is equipped with a DALI interface which allows to control up to 4 DALI slaves in a broadcast mode.

Technical Data

Operating voltage	230 V +/- 10 %, 50 Hz
Power consumption at 230 V	< 1,0 W
Interfaces	DALI MASTER (max. 4 DALI loads / max. 8 mA); Bluetooth interface
Sensor principle	HF motion detection
Frequency range	5,8 GHz +/- 75 MHz
Radiated power	< 1 mW
Detection range	Up to 15 m (wall mounting), up to 10 m (Ø at ceiling mounting)
Detection angle	Approx. 120° (depending on luminaire)
Speed detection	0,3 ... 3 m/s (1 ... 10 km/h)
Adjustable functions	via App on smart device (iOS)
Sensitivity	10 ... 100 %
Hold time	5 seconds... 60 minutes
Daylight sensor	1 Lux ... 300 Lux; ∞; teach in
DIM level	0 ... 100 %
Program modes	On / Off, Permanent, Corridor; Soft Dim: active / inactive
Mounting height	max. 2,70 m (wall mounting), max. 4,00 m (ceiling mounting)
Operating temperature	-20 ... +60 °C
IP rating	IP 20 (mounting inside luminaire)
Measures	84 x 30 x 21 mm (L x W x H, incl. mounting lugs)
Certifications	CE

Technical Data (wiring diagram)

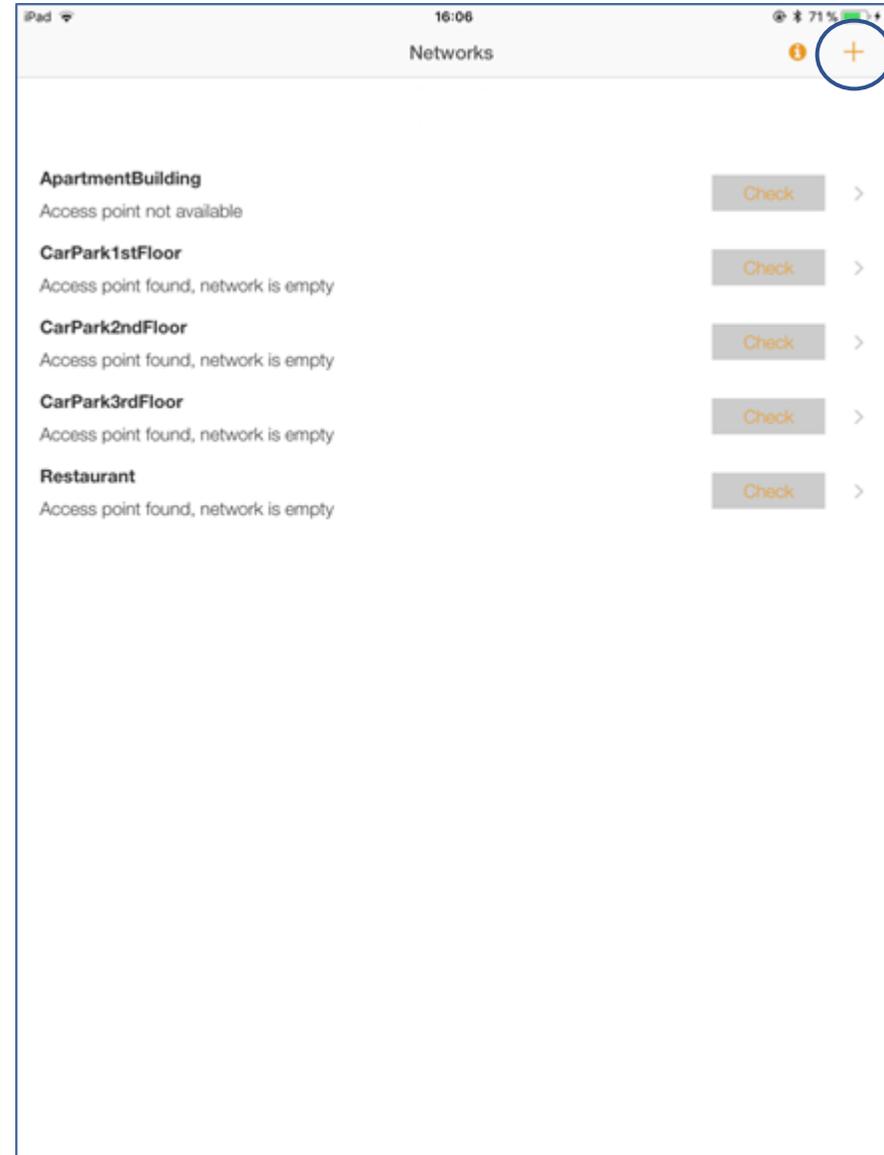


The AUTOLIGHT SMART DALI can only operate with DALI control gears (so called slaves) in the same bus. Those gears must not contain bus power supply units. They would destroy the device. In any installation including an AUTOLIGHT SMART DALI the sum of all Dali-wires length must not be longer than 15 m / 50 ft. The minimum cable cross section of copper wires is 0,14 mm² (approx. 25 AWG).

Installation

Create new network

1. Tap „+“ for creating a new network.



Installation

Setup a new network: options for encryption of network information

IMPORTANT: When setting up a new network, there are two options for securing the network information by the usage of different types of encryption keys (password):

1. Individual key
2. Corporate key

Installation

Setup a new network: individual key

Using an individual key secures your network information on maximum level. After network setup the App will ask you to save the configuration via email. Without this backup another mobile device cannot access the network and there is no liability and no possibility for the supplier to provide service. In this case a loss of the password or mobile device means that access to the configuration of the sensors of this network is no longer possible.

Installation

Setup a new network: corporate key

Using a corporate key allows the simplest network setup. The network is secured with a standard key, provided from the supplier. Other users of the App can access the network.

NOTE: Only one network with this key is possible inside a building.

Installation

Setup a new network: individual key

1. Create a name for the new network
2. Activate the option „individual key“
3. Enter the key / password for this network.
4. Enter the e-mail address you want to use as answer for the security prompt.
5. Press „Save“ to secure the network.
6. Read the following message. With <OK> you confirm the statement and save the network.

iPad 16:07 71%

Cancel Create Network Save

Name: micas

Individual key:

Individual key: Maximum protection for your network by using a self selected, secure password. Don't forget to backup your network configuration for access any time.

Corporate key: This setting ensures easiest installation, but provides less protection against unauthorized access.

Password: ●●●●

Repeat Password: ●●●●

Recovery Email: info@micas.de

Repeat Email: info@micas.de

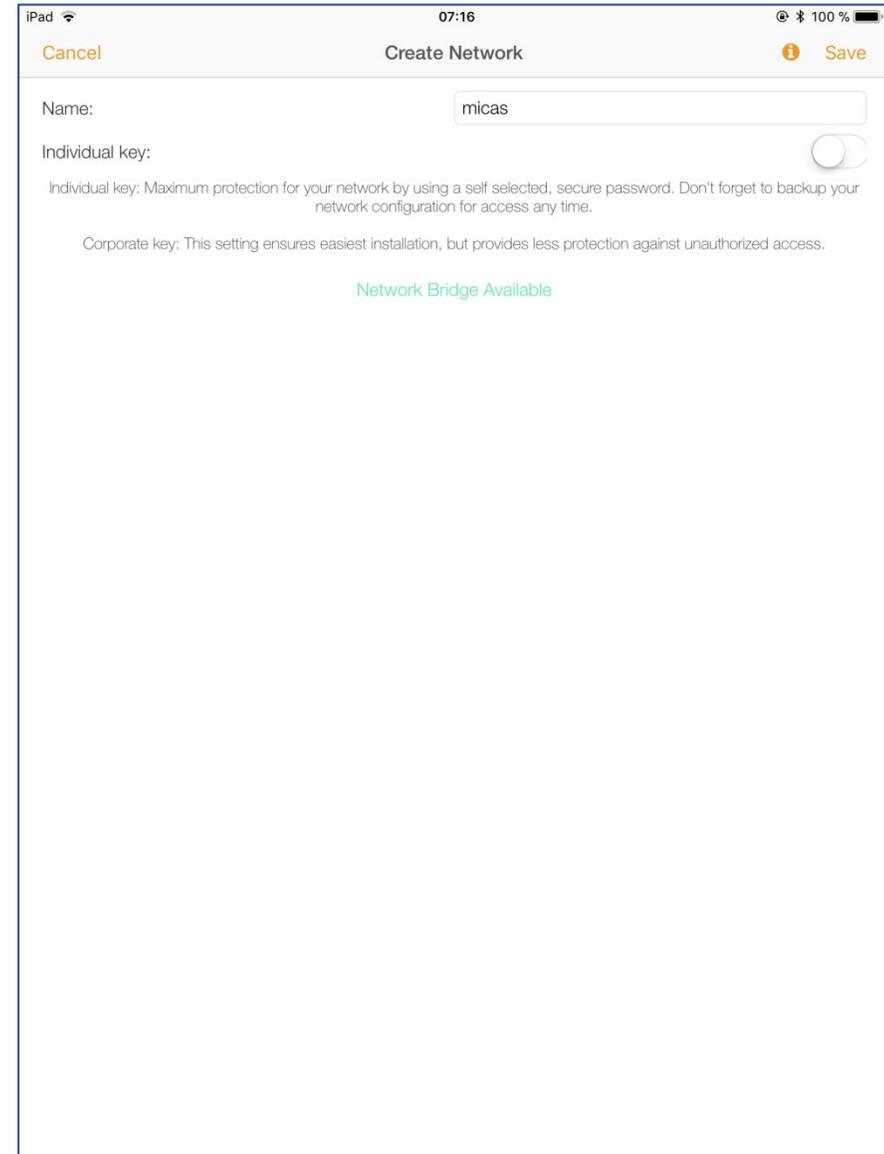
The recovery email address can be used to recover your password if you forgot it.

Network Bridge Available

Installation

Setup a new network: corporate key

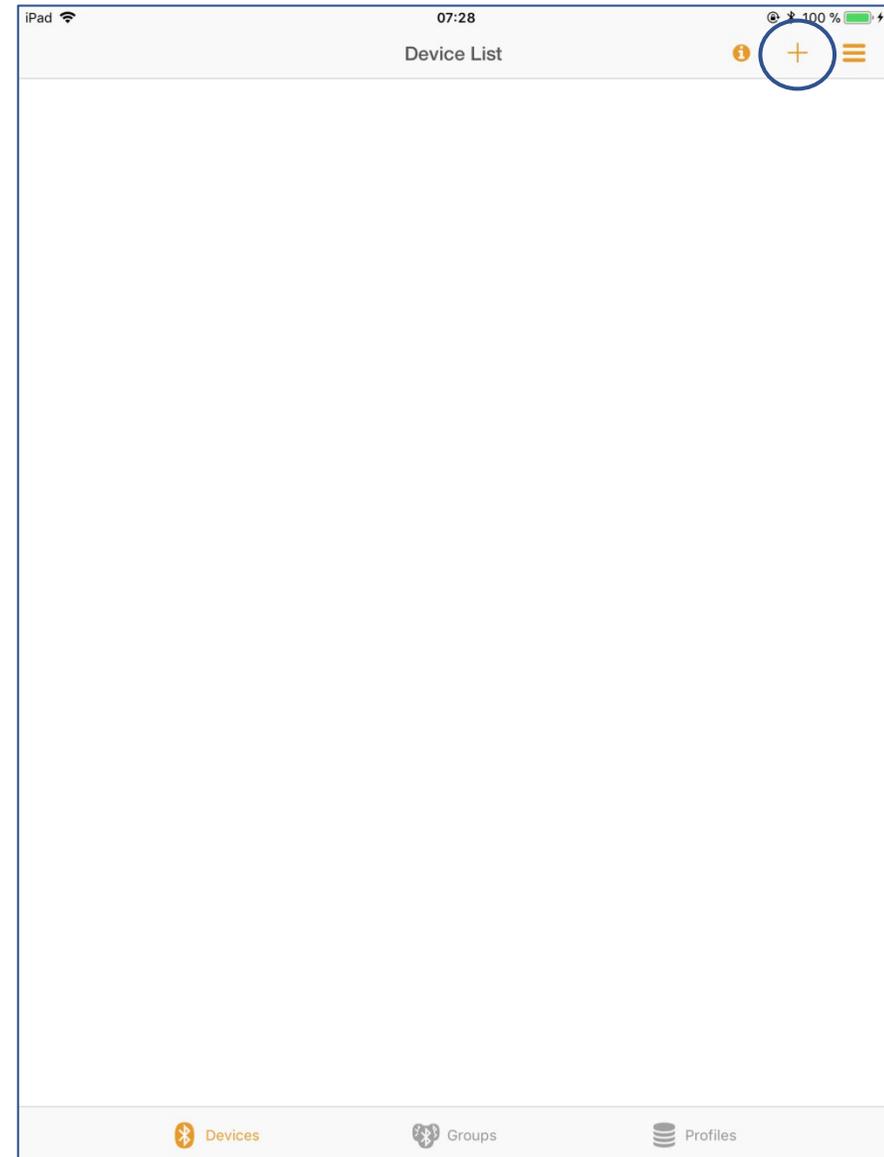
1. Create a name for the new network
2. Deactivate the option „individual key“
3. Press „Save“ to secure the network.
4. Read the following message. With <OK> you confirm the statement and save the network.



Installation

Search for available devices

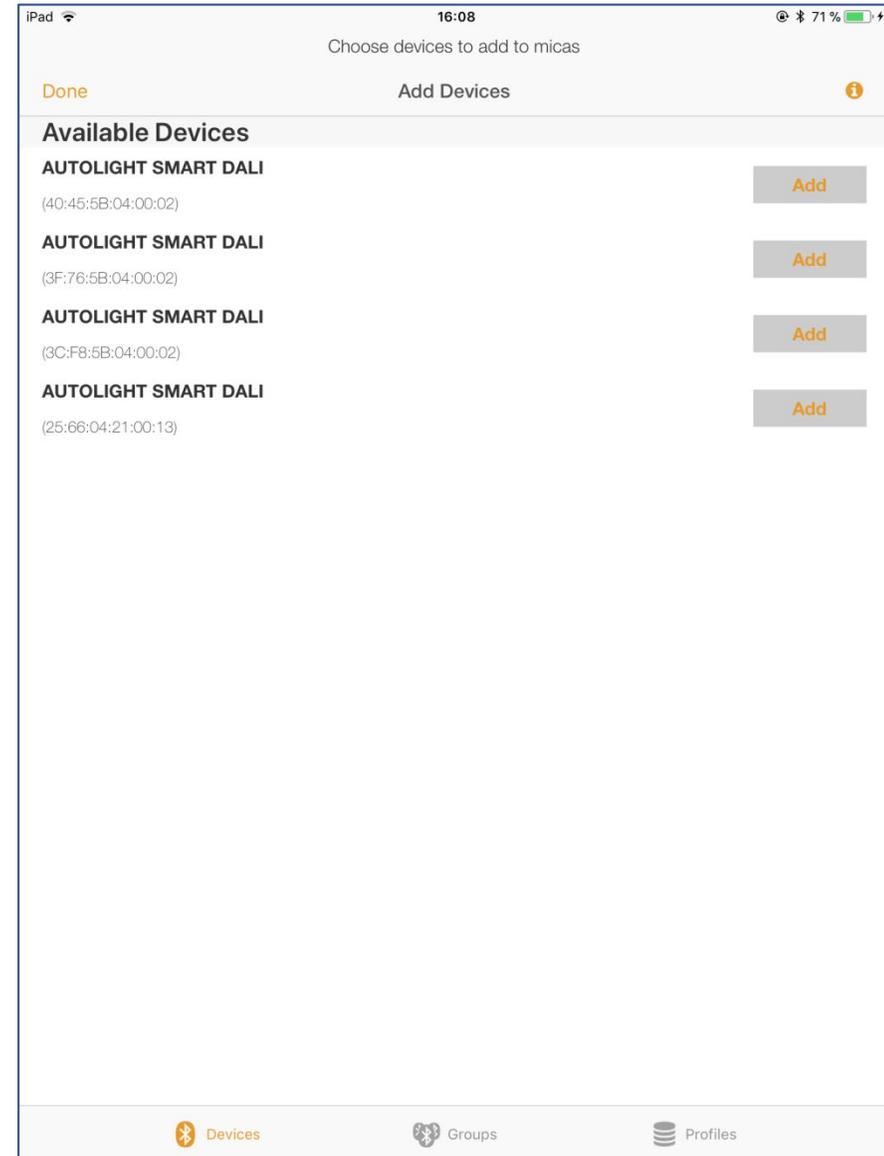
1. You are now in the network created in the previous step.
2. Tap „+“ to search for available devices.



Installation

Teach-in new sensors

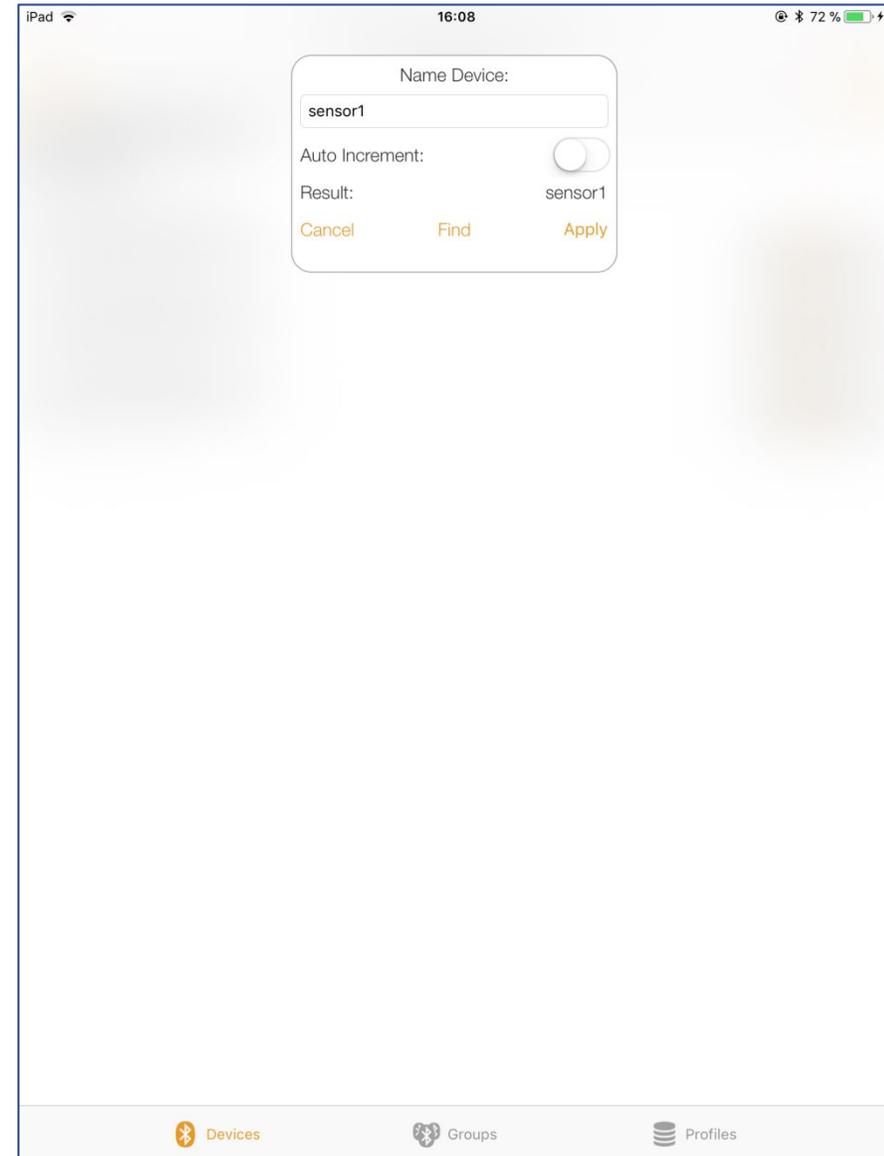
1. The listed devices are reachable via Bluetooth mesh and are available for a new network. Devices listed in the App aren't included in other networks.
2. NOTE: The search for new devices may take a few seconds.
3. Tab „Add“ to add the device to the network.
4. The added sensor reacts by blinking.



Installation

Teach-in new sensors

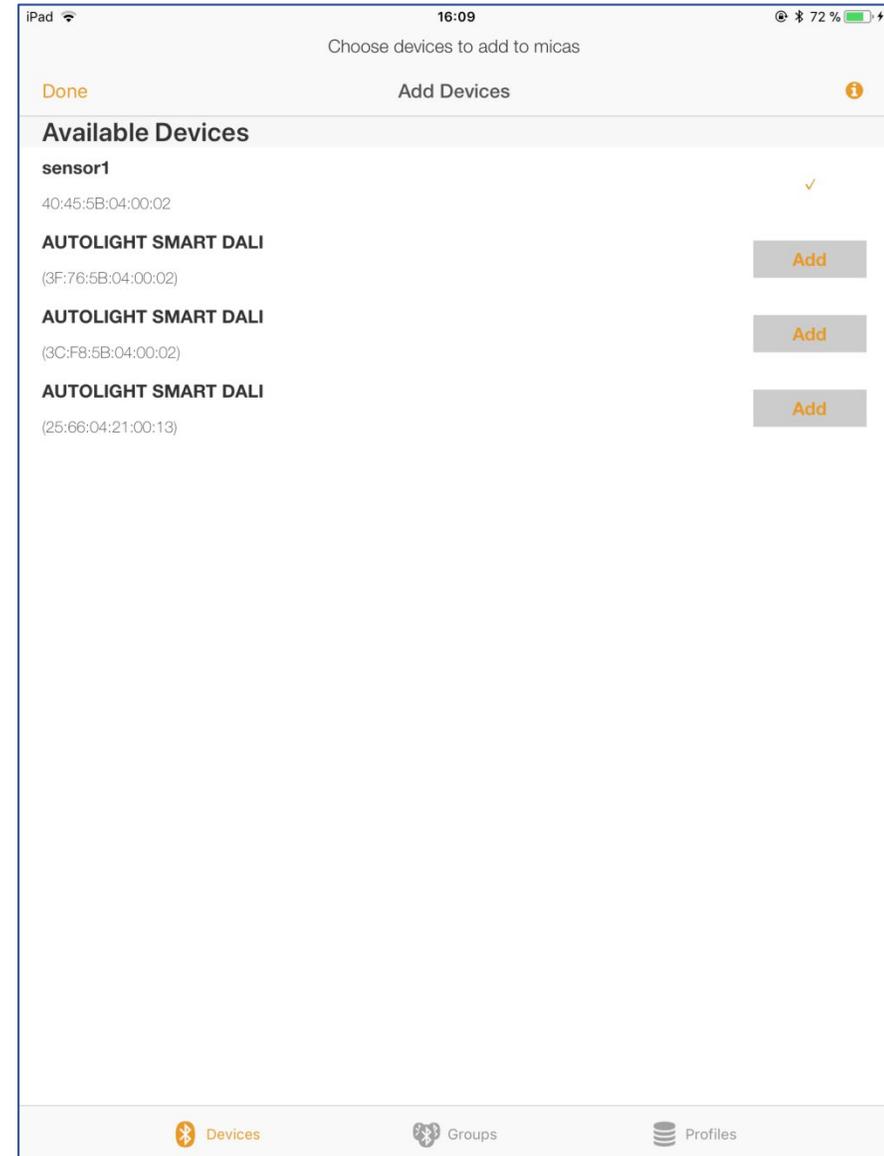
1. Create a name for the device (max. 14 characters).
2. If „Auto Increment“ is activated, it counts up to the highest available name automatically.
3. Tab „Find“ to localize the luminaire (luminaire flashes three times).
4. Tab „Apply“ for adding the device with the created name to the network.



Installation

Teach-in new sensors

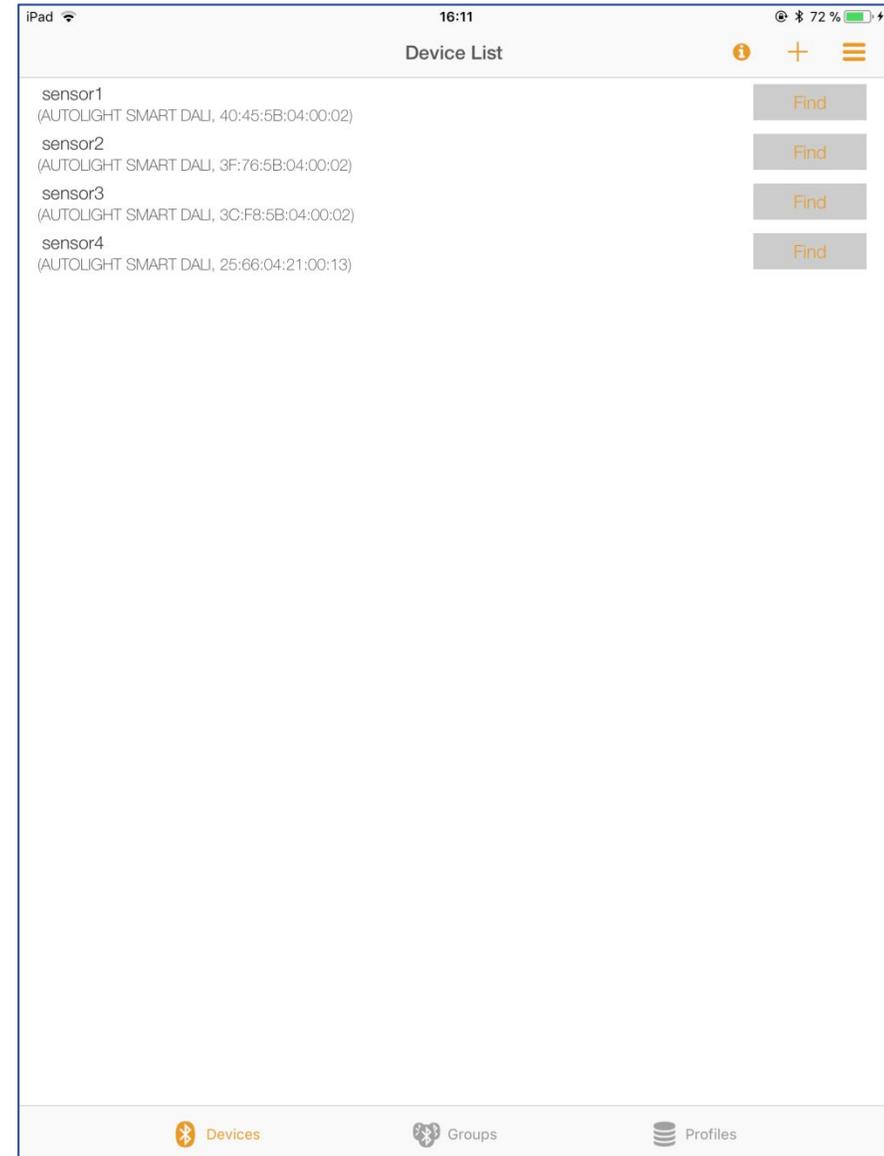
1. Devices added to the network will be marked with a check mark.
2. Press „Done“ to return to the device list.



Installation

Teach-in new sensors

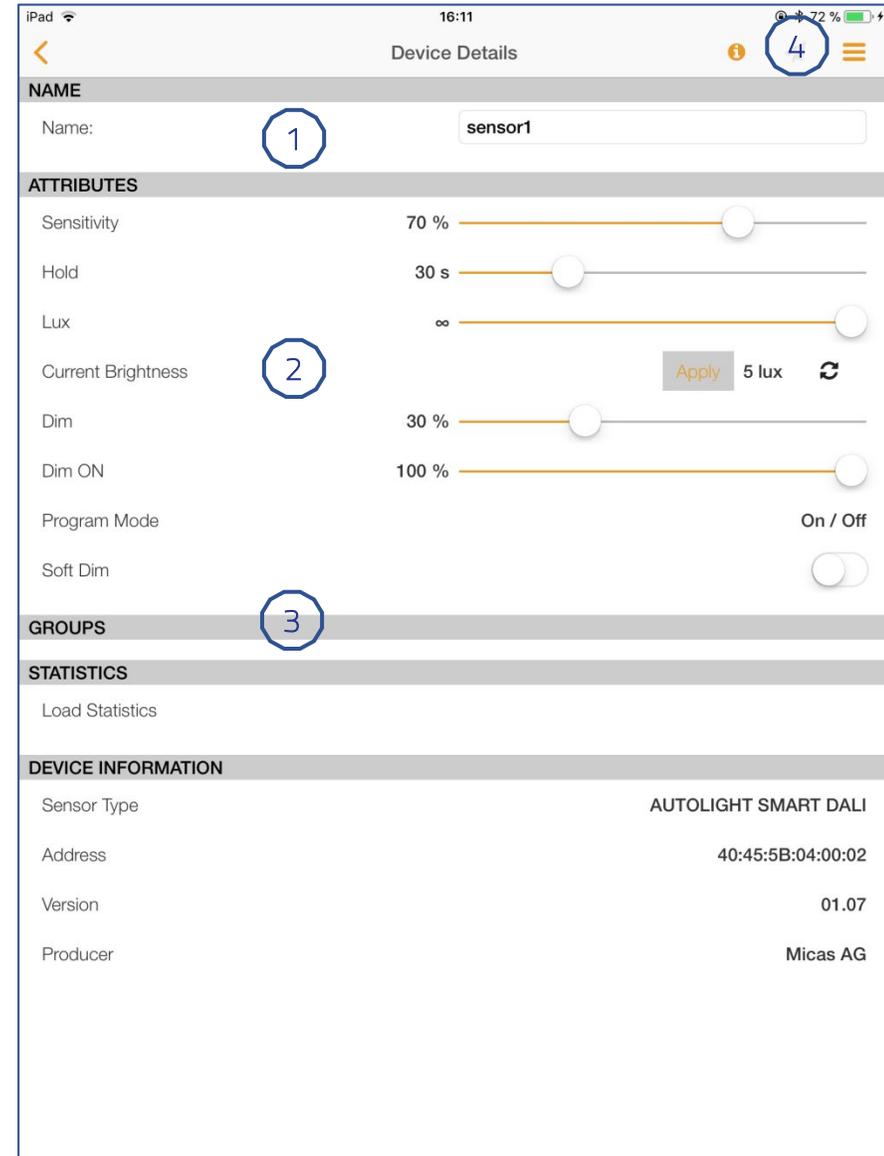
1. The device list shows all devices registered in the network.
2. Tap „Find“ to localize the luminaire.
3. To make adjustments to the devices, press the corresponding sensor (e.g. sensor1).



Configuration

Sensor configuration

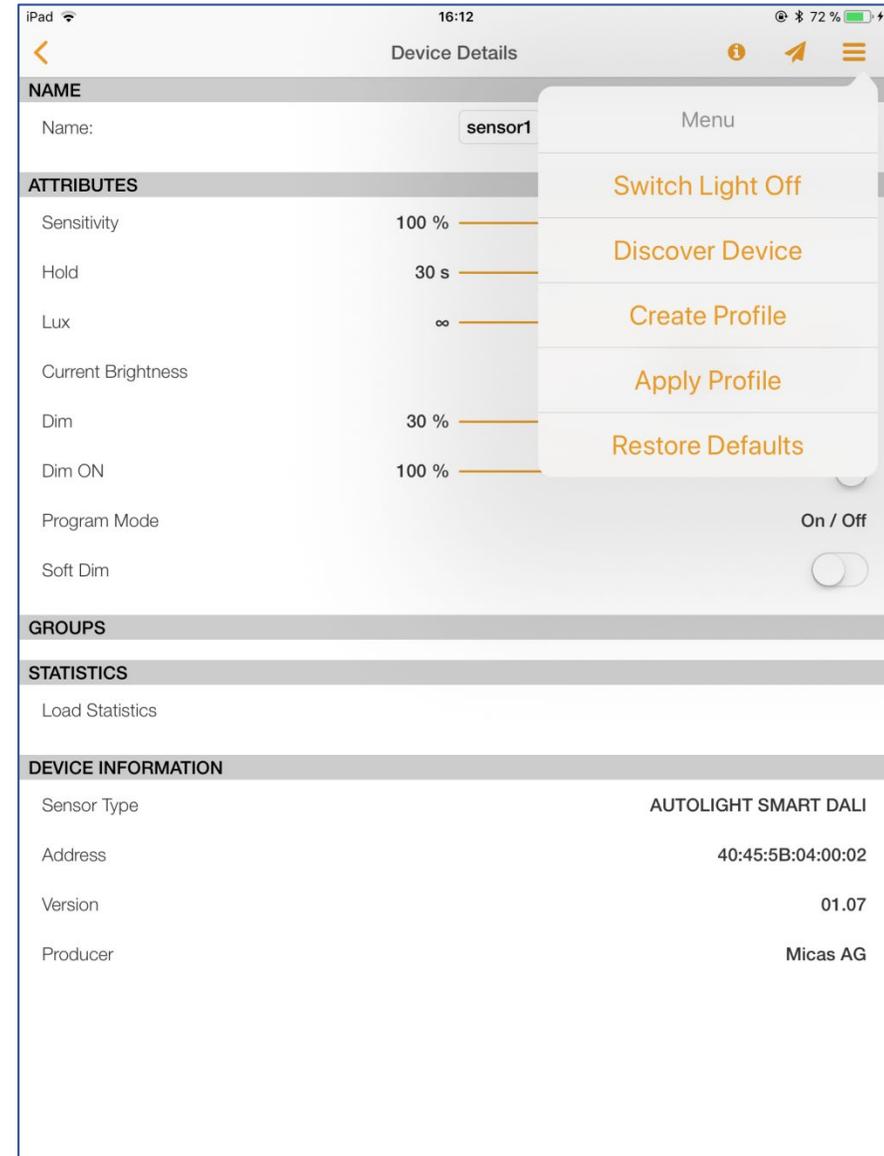
1. Possibility to change name of the device (max. 14 characters).
2. Change settings.
3. Possibility to add or remove devices from groups .
4. Tab the „paper airplane“ sign to send the configuration directly to the sensor. The Luminaire starts flashing as confirmation.



Configuration

Sensor configuration

1. Tap to open the drop-down menu - the menu selection opens with the following functions:
2. Switch light on/off manually.
3. Localize the luminaire – luminaire starts flashing three times.
4. Create a new profile with current set configurations.
5. Use settings from an available profile.
6. Reset the configurations to factory settings. Created networks and groups remain unchanged.



1

2

3

4

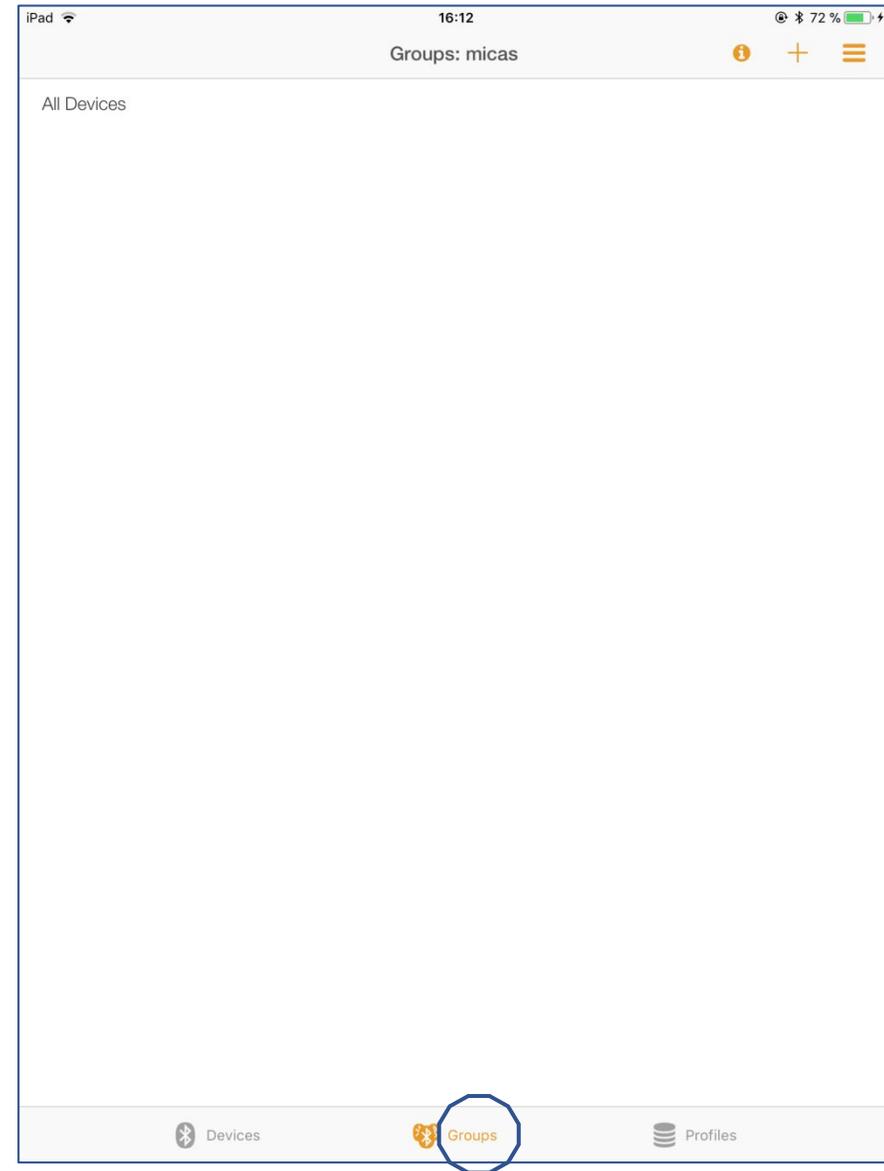
5

6

Definition of Groups

Grouping of luminaires

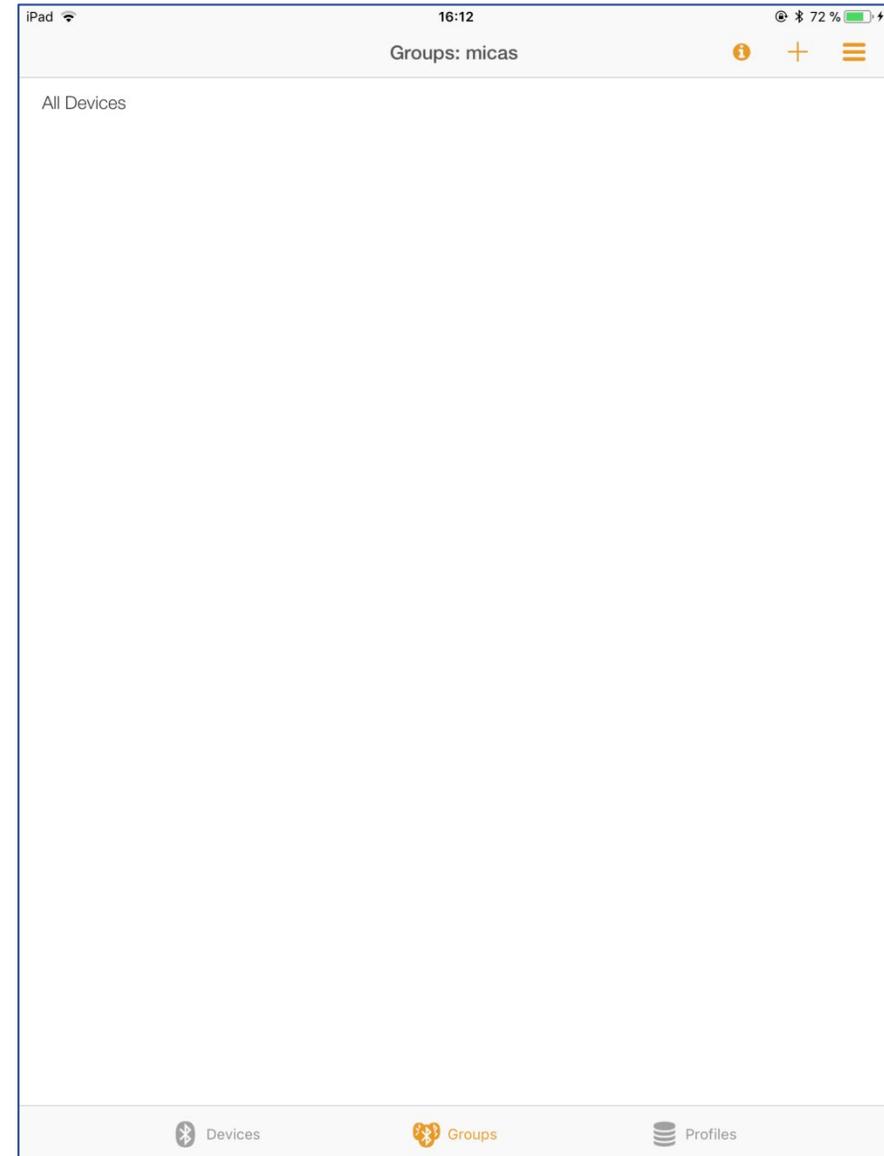
1. Tab „Groups“ to go to the group list overview.



Definition of Groups

Grouping of luminaires

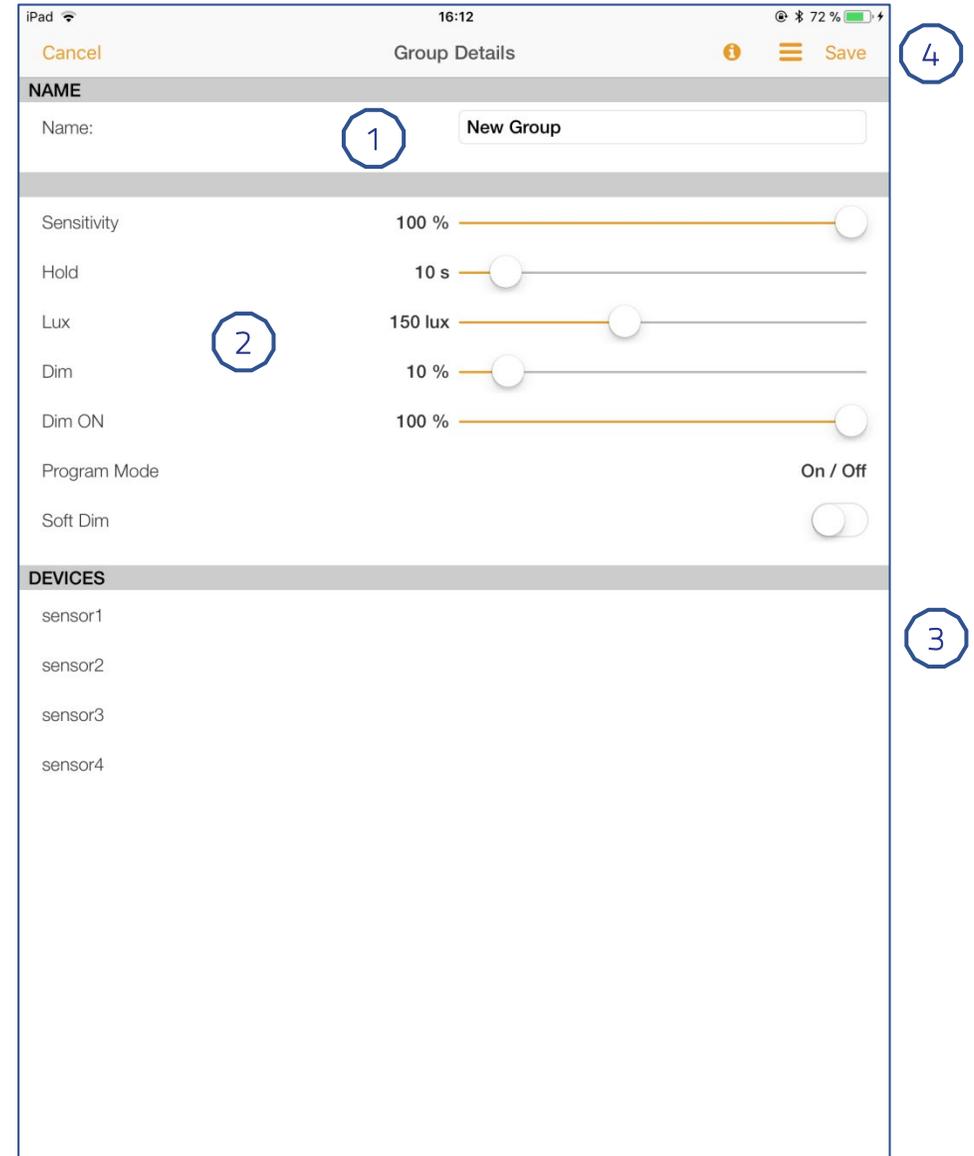
1. Tab „+“ to create a new group.
2. Tab on a group to see details and settings.



Definition of Groups

Grouping of luminaires

1. Possibility to rename the group.
2. Settings.
3. Tapping on the device will add the sensor to the group. (check mark appears to confirm assignment)
4. Tab „Save“ to store the changes.

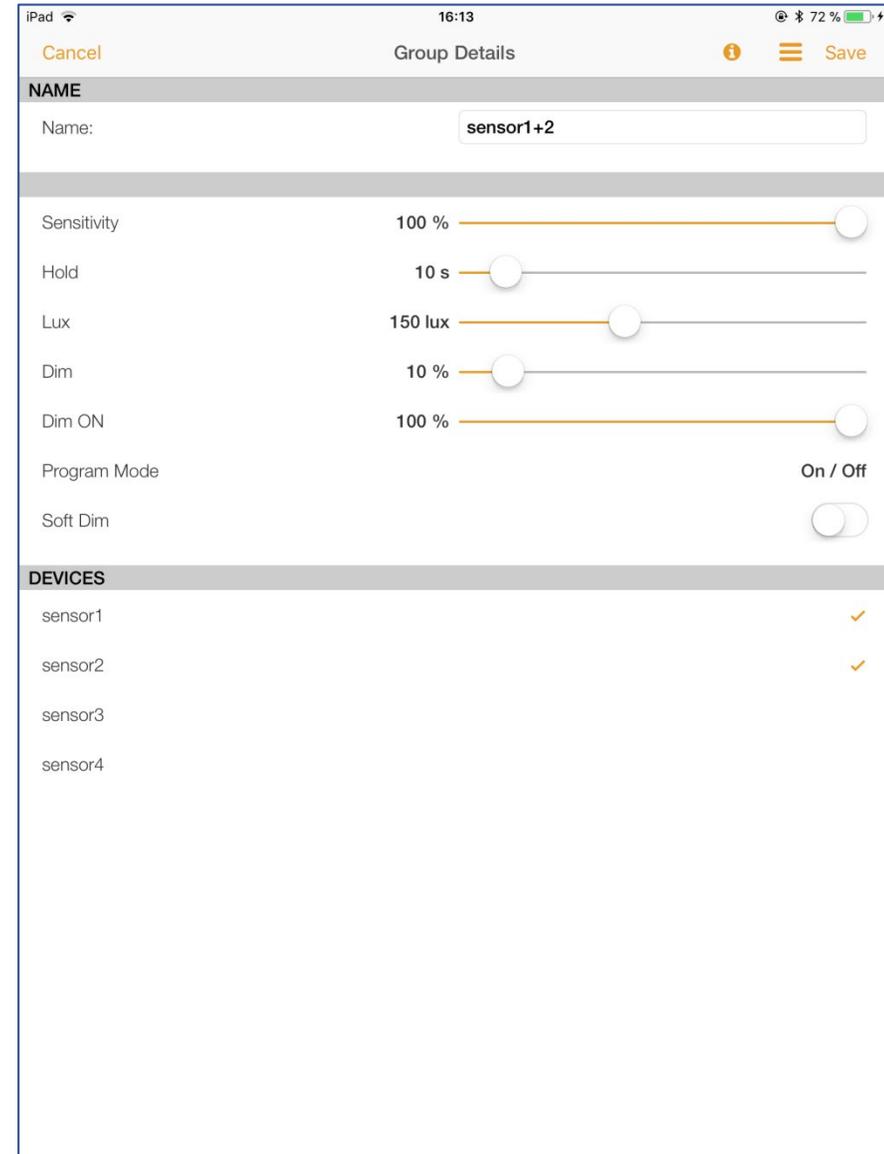


Definition of Groups

Change of settings in a group

1. After changing the settings, the paper airplane icon will be activated (changes color from grey to orange).
2. Tap the paper plane icon to send information directly to the group. Luminaires of this group starts flashing to confirm the changes.

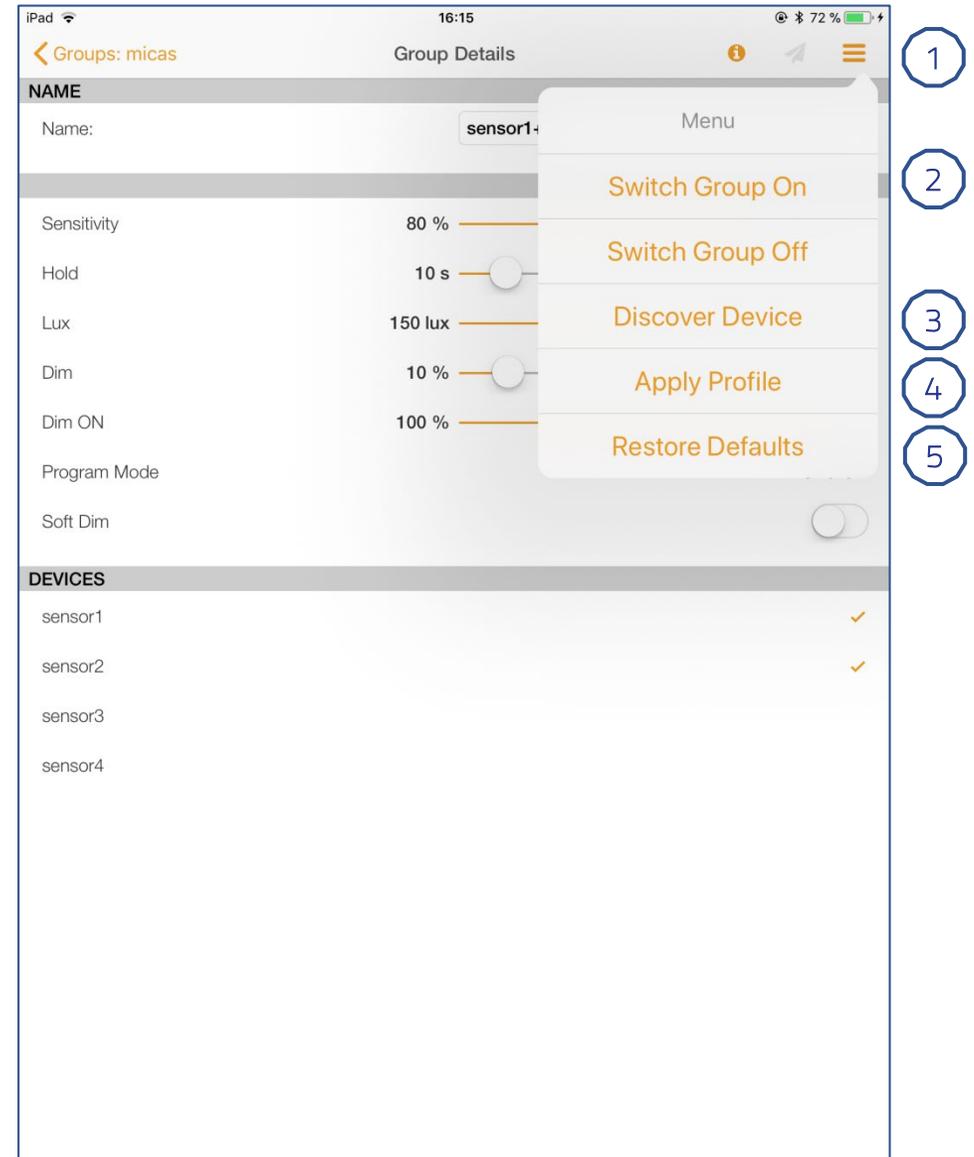
NOTE: with sending the information, always all settings are transmitted to the sensors.



Definition of Groups

Group functions

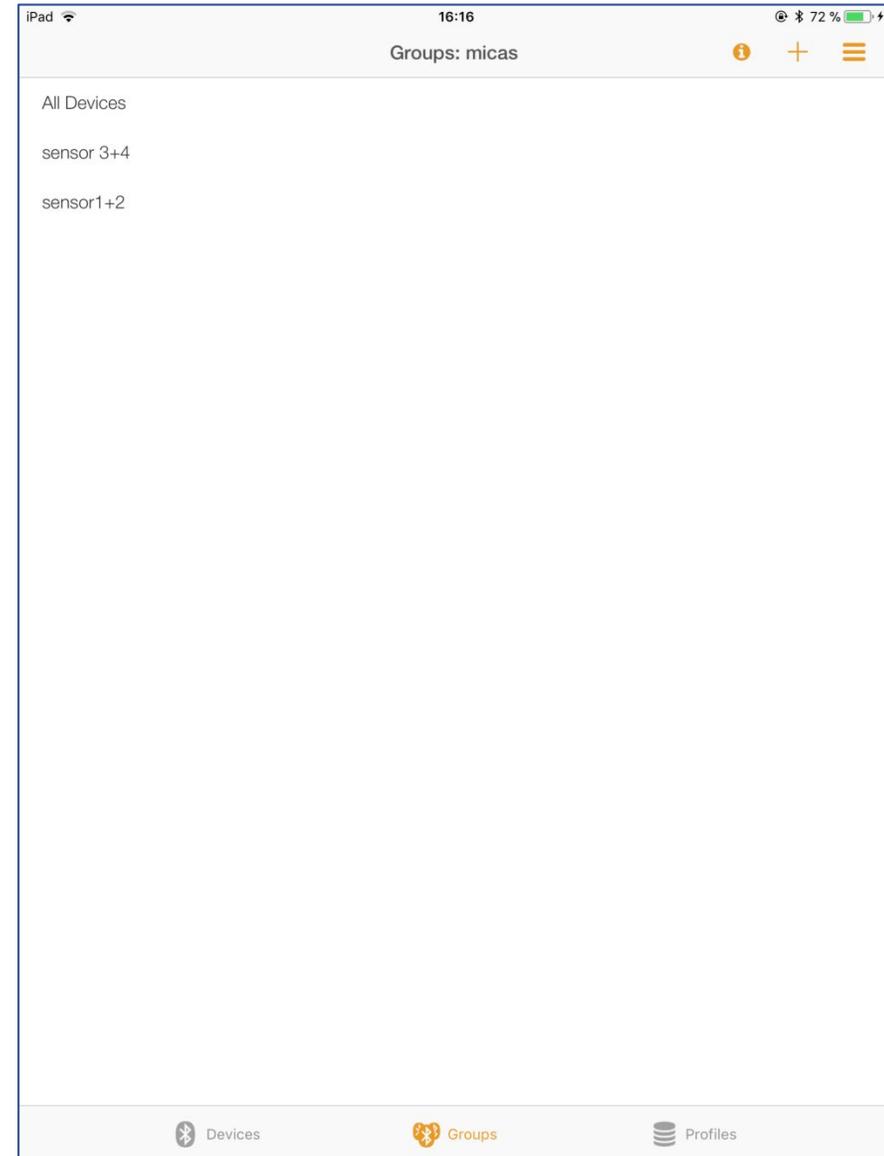
1. Tap to open the drop-down menu.
2. Switch light on/off manually.
3. Localize the luminaires of the group – luminaires start flashing three times.
4. Take over the settings from an available profile.
5. Reset the configurations to factory settings. Mesh network configuration and grouping remain unchanged.



Definition of Groups

Delete Groups

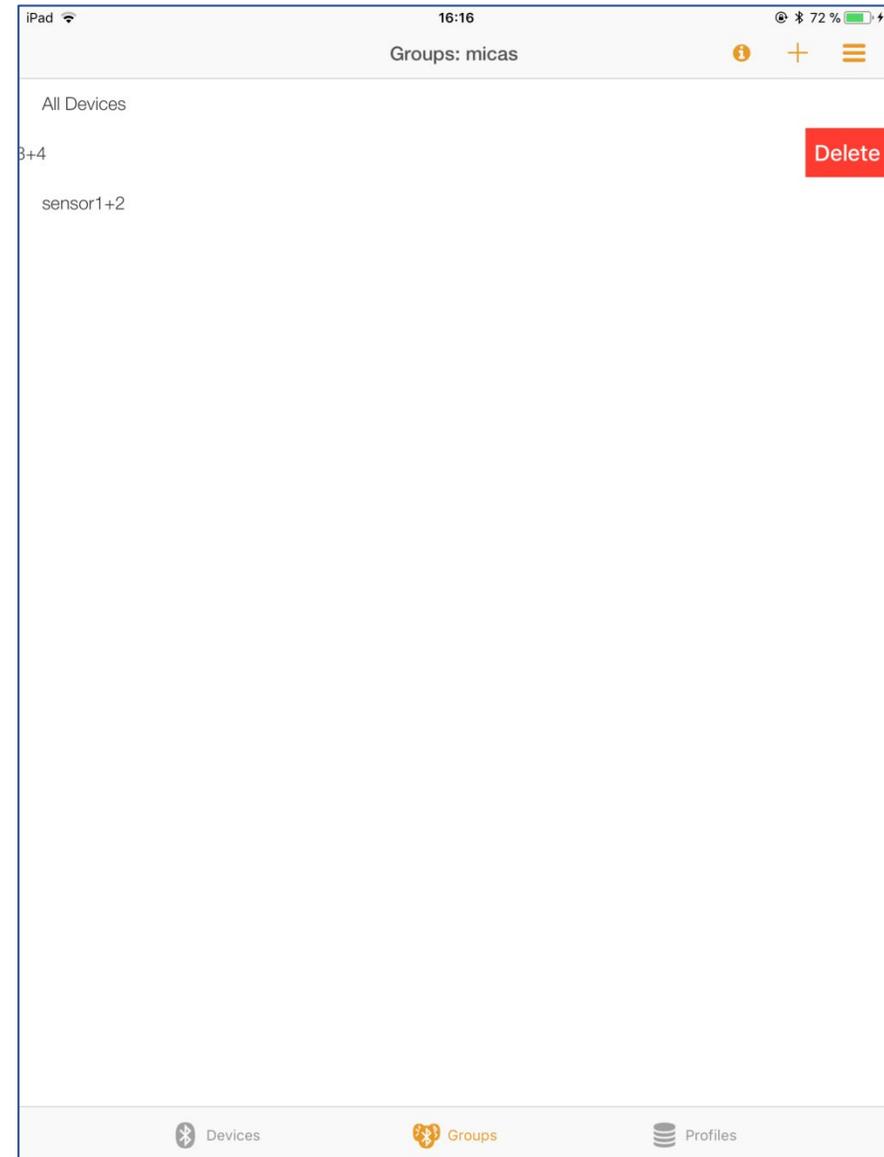
1. Go to the Group overview.



Definition of Groups

Delete Groups

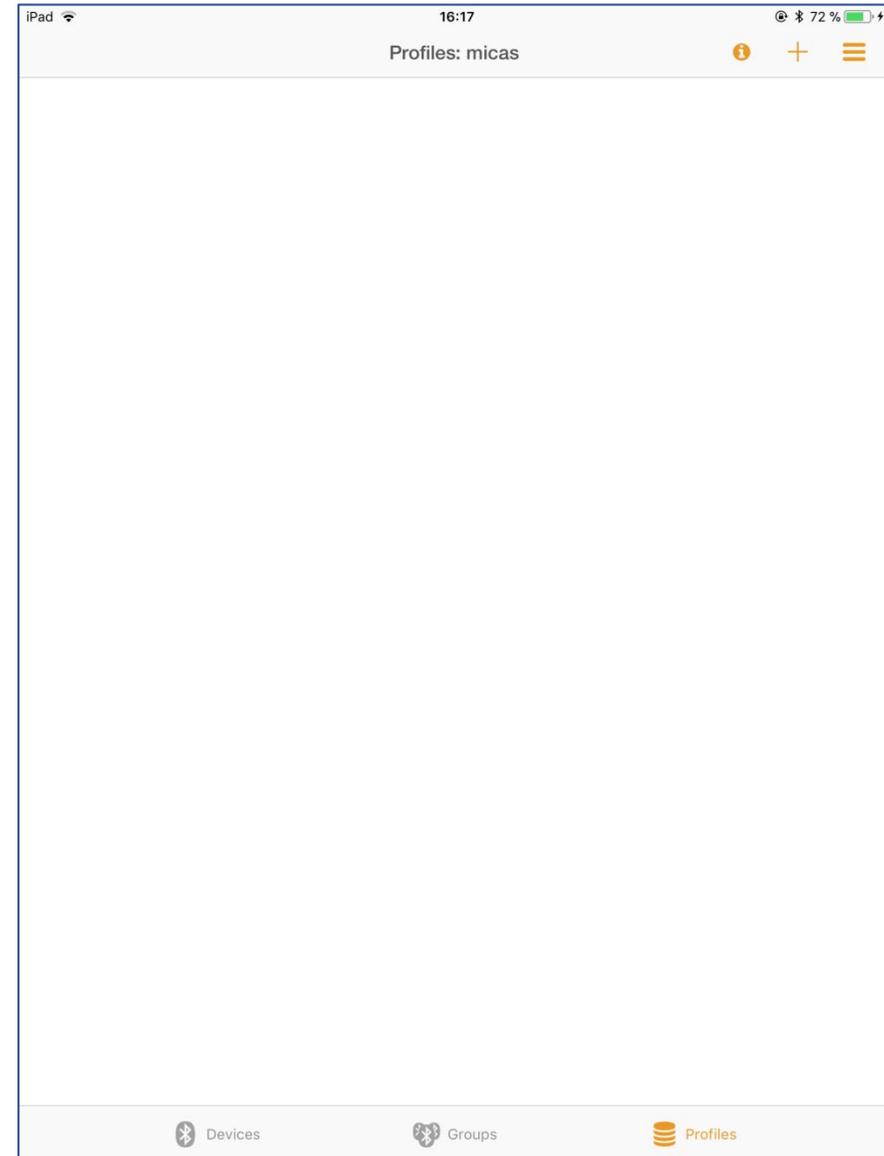
1. To delete a group swipe the desired group from right to left. The button „delete” appears.



Definition of Profiles

Create Profiles

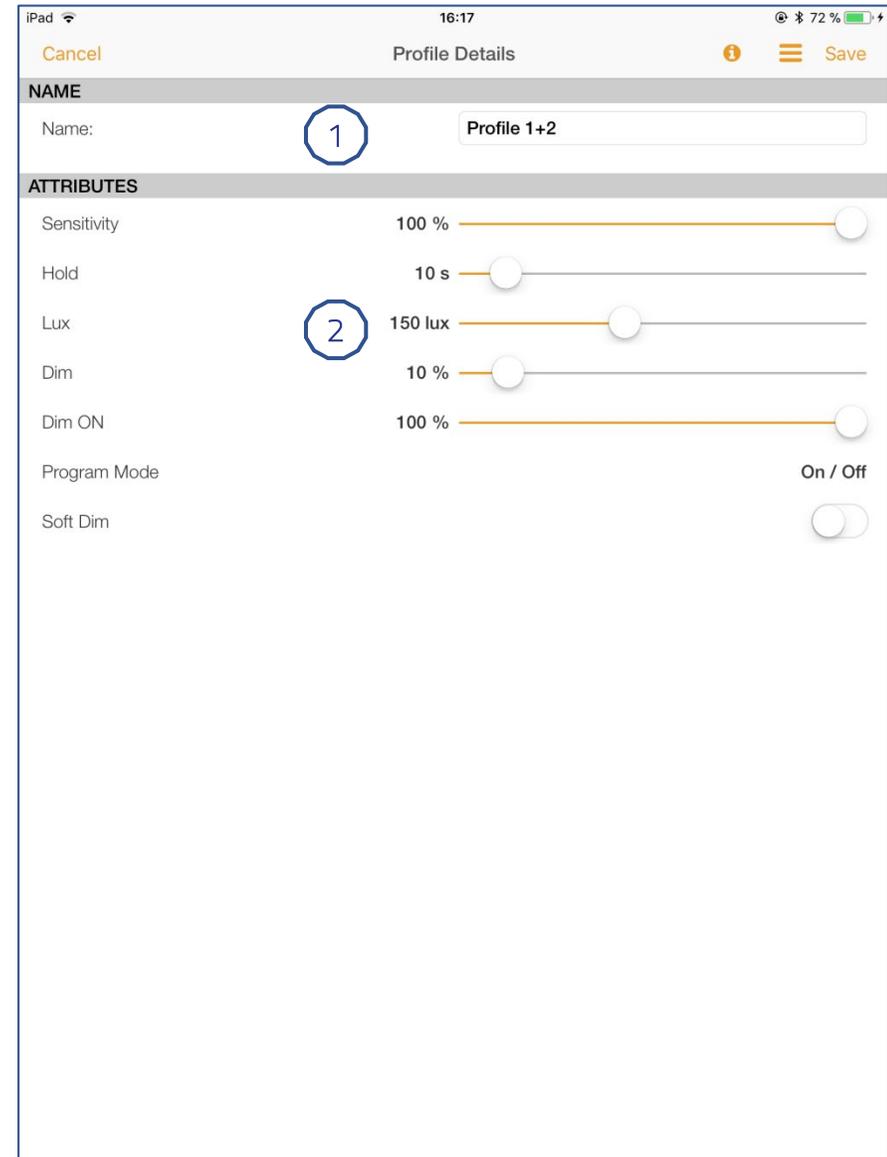
1. Profiles are used to easily set sensors and groups.
NOTE: Profiles should be applied to either the sensor or the group (not both).
2. Press „Profiles“ to go to the Profile overview.
3. Press the button „+“ to create a new profile.



Definition of Profiles

Create Profiles

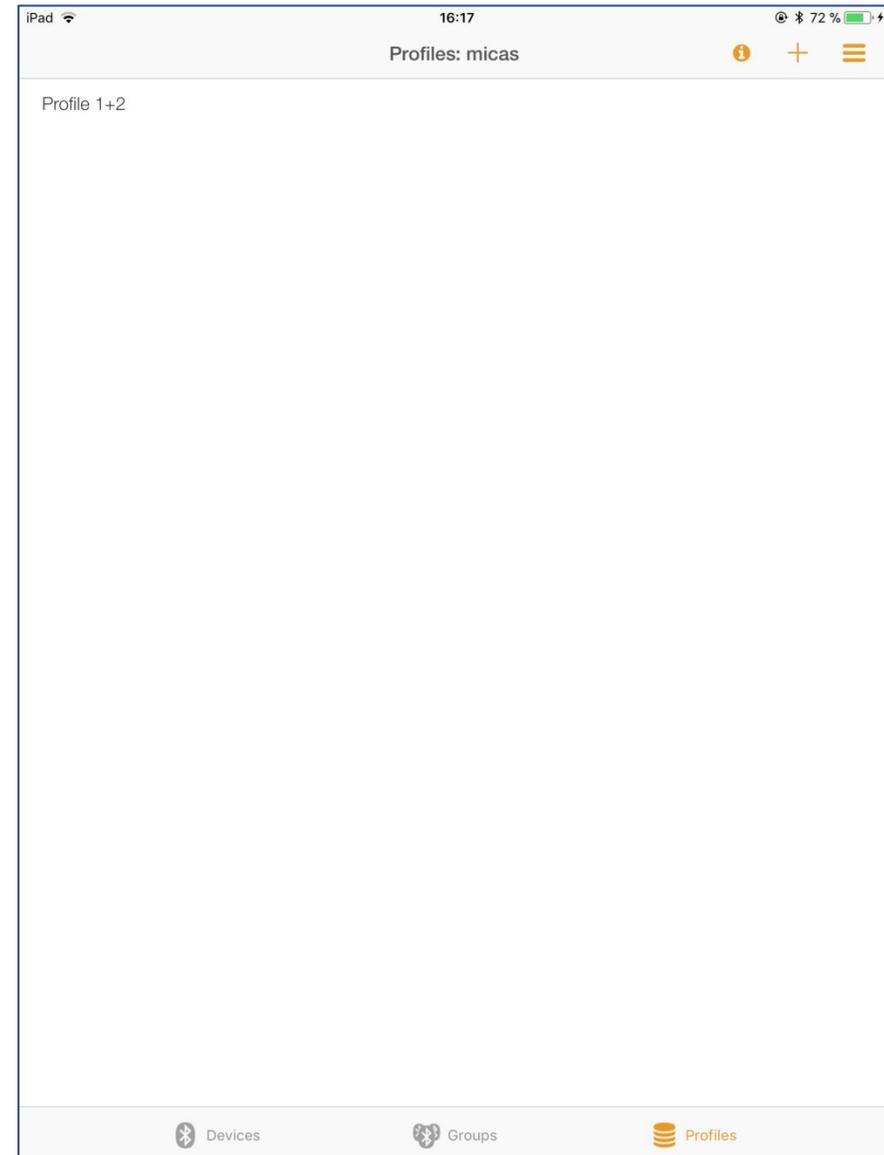
1. Create a Profile name.
2. Make the desired settings.
3. Press „Save“ to store the profile.



Definition of Profiles

Create Profiles

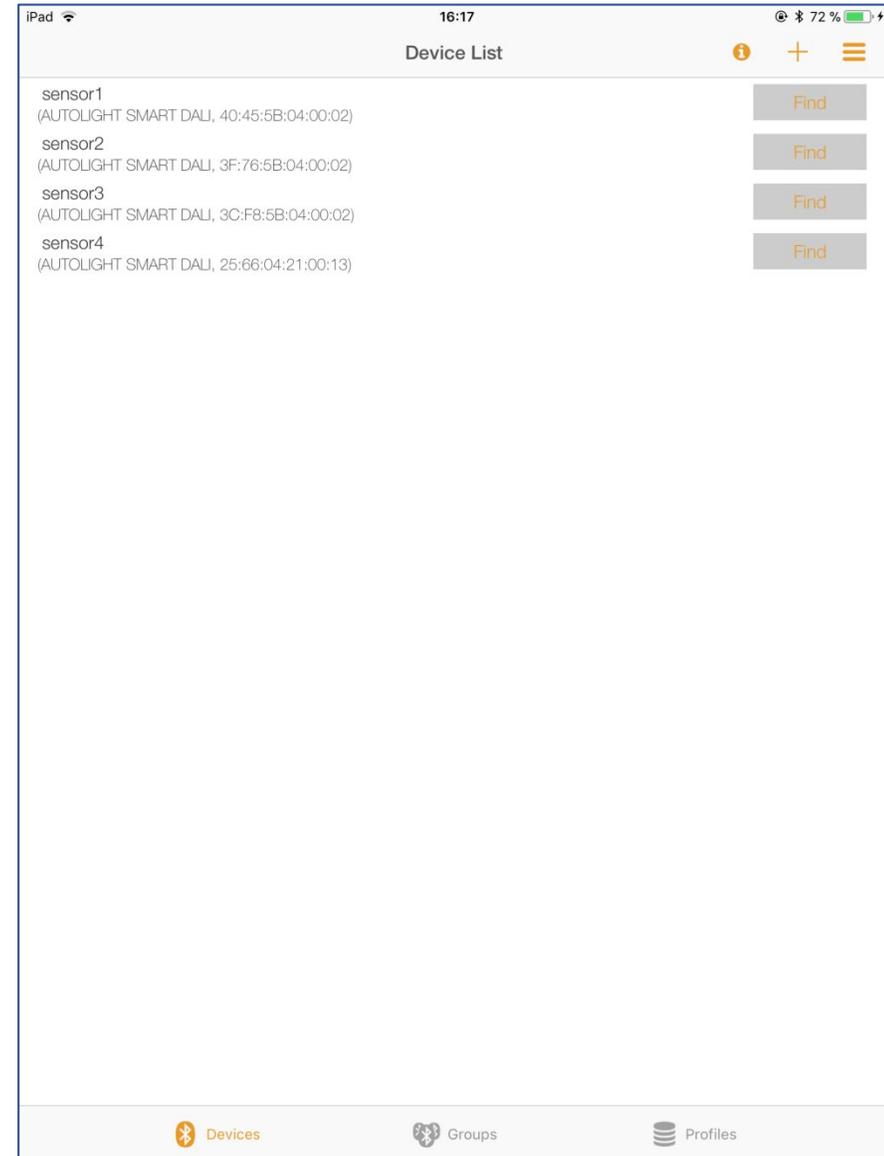
1. The profile created appears in the profile overview and can be applied to individual sensors or groups.



Definition of Profiles

Usage of profiles on individual sensors

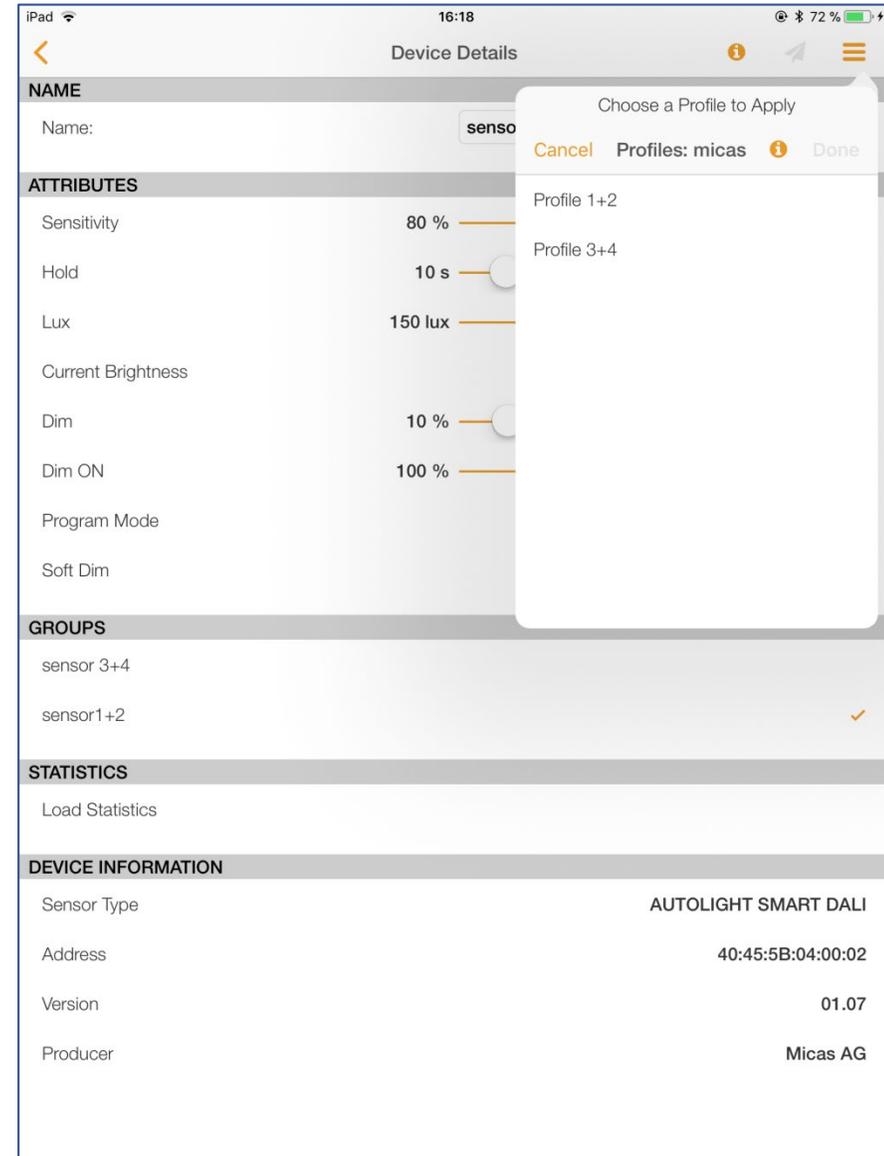
1. Press „Devices“ to go to the device list.
2. Select the sensor to apply the profile to.



Definition of Profiles

Usage of profiles on individual sensors

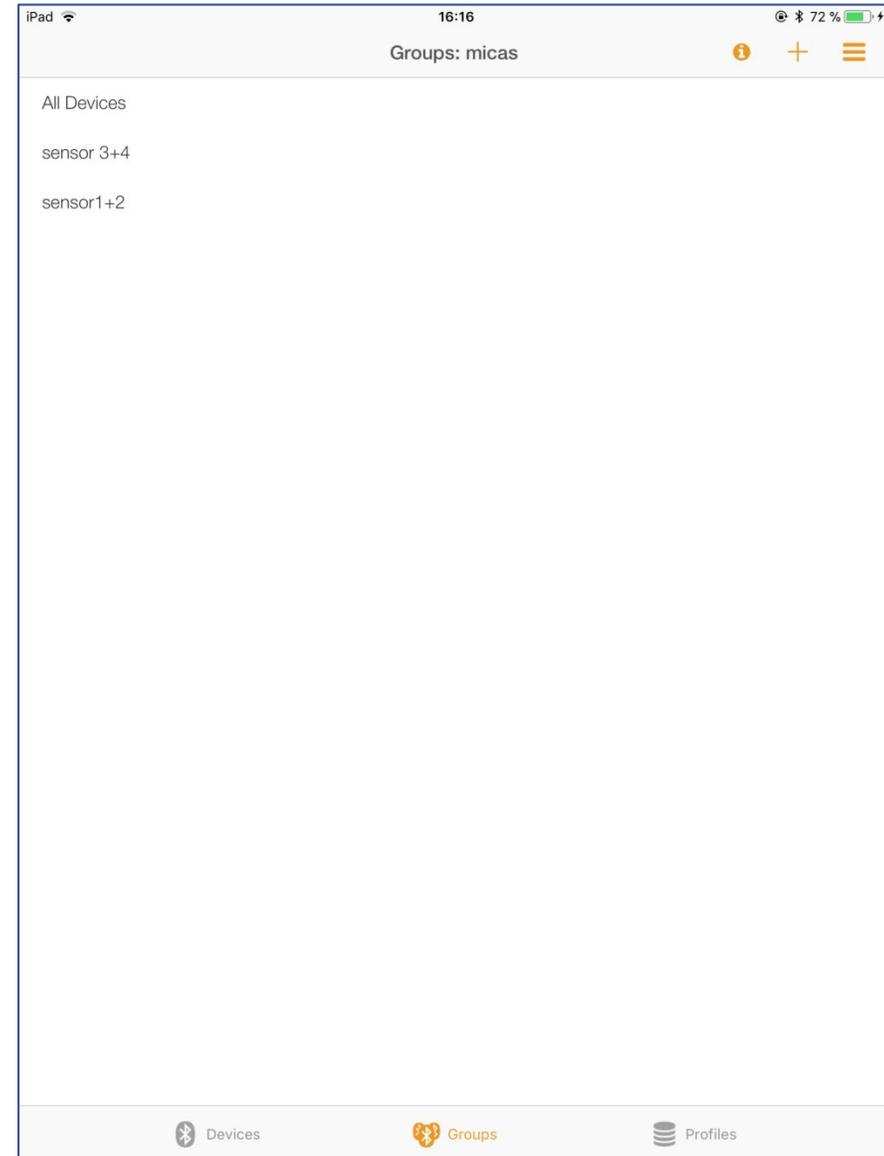
1. Select „Apply Profile“ in the menu.
2. An overview of available profiles appears.
3. Select the profile and press „Done“.
4. The settings defined in the profile are applied to the sensor.
5. Press the paper plane icon to send the new settings to the device. The luminaire flashes three time to confirm.



Definition of Profiles

Application of profiles on groups

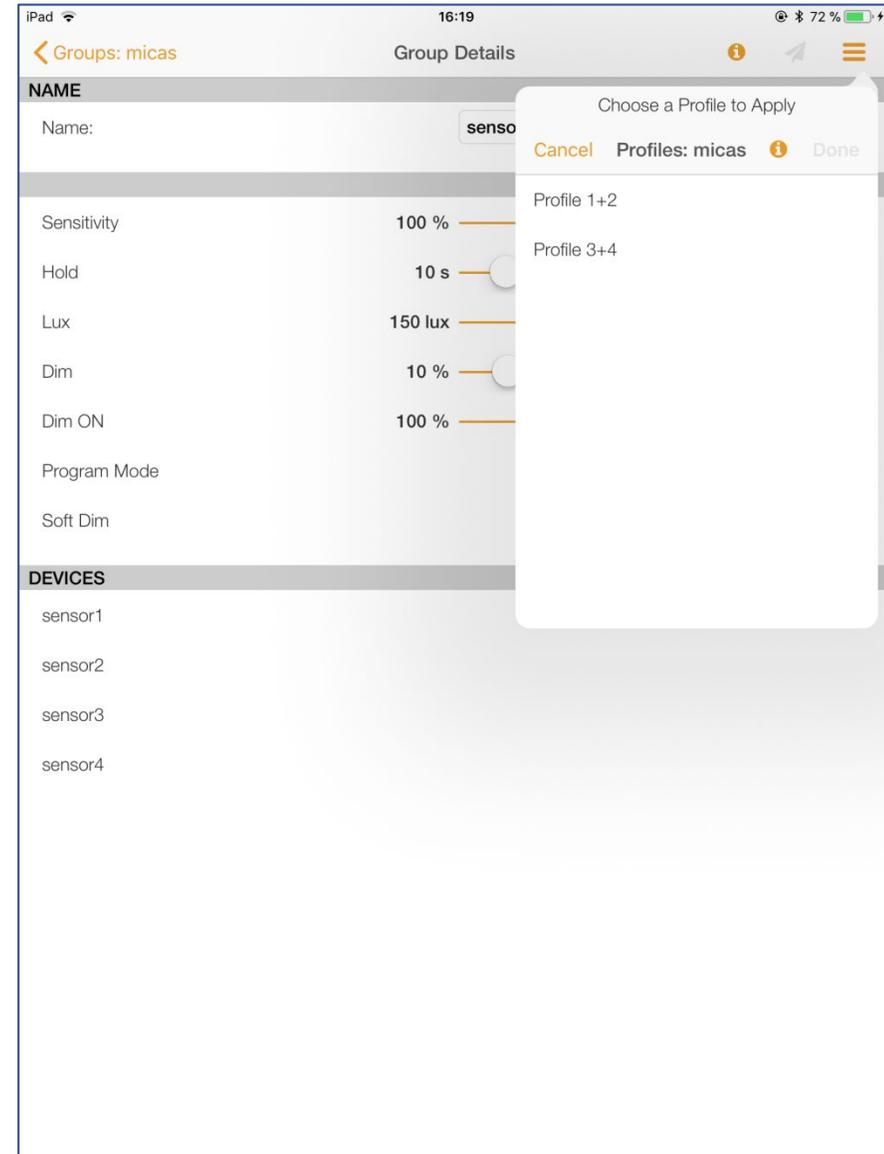
1. Press „Groups“ to go to the group list.
2. Select the group to apply the profile to.



Definition of Profiles

Application of profiles on groups

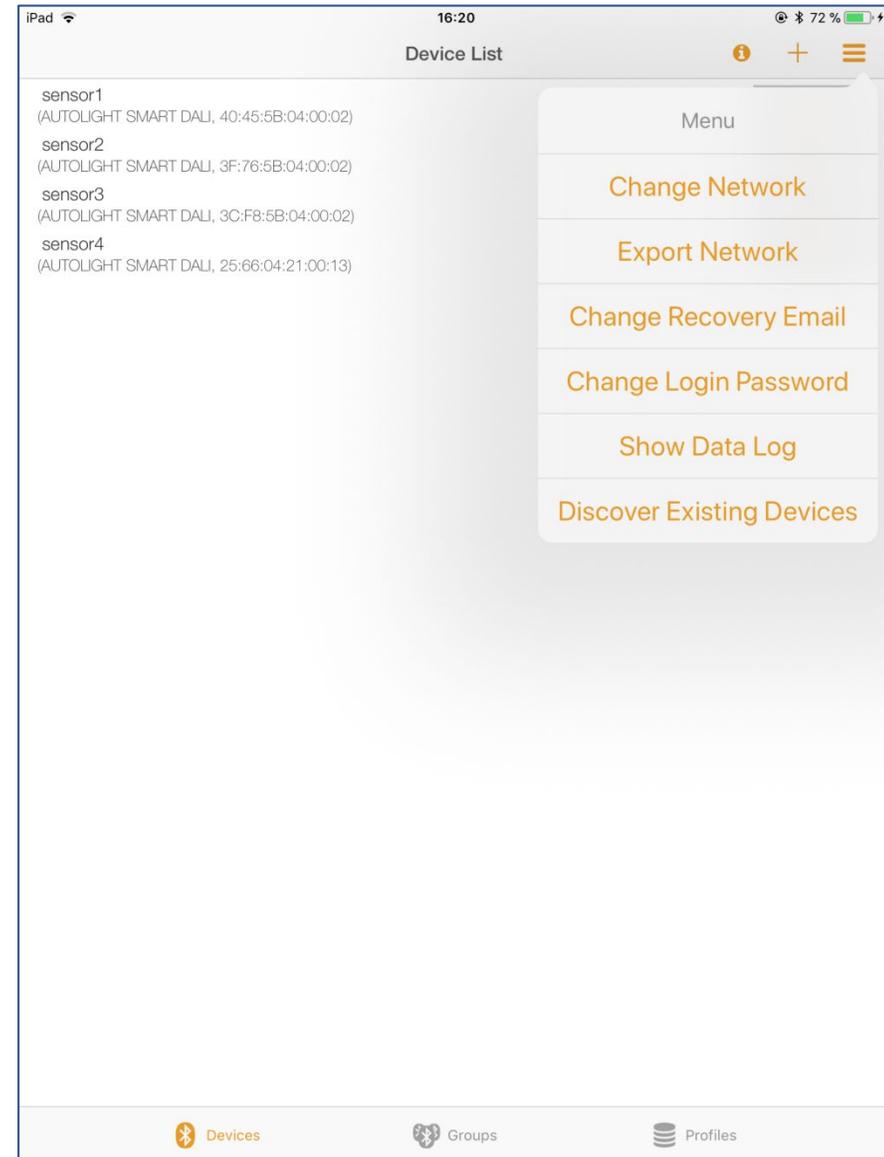
1. Select „Apply Profile“ in the menu.
2. An overview of available profiles appears.
3. Select the profile and press „Done“.
4. The settings defined in the profile are applied to the group.
5. Press the paper plane icon to send the new settings to the group. The luminaire flashes three time to confirm.



Backup

Export Network

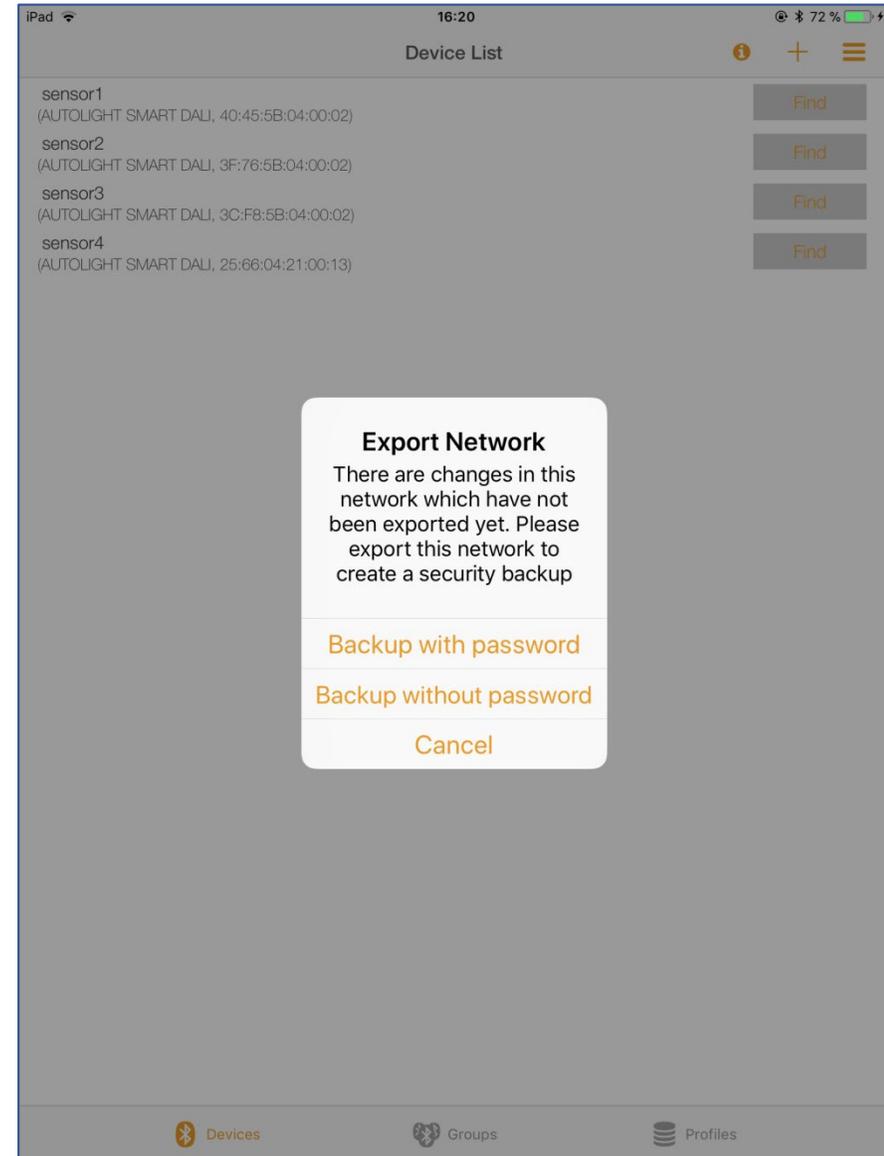
1. Tab to open the drop-down menu.
2. Tab „Export Network“.



Backup

Export Network

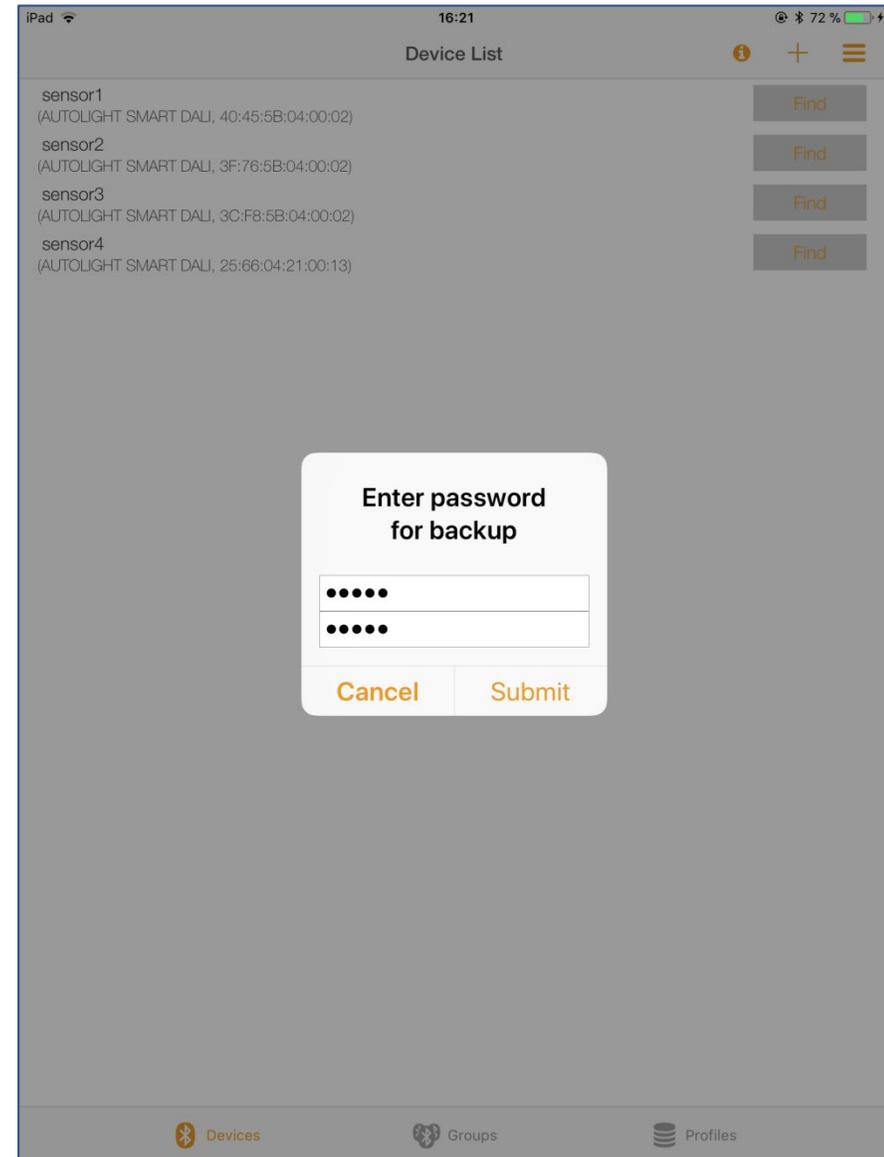
1. Select if you wish to create the backup
 - With password
 - Without password
 - Don't create a backup



Backup

Export Network

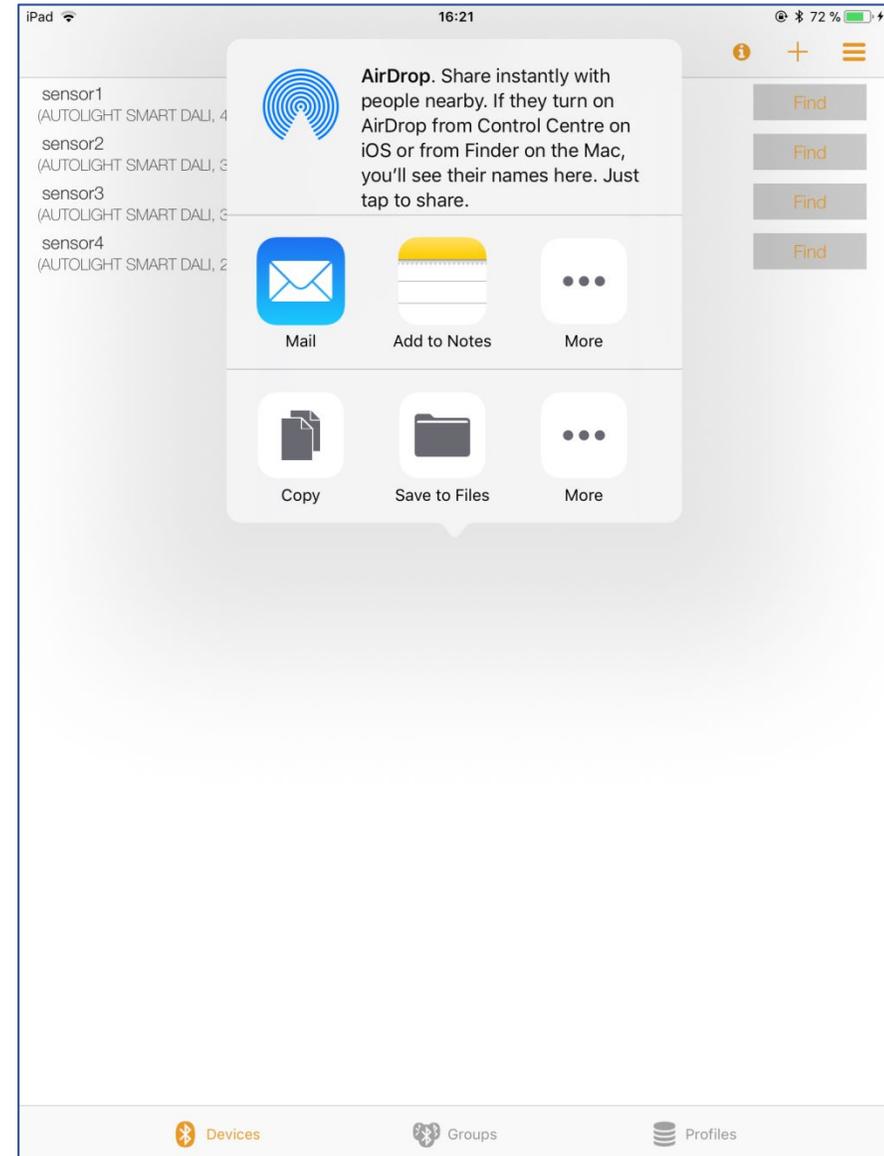
1. If a backup is to be created with a password, the prompt appears to assign a password.
2. Enter a self-selected password in the mask and press „Submit“.



Backup

Export Network

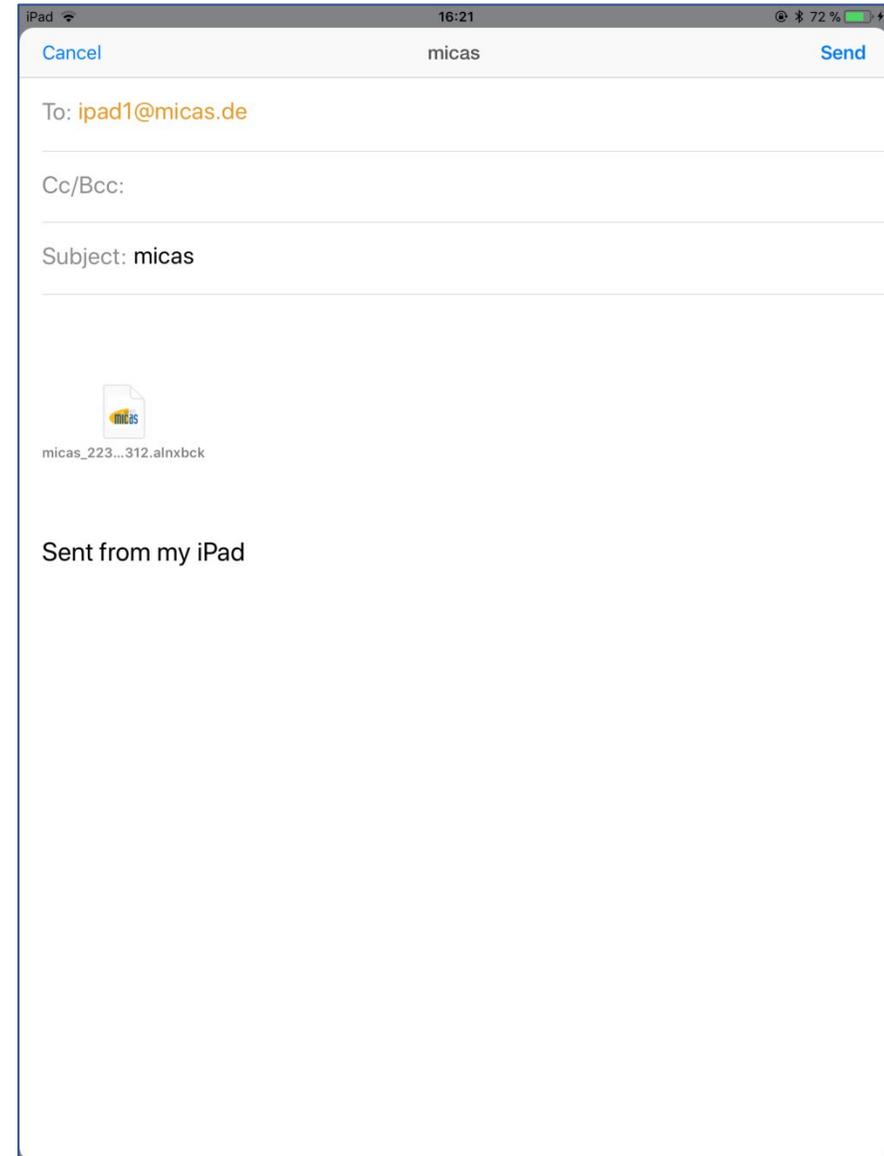
1. Choose how you wish to export the network.



Backup

Export Network

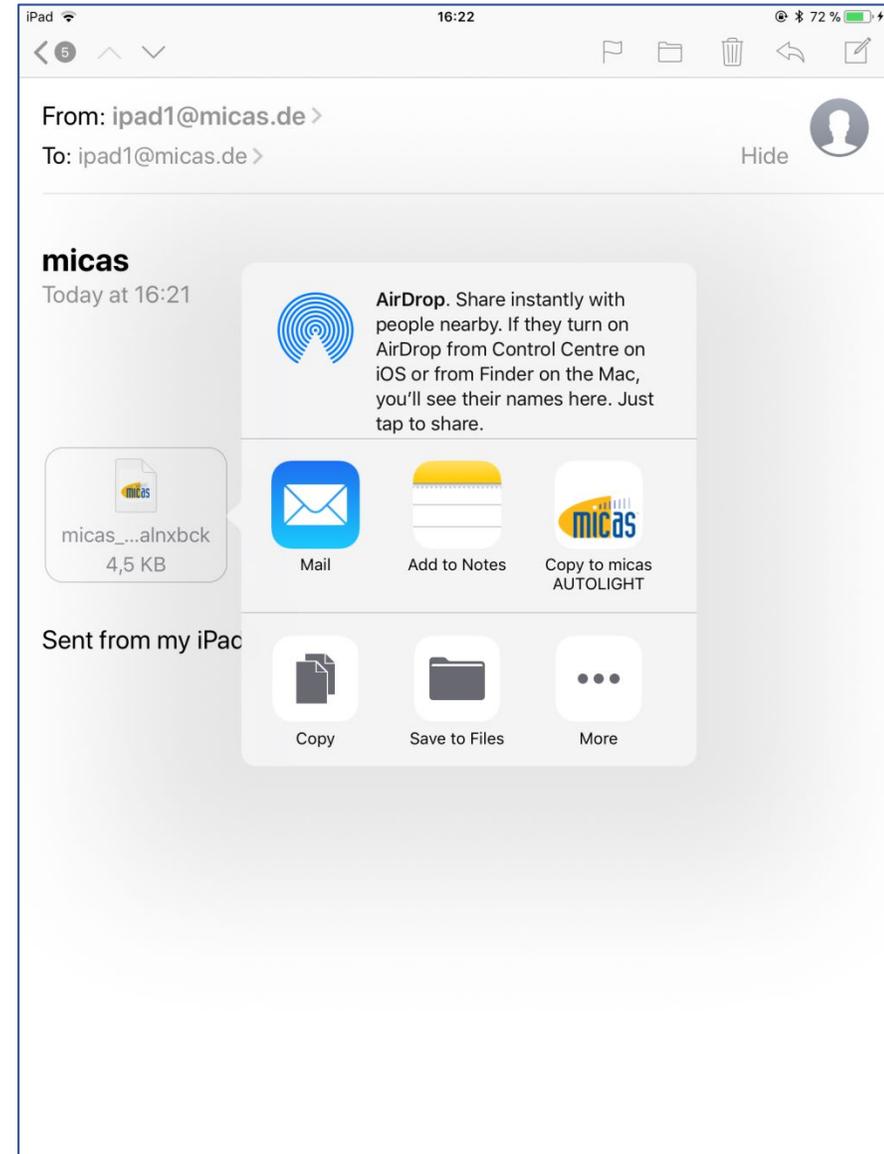
1. By choosing a mail app, backup file will be attached to an email.
2. Additional email addresses can be added as well as further information for the recipient.
3. The backup file will be sent to the selected e-mail address.



Recovery

Import Network

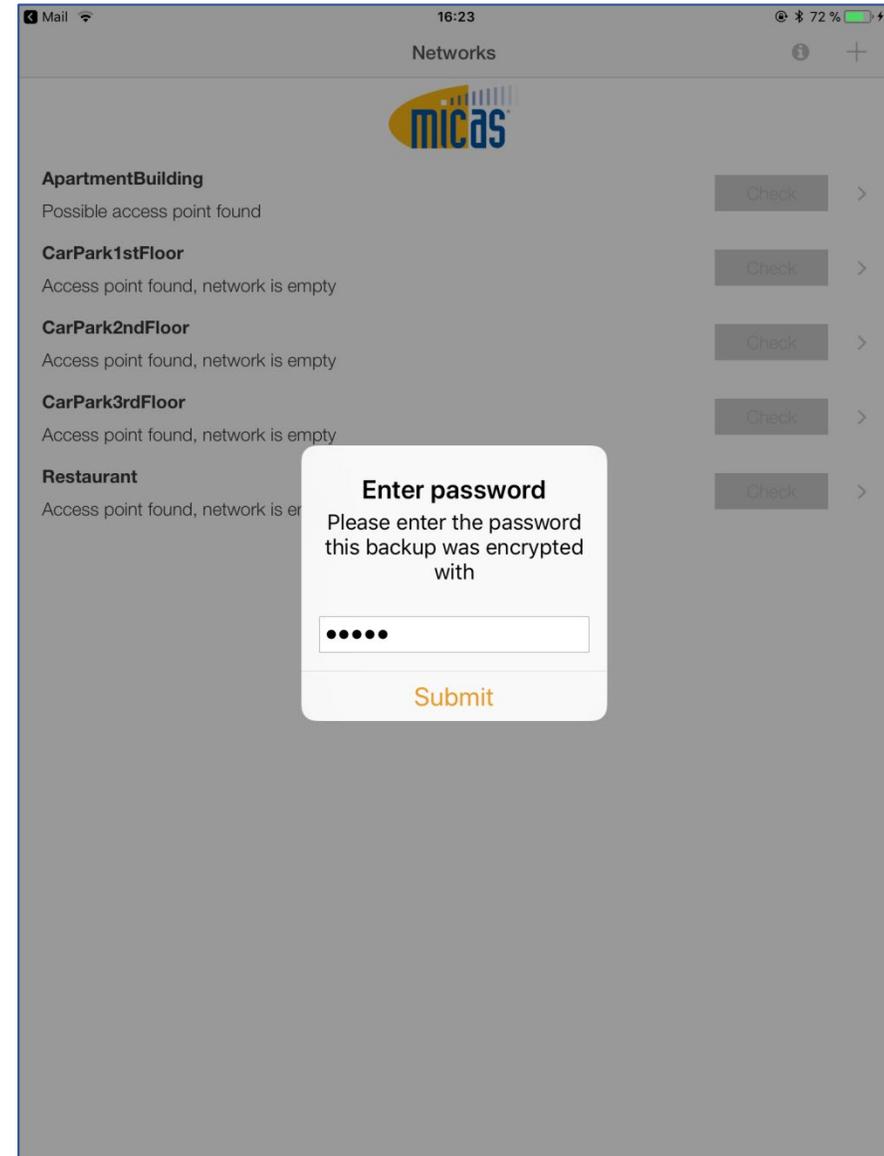
1. You have received a backup file via email.
2. Click on the backup file attached to the e-Mail and open it with the MICAS app.



Recovery

Import Network

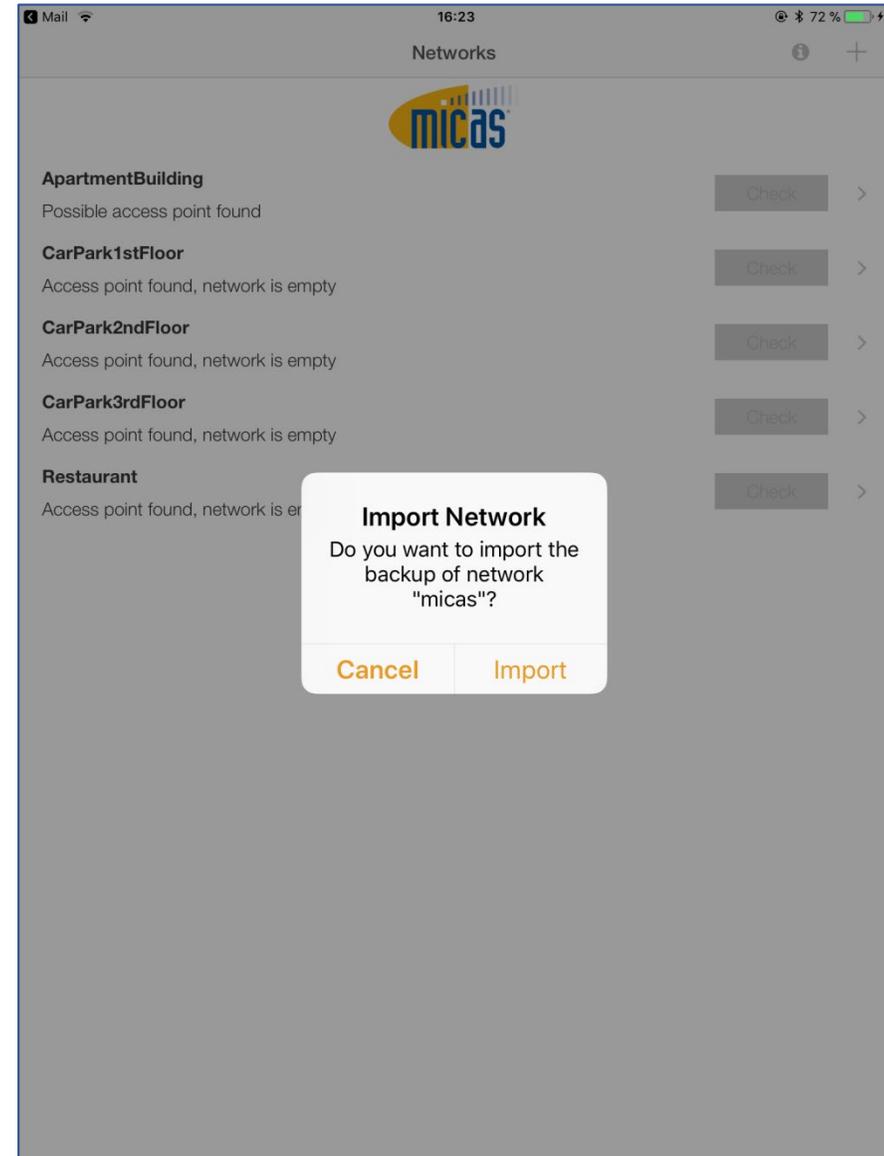
1. MICAS App opens.
2. User is prompted to enter the password if required by the backup file.



Recovery

Import Network

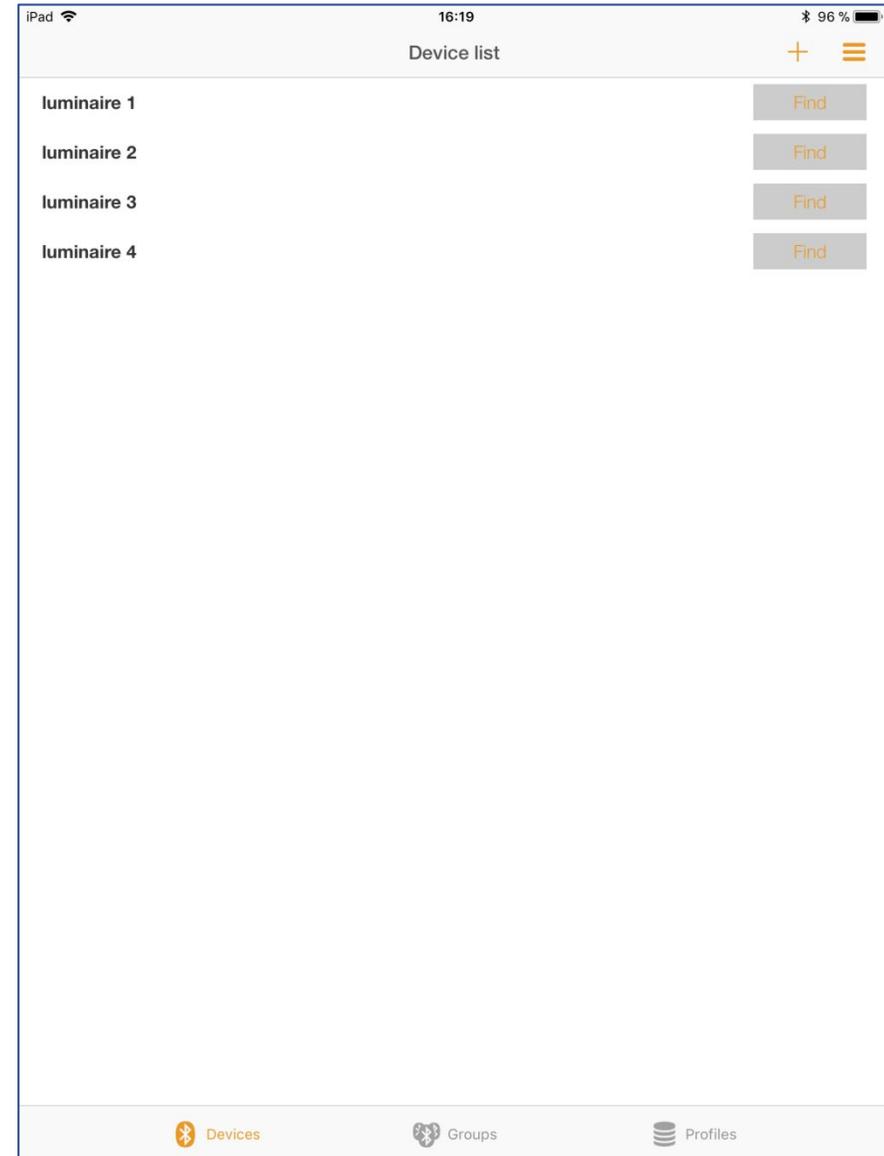
1. Click import to import the backup file.
2. Network will be imported.
3. Smart device connects with network.
4. Network has been imported and connected successfully.
5. Settings can be done.



Uninstall

Disassociation of sensors

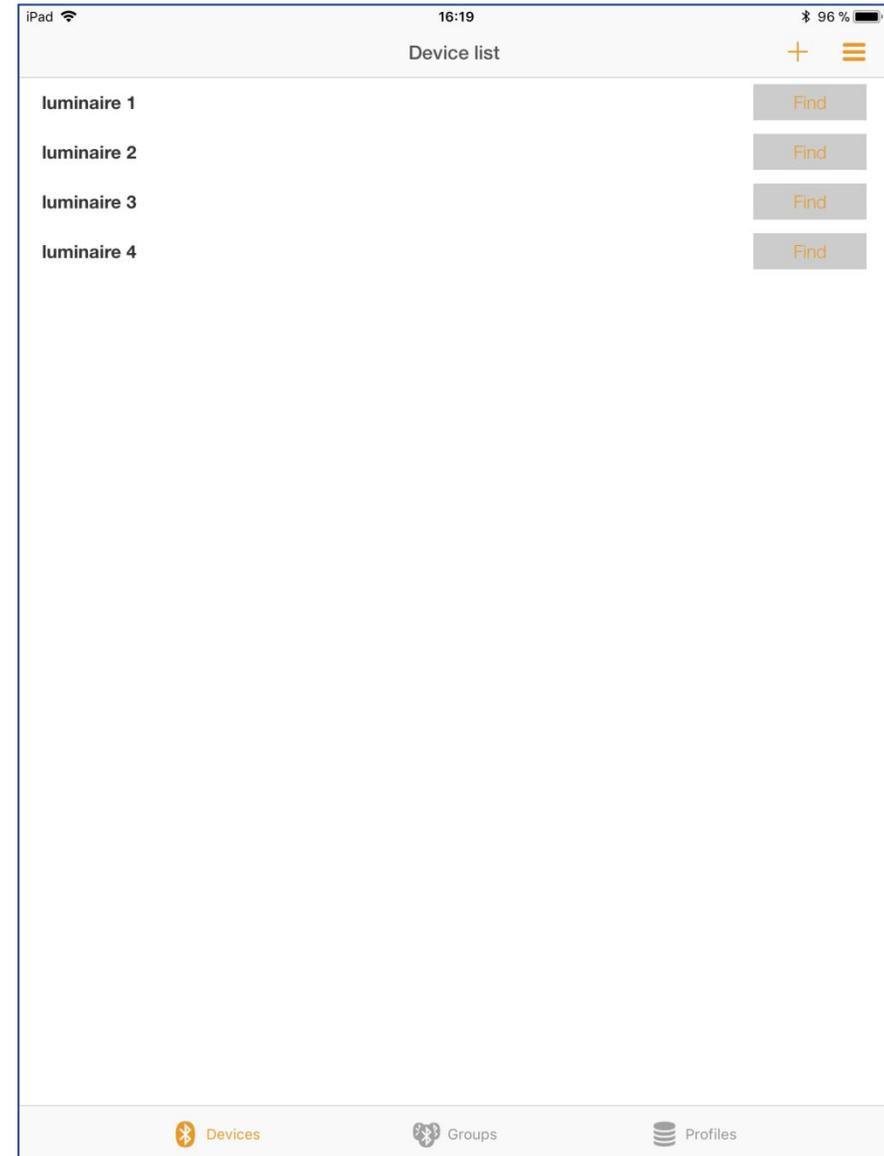
1. IMPORTANT: Before deleting a network, the devices integrated in the network must be disassociated from the network!
2. Avoiding this process means that the devices can no longer be controlled after deleting the corresponding network.



Uninstall

Disassociation of sensors

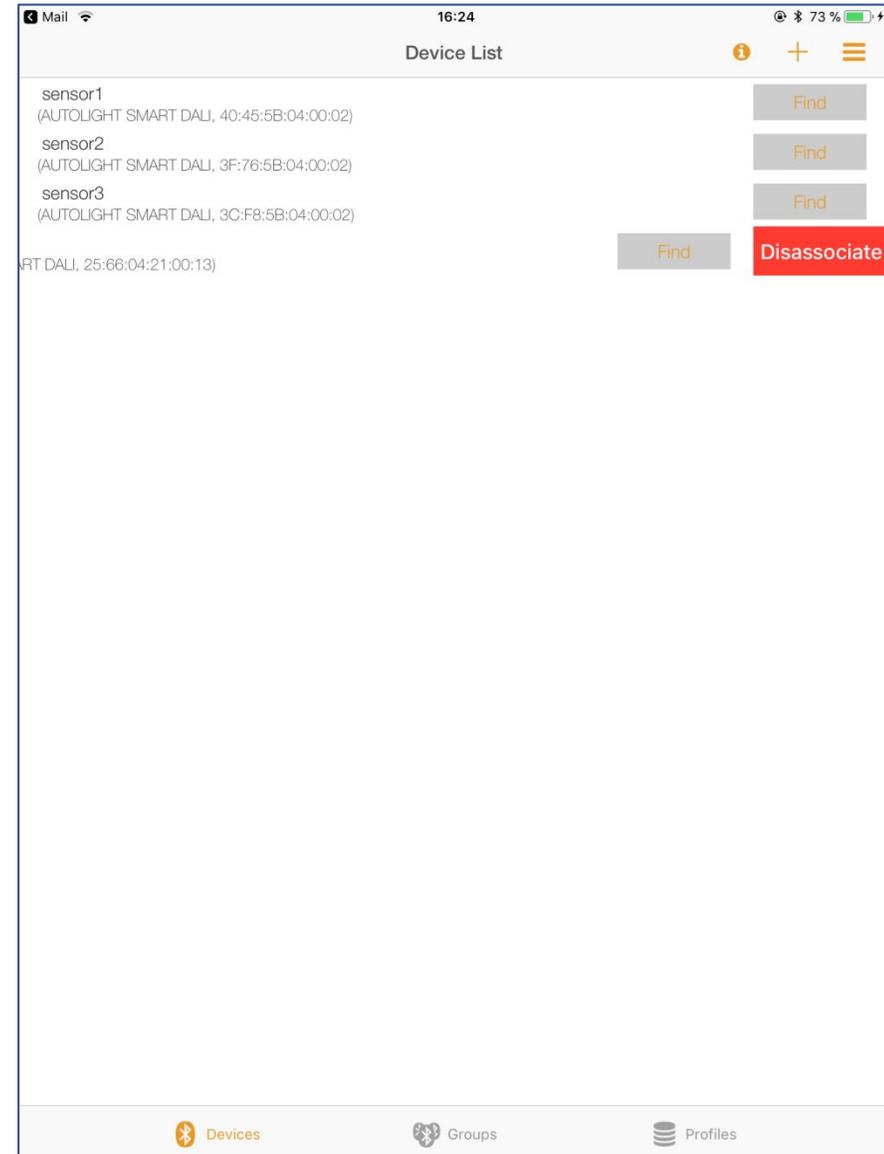
1. The device list shows all sensors registered in the network.
2. Press „Find“ to locate the luminaire to be removed from the network.



Uninstall

Disassociation of sensors

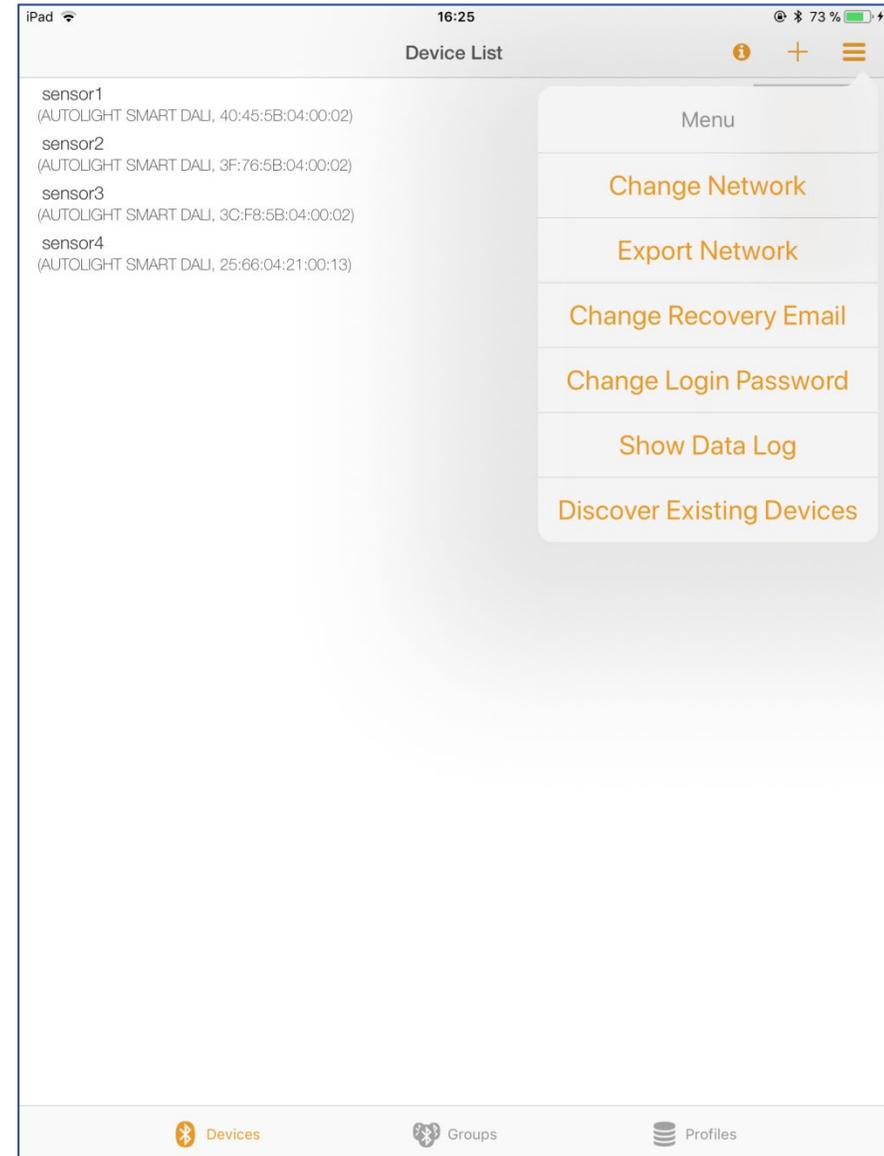
1. To remove a device from the network, select the device you wish to remove and swipe from left to right. The button „Disassociate“ appears.
2. Press the button „Disassociate“ to remove the device from the network and the smart device.



Uninstall

Delete networks

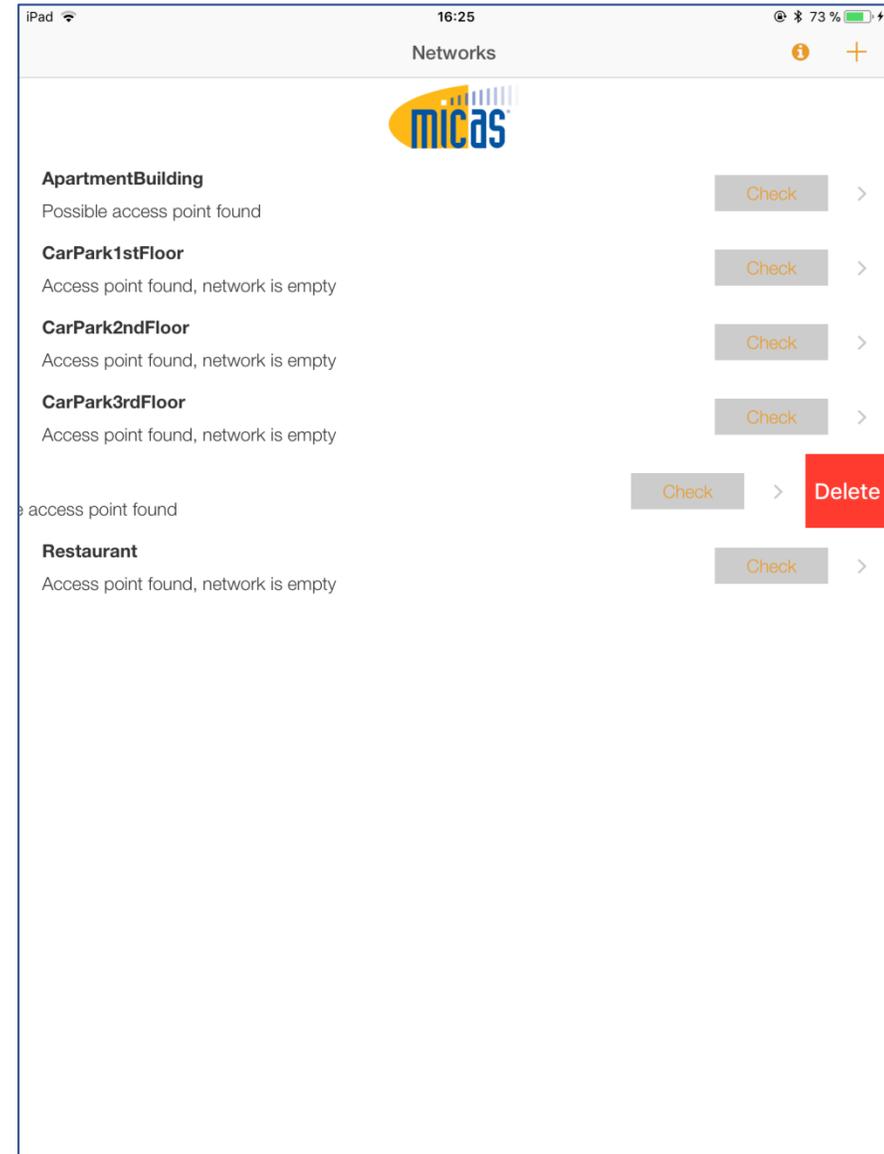
1. To delete a network go to the device list.
2. Select „Change Network“ in the menu.
3. You will be forwarded to the network overview.



Uninstall

Delete networks

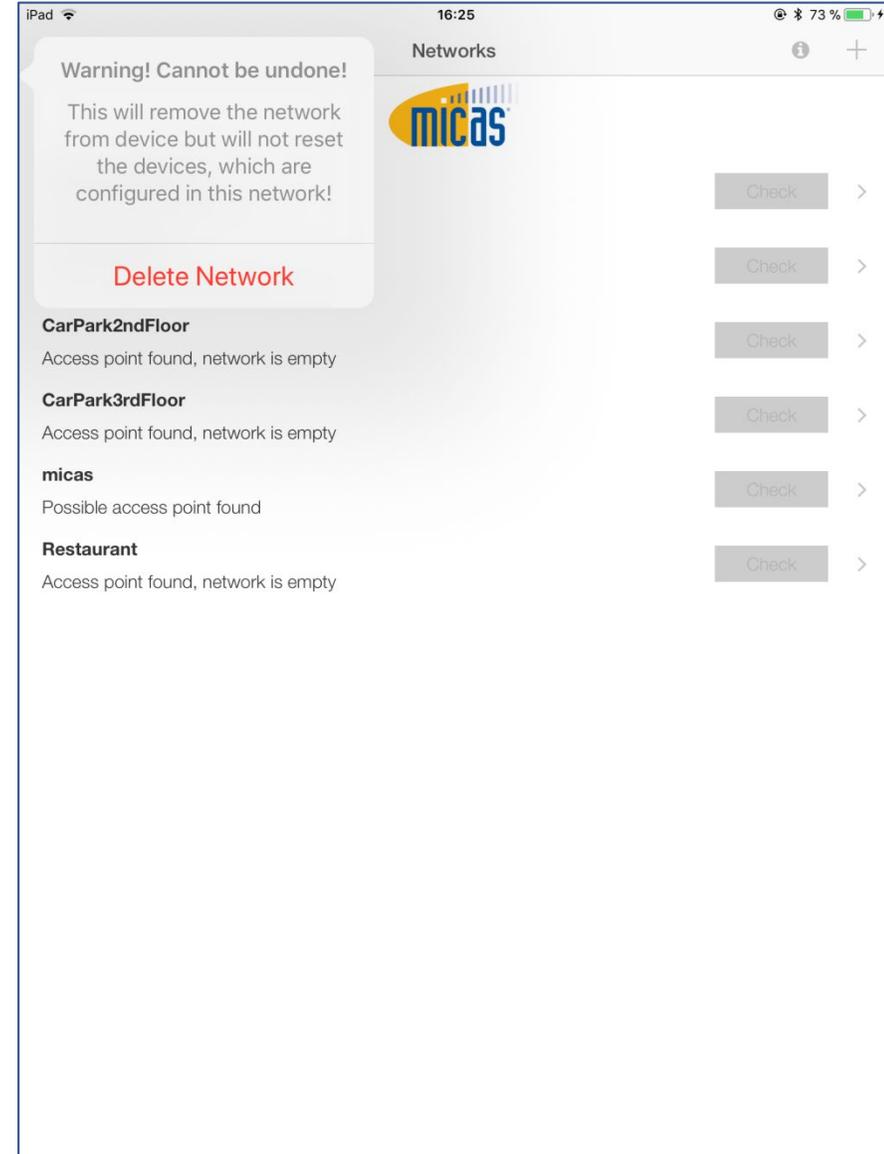
1. IMPORTANT: Make sure that all devices in the network to be deleted have been correctly disassociated.
2. To delete a network swipe to desired network from right to left. The button „delete“ appears.
3. Press „delete“. The network will be deleted.



Uninstall

Delete networks

1. A warning message appears.
2. Make sure that all devices in the network to be deleted have been correctly disassociated.
3. Devices that haven't been disassociated from the network will not be reset! Access to these devices is not possible after deleting the network!



Troubleshooting

Problem solving via App

Problem: App or sensor do not show any reaction

Solution: Close and restart the App. Switch off/on Bluetooth on your device. If these measures are not effective, switch off the fuse of the luminaire via the fuse box and then switch it on again.

Troubleshooting

Problem solving via App

Problem: Sensor can not be found

Solution: After turning on the power, the sensor is available for 3 hours to learn- in into a mesh network. If the sensor is not learned into a mesh network during this period, the Bluetooth connection will automatically switched off. To re-enable the Bluetooth connection, power cycle the luminaire.

Troubleshooting

Problem solving via App

Problem: When disassociate the sensor, it may happen that the sensor will not be disassociated, but recognized by the app as disassociated.

Solution: Open the device list in the app. Click on „Discover existing devices“ in the menu.

If the sensor is found, it is displayed in the list with the name “AL” and automatically added back to the network. The sensor will then be named „abcdefg“. The disassociate process can now be restarted.