

**PHILIPS**

Sensors

LRI8135/00



User Guide

# Philips Outdoor Multisensor app



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# 1 Introduction

The Philips Outdoor Multisensor mobile application (App) is required for commissioning and configuring the LRI8135/00 Philips Outdoor Multisensor (OMS). A mobile phone with the App provides access to Multisensors in a network and embedded firmware for over-the-air firmware updates.

A direct radio communication connection is used to connect the mobile phone (Mobile App) with the OMS. The radio has a range of 70 m.

The creation of the network is done locally using a direct radio communication connection and the Philips Outdoor Multisensor Mobile app in all option deployments, standalone and connected.

The Outdoor Multisensor App is compatible with Android version 10 and above. To check your Android phone version:

- 1 Open your phone's Settings app.
- 2 Near the bottom, tap **About phone** and then select **Software information**.
- 3 Find your "Android version," "Android security update," and "Build number."

The Outdoor Multisensor Mobile App is compatible with Bluetooth version (phone) 5.0 and above. To check your Bluetooth phone version:

- 1 [Install the AIDA64 App](#) from the Google Play Store.
- 2 Go to the system and scroll down to find the Bluetooth version.

## Note

A phone's Bluetooth version cannot be upgraded to a newer version because the phone's wireless radio is part of the SoC (System-on-a-Chip) and is part of your device's hardware.

## Note

See [Known issues with specific phones](#) for additional compatibility information.

## 2 App download

The Philips Outdoor Multisensor App from Signify Netherlands B. V. is freely available for Android devices running Android version 10.0 or higher from the Google Play Store.

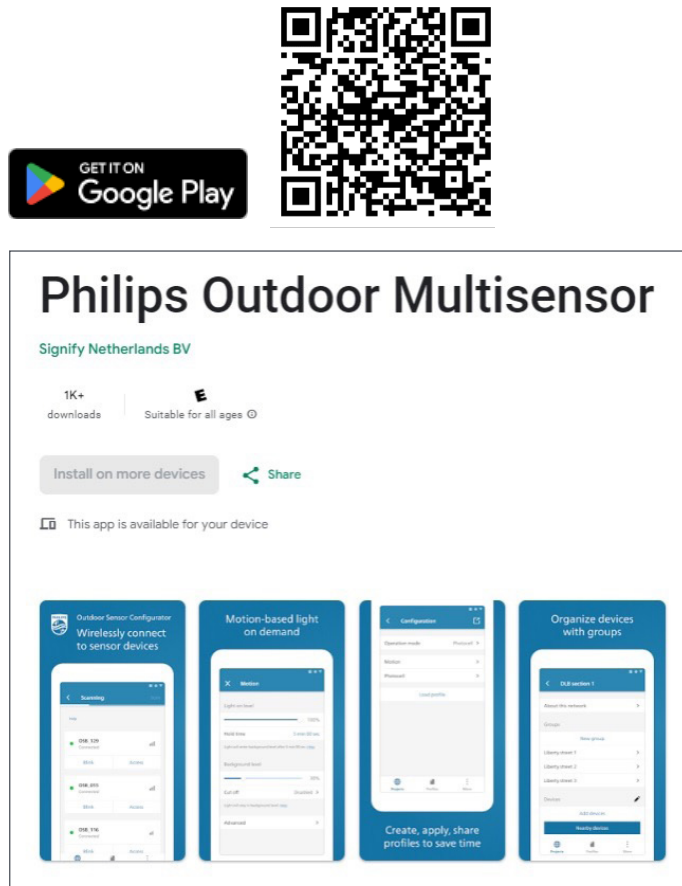


Figure 1: Philips Outdoor Multisensor App on Google Play Store

### 3 Standalone and connected systems

Philips Outdoor Multisensors can operate standalone in a local operating lighting system, using radio mesh technology, for light-on-demand applications, see figure 2.

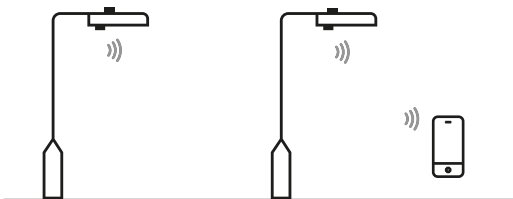


Figure 2: Standalone operation, local operating lighting system

The lighting system can also operate connected to Interact City through DALI using certified D4i Type A Outdoor Luminaire Controllers or OLCs (LLC785x, LLC781x, LLC745x), see figure 3.

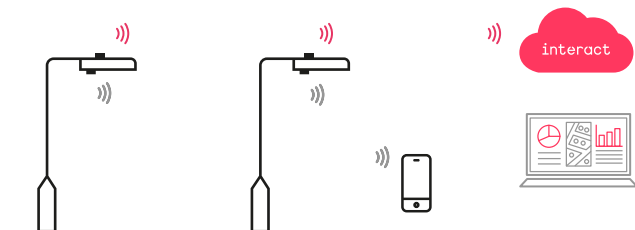


Figure 3: Connected operation, connected to Interact City

The Multisensor operates as a motion sensor, according to IEC 62386 Part 303. It sends commands to the OLC (Outdoor Luminaire Controller).

Interact City is designed to bring together connected lighting systems and the data that those systems collect.

### 3.1 Application menu for standalone or connected operation

The Outdoor Multisensor mobile application discovers if the Multisensor is installed standalone or connected, providing a different configuration menu.

Multisensor	App connected menu	App standalone menu
Operating Mode	No (motion only)	Yes (Motion, Photocell, or both)
Light on level (%)	Yes (default 100%)*	Yes (default 100%)
Hold time (seconds)	Yes (default 5 minutes)	Yes (default 5 minutes)
Background (%)	No (Interact City calendar)	Yes (default 50%)
Cut-off time (seconds)	No (Interact City calendar)	Yes (default Disabled)
Direction	Yes (default Approaching)	Yes (default Approaching)
Sensitivity (dB)	Yes (default HIGH)	Yes (default HIGH)
Fade Time (seconds)	Yes (default No fade) **	Yes (default No fade)
Immunity	Yes (default Low)	Yes (default Low)
Photocell	No	Yes
Blink (Status LED/luminaire)	Yes	Yes

Table 1: Application menu for standalone or connected operation

#### Notes

- In standalone deployments, the fade time, hold time and Light ON level can be modified to any value.
- (\*) The Light ON level in connected basic is fixed to 100%. While in connected advance it can be modified from Interact City.
- (\*\*) The fade time in connected basic is fixed to 0 seconds. While in connected advanced it can be modified from Interact City.
- The recommended minimum hold time to display the switching points on Interact City is 5 minutes.
- Light on demand parameters in connected advance, must be configured from Interact City.
- Before adding devices to a project or group, Blink can be used to locate a Multisensor or to validate a group (group blink). Blink will turn on/off the luminaire and/or the Multisensor status LED four times in the 20 s.

For further information about commissioning, sensor parameters details and uses cases, refer to the *Commissioning Guide* and the *System Guide*.



### 3.1.1 Outdoor Multisensor Standalone

In standalone deployment, only two use cases are possible: light on demand and dusk to dawn (photocell), and selection and configuration via the operating mode.

*Within standalone deployments the App is used for commissioning, network configuration, and firmware updates of the Outdoor Multisensor.*

### 3.1.2 Outdoor Multisensor Connected Basic

The Operating mode of the Outdoor Multisensor cannot be changed in the App. In a Connected Basic deployment, only light on demand use case is possible, since the OMS photocell is disabled and applies the switching regime configured on Interact City.

While on Interact City, it is possible to visualize the switch log points related to Motion Triggers.

*Within connected basic deployments the App is used for commissioning, network configuration, and firmware updates of the Outdoor Multisensor.*

The Light-on level due to motion is fixed to 100% by the OLC, cut-off, Background level, and Fade time is not used, instead, the light is following the configuration and calendar defined in Interact City.

The Hold time, Sensitivity, and Direction, can be changed in the App .

### 3.1.3 Outdoor Multisensor Connected Advance

The connected advance proposition enables all sensor data of the Outdoor Multisensor into Interact City. The different sensing modalities can be enabled per project (Interact City site).

- 1 Light on Demand
- 2 Safety Notification (tilt and impact)
- 3 Ambient Noise
- 4 Ambient Temperature

*The App is used for network configuration only.*

For further details about the Outdoor Multisensor Connected Advance proposition, refer to the *Interact City online help* and the *System Guide*.



## 4 Account and Login

The Philips Outdoor Multisensor mobile App is registered as an Interact application. Thus, when downloading or starting the App, you must first click “Start with Interact” to log in.

An Interact account shall be created if the user does not have an Interact account Service Tag for Instance.

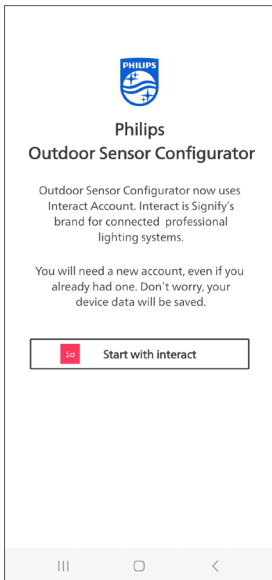


Figure 4: Interact Login start screen

#### 4.1 Login process when the user does not have an Interact account

- 1 Enter your email and press **Create your account**.
- 2 You will be redirected to the **Create your account** page, where you can introduce your credentials and press **Create Account**, and you will receive an email to activate the account.
- 3 Accept the Interact Terms of Software Service (ToSS) once the account is activated.

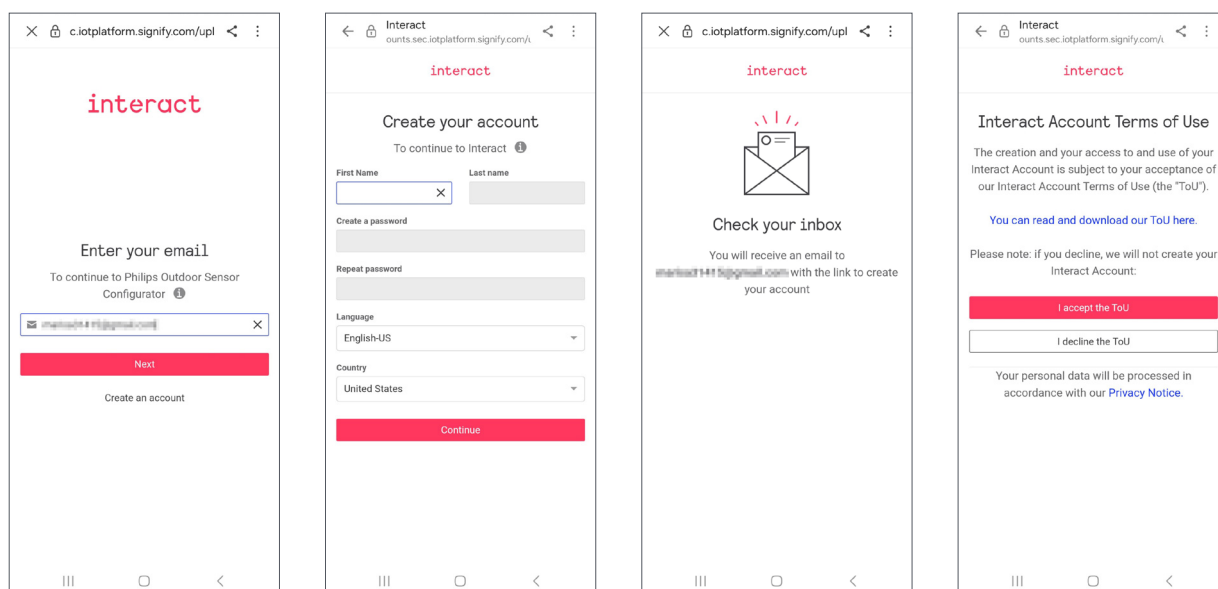


Figure 5: Login process when the user does not have an Interact account

**Note**  
Notice that the Interact ToSS is different from the Outdoor Multisensor mobile App. The user must sign the App ToSS when using the App for the first time.

## 4.2 Login process when the user has an Interact account

If the user already has an Interact account, the user can use those credentials to access the App.

- 1 Enter your email and press **Next**.
- 2 Introduce your password and press **Login**.

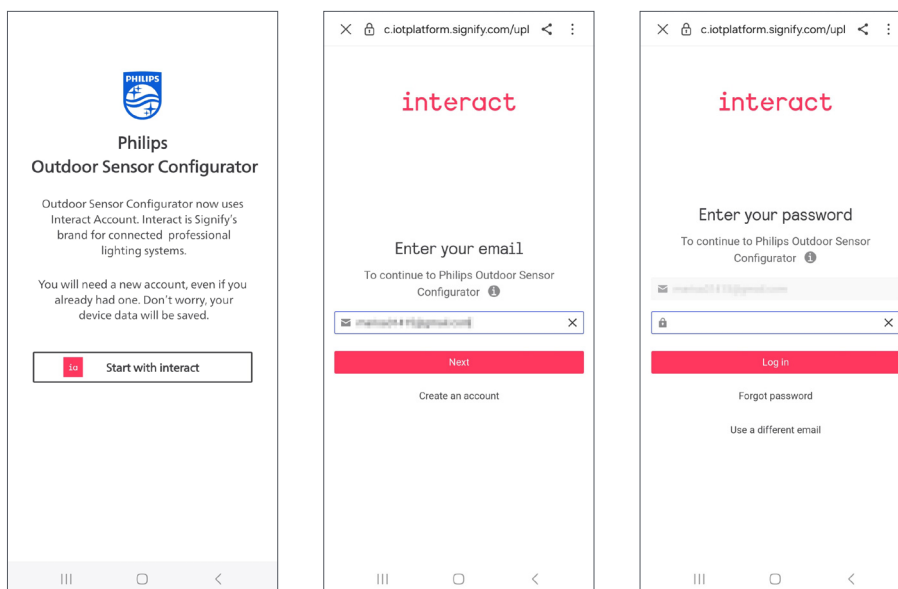


Figure 6: Login process when the user has an Interact account

**Note**  
The user must accept the App ToSS to start using it for the first time.

## 5 Opening screen: Projects, Profiles, and More

After logging in, the app will automatically go to the opening screen.

The opening screen has three tabs: *Projects*, *Profiles*, and *More*.

By default, the **Projects** tab is selected on the opening screen.

### Projects

Use the **Projects** tab to

- Create a *New Project*,
- Select, *Import*, or *Edit* (delete) a project, or
- *Scan* devices in range (un-commissioned or devices belonging to the active project)

The active project appears in **bold**.

### Profiles

*Profiles* are used to manage the motion and photocell configurations of a Multisensor quickly.

Use the **Profiles** tab to *Create*, *import*, *export*, or *edit* a profile.

### More tab

Use the **More** tab to Log out, view the app version, and read the terms and conditions.

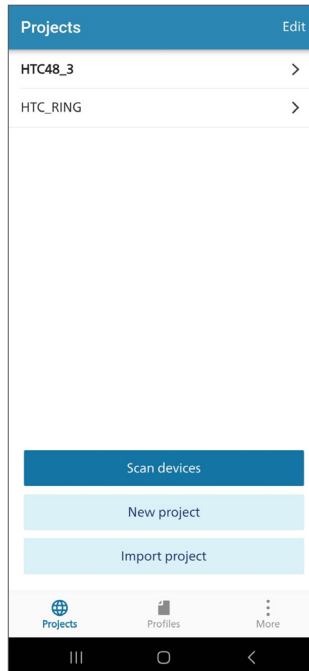


Figure 7: Projects screen

## 6 Commissioning

An out-of-the-box Outdoor Multisensor is not commissioned, meaning it is not assigned to any project. If a Multisensor is not assigned to any project, it can be accessed by any user using the App.

Commissioning is the first important step after physical installation and is used to claim and group Outdoor Multisensors.

Once a Multisensor is commissioned, it can be accessed only by the phone used for commissioning. Other users will not have access to this Multisensor and will find this device as 'Already claimed'.

Refer to the *Commissioning Guide* for further reference.

- ⓘ **Note**  
When commissioning is done, export the project for backup, meaning an encrypted and password-protected file is created and stored in an email.

If the phone used for commissioning gets lost or broken, but a project has been exported, the project can be restored on a new phone by importing this project.

If project export is not done and the phone used for commissioning gets lost or broken, then access to the Multisensors in this project is lost! In this case, a Signify representative must be involved to reset the devices!

Project export and import can also be used to transfer a project and ownership from one user to another or to give other users access to Multisensors in a project.

- ⓘ **Note**  
Project/network changes are not synchronized in the cloud; hence, commissioning is done by one phone, not multiple phones.
- ⓘ **Note**  
Make sure that all Multisensors are in range and powered during commissioning.

## 6.1 Projects

On the Projects screen, tap **New project** to create a new project.

A new window allows giving a name to the new project.

Tap on a project name to select it and make it active.

The new project will appear in bold (name) on the project list that appears on the Projects page.

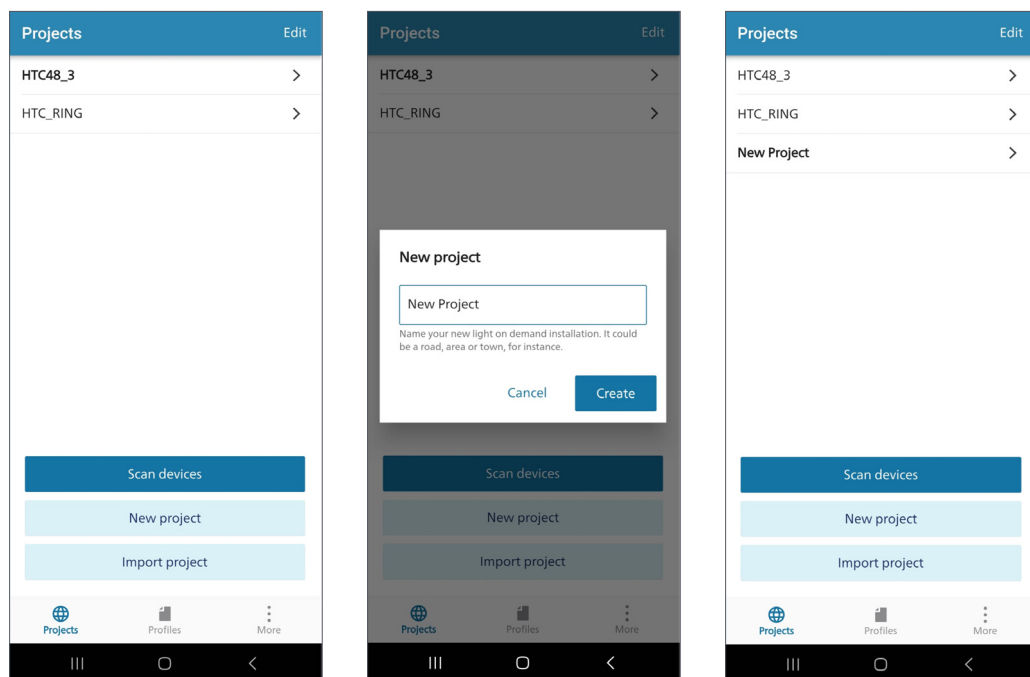


Figure 8: Create a new project

### 6.1.1 Project structure

The project screen provides an overview of the project.

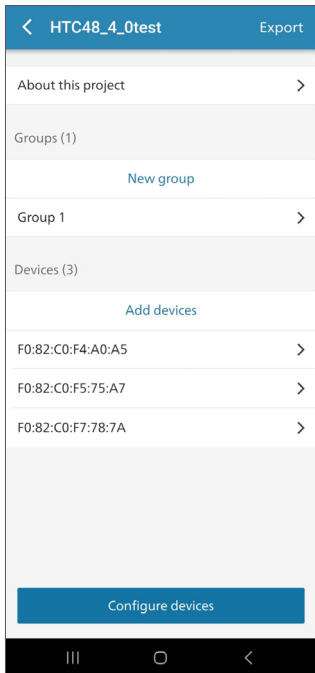


Figure 9: Project structure

On *About this project* you can rename the project and change the project password (for exporting the project). Provides the date and time stamp when the project was created. It also allows to *Delete project* from the App.

**Note**  
Delete will remove the project from the mobile App, and access to the devices will be lost. Before deleting a project, use Export project. The export file is required to regain access to the devices.

**Attention**  
Notice that 'non-empty projects' project must be exported. After that, it can be deleted from the Mobile App.

**Note**  
Export project is not required if all devices have been removed from the project.

**Groups** allow access to the groups and create new ones. Refer to [Add devices to a project](#) for a detailed description.

**Devices**, allows to add devices to the group, and access to the added devices to the project. Refer to [Groups](#) for detailed description.

**Configure devices**, allows to configure the radar sensor parameters and the photocell. Refer to [Configure devices](#) for detailed description.



## 6.2 Add devices to a project

In the commissioning process, the crucial step is adding a Multisensor to a project, as outlined in the *Commissioning Guide*. Outdoor Multisensors can be networked via a local radio mesh for light-on-demand applications. This grouping benefits standalone and connected operations, allowing areas or roads to be lit upon motion detection.

On your selected project screen tap **Add devices** to scan for Outdoor Multisensors in range and tap **Add device** to add a Multisensor to the project.

**Note**  
Blink may be used to localize the device to be added to the project.

Next, accept or provide a new device name and press save.

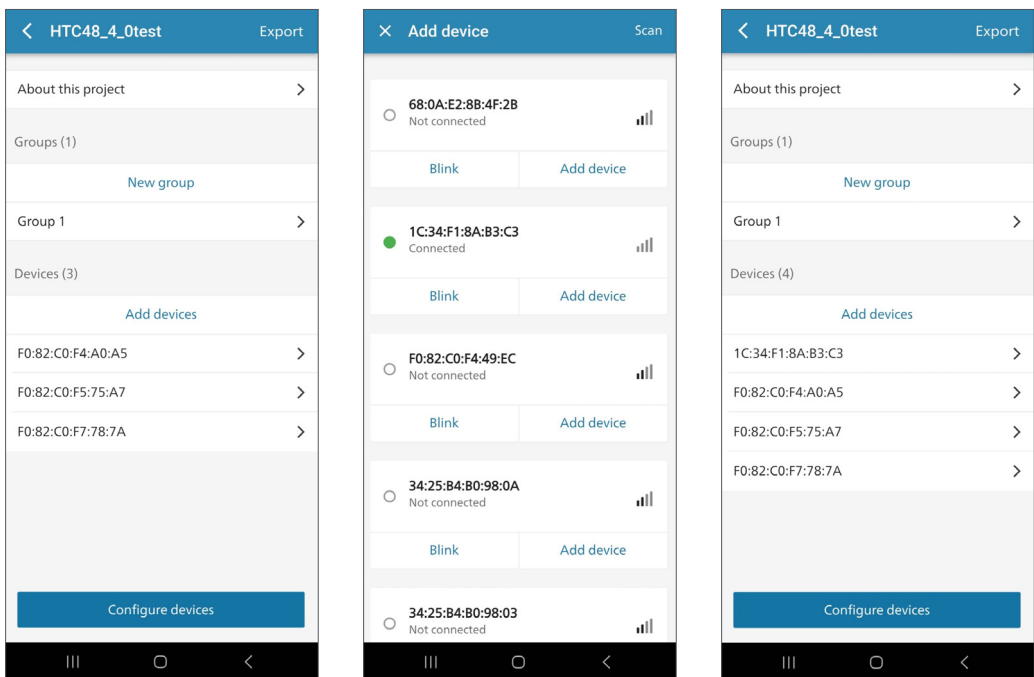


Figure 10: Add devices to a project.

- Note**
- A device can only be part of one project. If a device is part of another project, you will be informed when scanning the device by saying, "Already claimed".
  - Access to a device with only one Mobile APP from one phone.

### 6.2.1 Blink devices

Before adding devices, you can tap **Blink** to locate a Multisensor. *Blink* turns on/off the luminaire, and the Multisensor status LED four times in 20 s.

### 6.2.2 Remove devices from a project

On your selected project screen, tap on the device that should be deleted.

On *About this device*, tap on **Remove from Network**, and the device will be removed from your project.

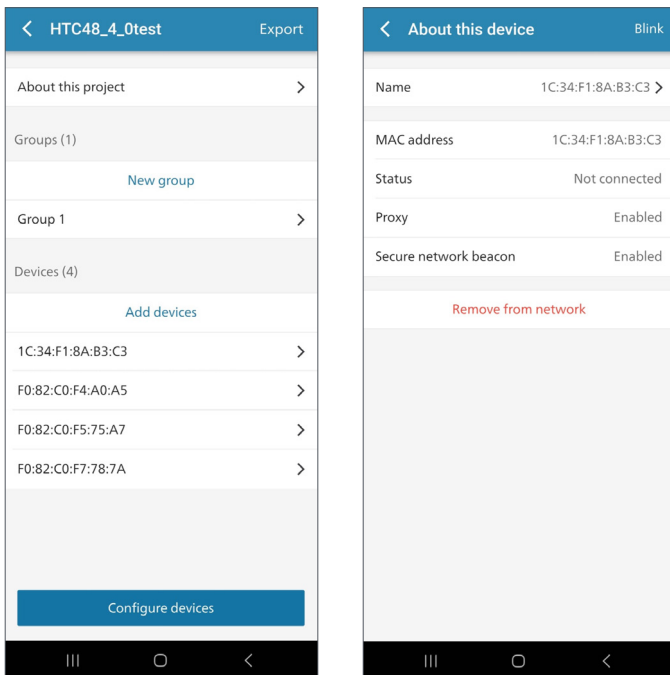


Figure 11: Remove a device from a project

## 6.3 Groups

After a Multisensor is added to a project, it can be added to a group using the mobile App.

### 6.3.1 Create a group

Tap **New group** to create a new group, provide a new group name and press Create.

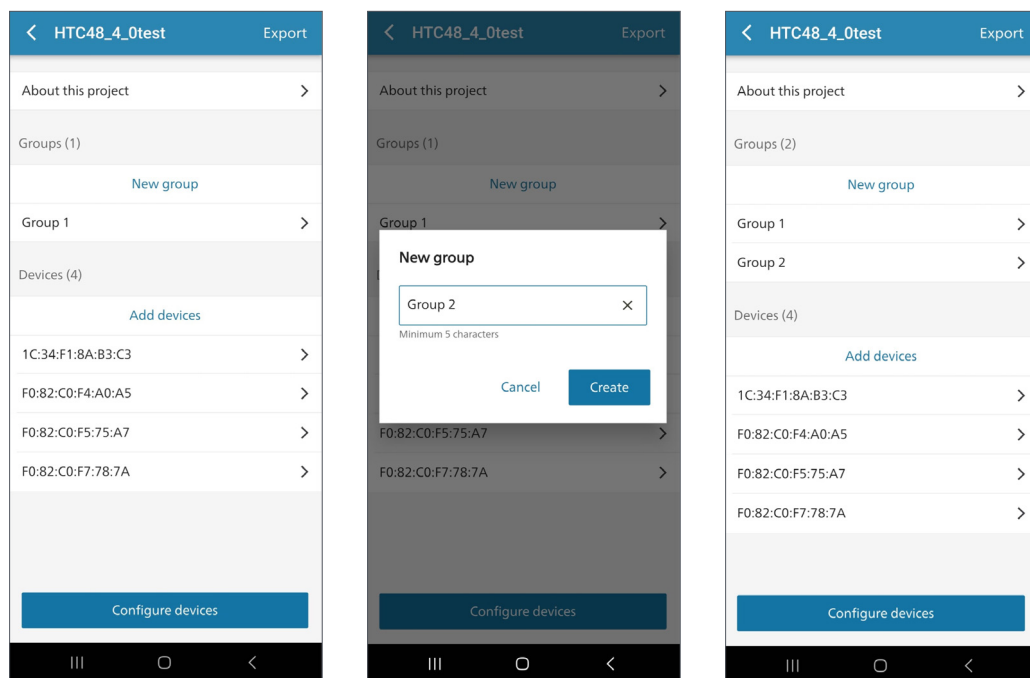


Figure 12: Create a new group

### 6.3.2 About this group, rename or delete

On your selected project screen, tap on a group from the list below *New Group*.

On *About this group* you can modify the group name.

Tap on **Delete group** to remove the group from the project.

 **Note**  
To delete a group, first remove all devices from the project.

Below *Devices* are displayed the list of devices that belong to the group.

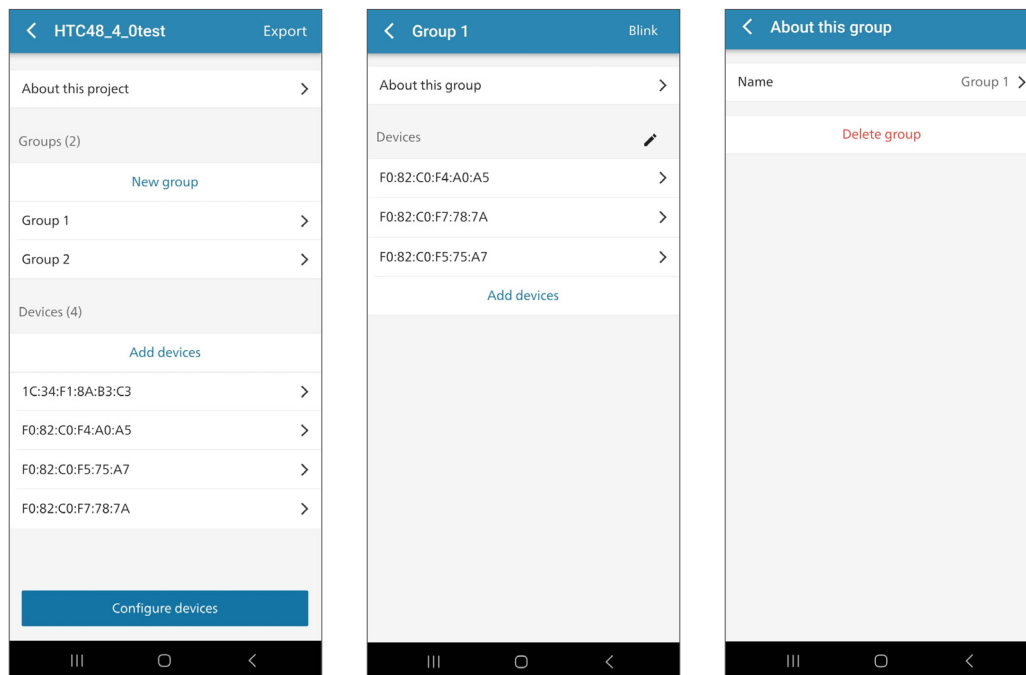


Figure 13: About this group, rename or delete

### 6.3.3 Add devices to a group

On your selected project screen, tap on a group to add devices.

Press **Add devices** to scan for devices in range.

A new screen will list the devices in range, tap on **Add** on a device. First, the App will connect to the devices, and press **Add** on the pop up message to confirm.

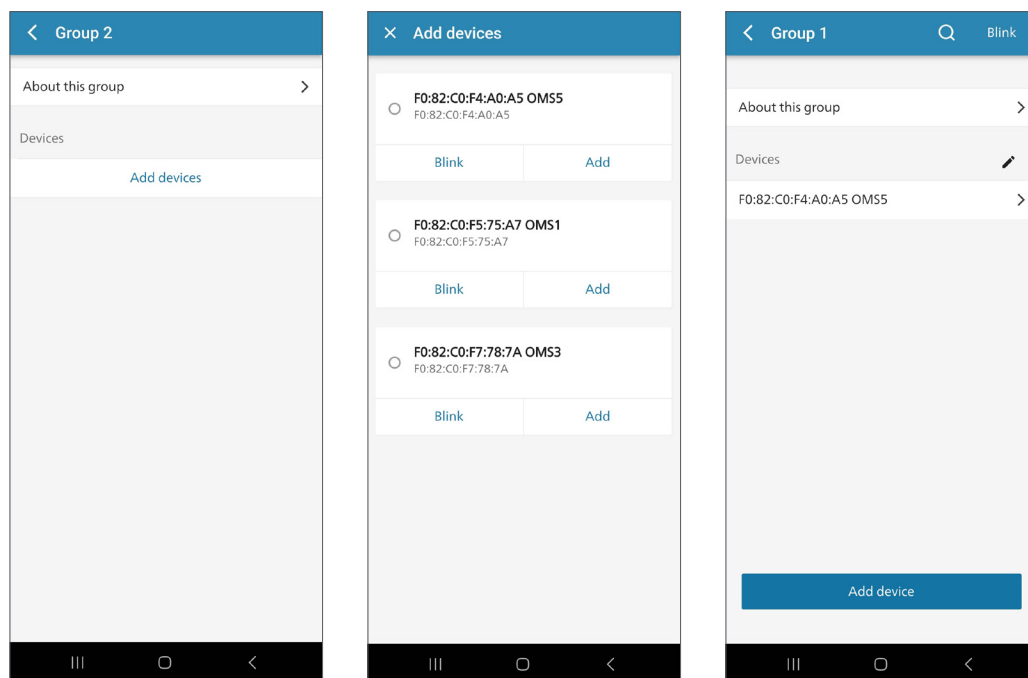


Figure 14: Adding devices to a group.

#### Notes

- If a Multisensor belongs to more than group, means that is an overlapping node.
- A Multisensor can be part of multiple groups but can only be part of only one project.

### 6.3.4 Group Blink

Tap group on the top right corner of the group screen to identify all luminaires in the group. The luminaires will blink four times.

### 6.3.5 Remove devices from a group

Tap on the group that should be removed. First, ensure that the group is empty.

Tap on each device to remove it from that network, on about each device.

If a device belongs to more groups, the devices will be removed from the group that is removed, and not from the rest.

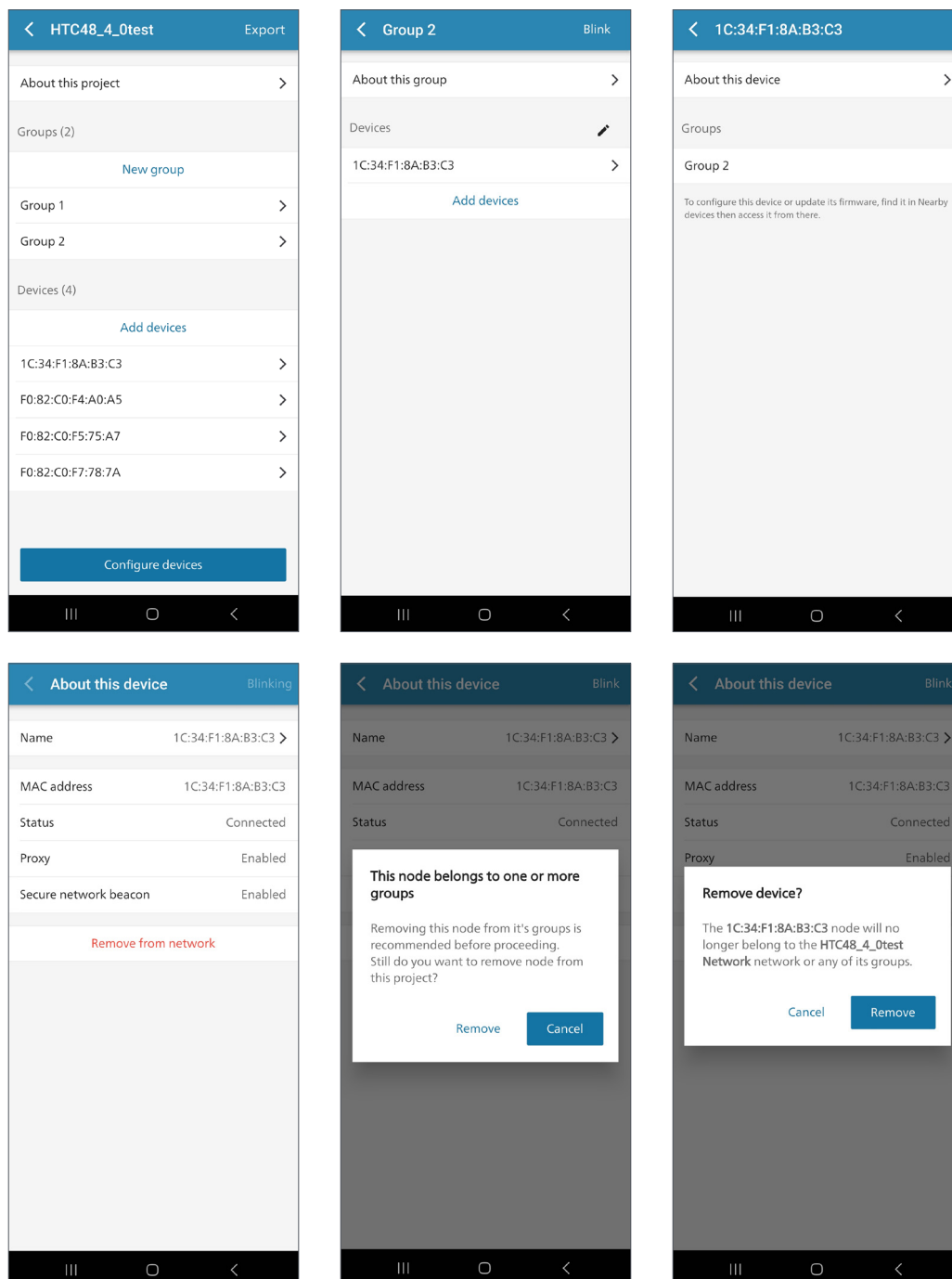


Figure 15: Remove devices from a group.

Next, to remove an empty group, tap on **About this group** and select **Delete group**.

Press **Remove** to remove the group from your project structure.

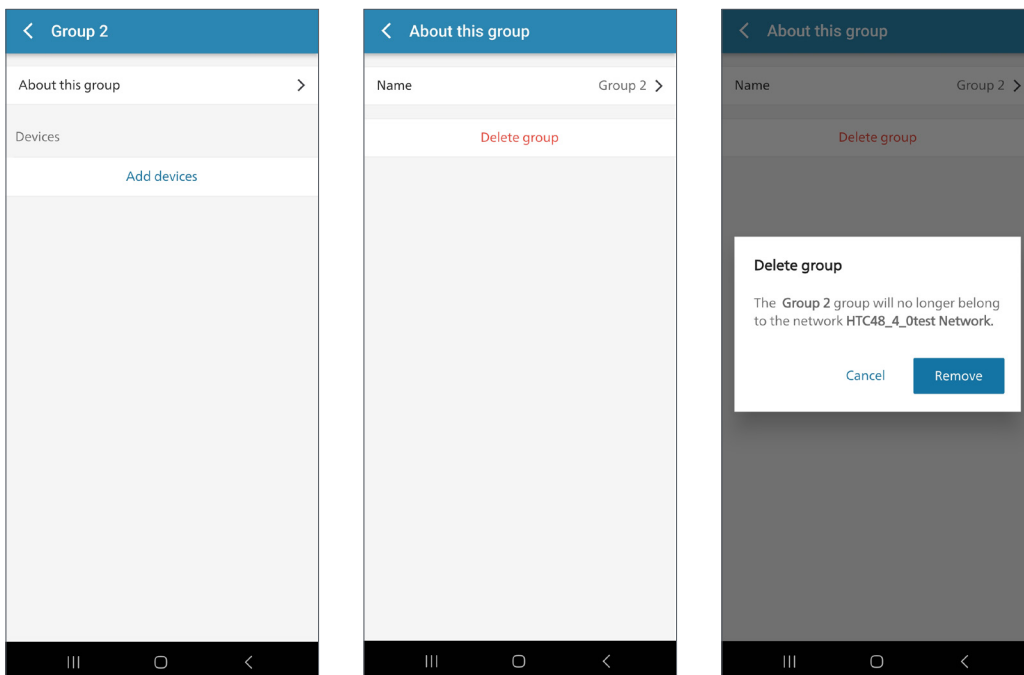


Figure 16: Remove an empty group.



## 6.4 Projects export and import

When commissioning is done, export the project for backup, meaning an encrypted and password-protected file is created and stored in an email.

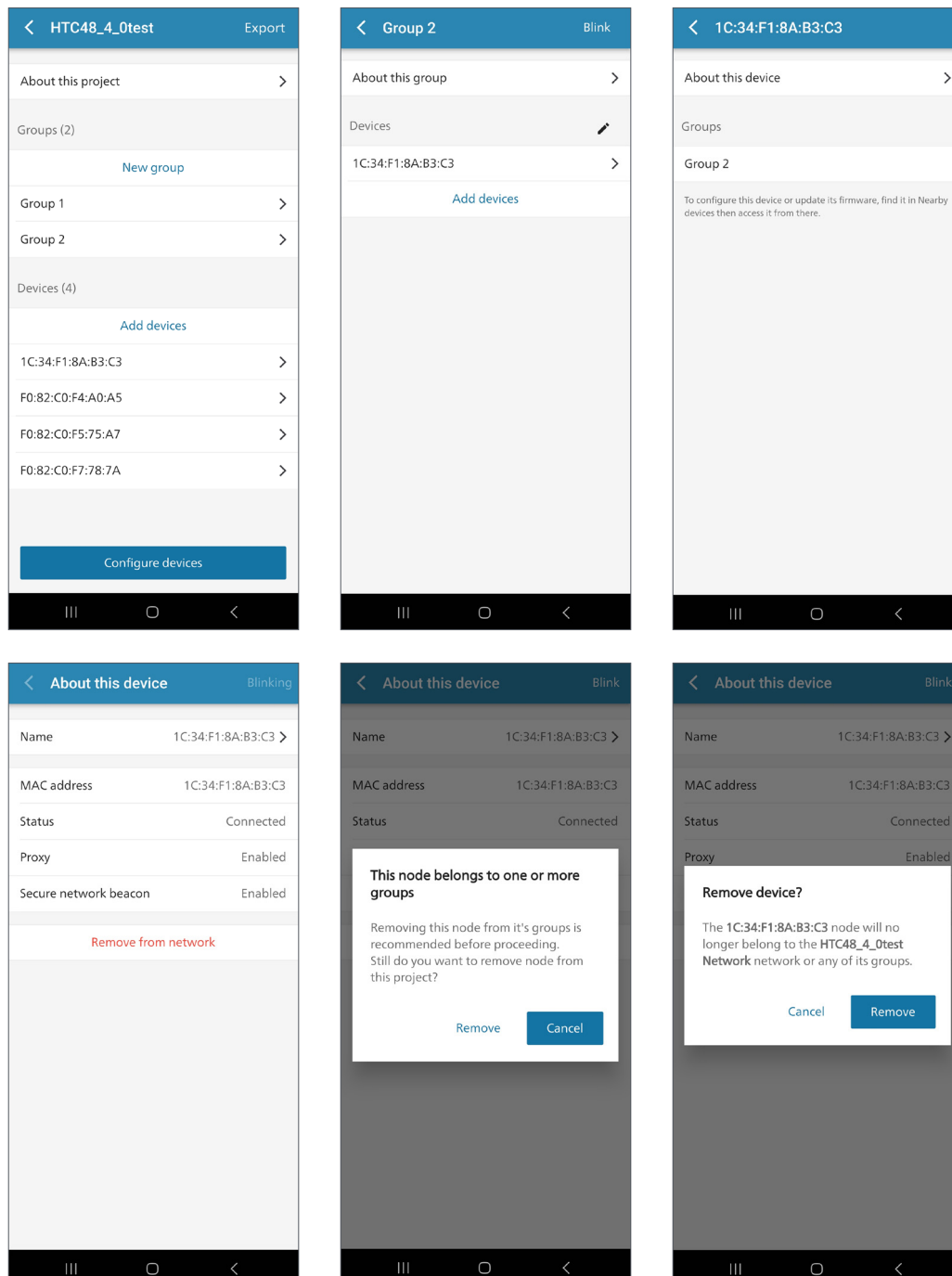



Figure 17: Project (export) sharing steps

In case the phone used for commissioning gets lost or broken, but a project has been exported, the project can be restored on a new phone by importing this project.

If project export is not done and the phone used for commissioning gets lost or broken, then also access to the Multisensors in this project is lost! In this case, a Signify representative needs to be involved to reset the devices!

Project export and import can also be used to transfer a project and ownership from one user to another or to give other users access to Multisensors in a project.

 **Note**  
Project/network changes are not synchronized in the cloud; hence commissioning is done by one phone, not multiple phones.

 **Note**  
Make sure that all Multisensors are in range and powered during commissioning.

## 7 Configure devices

Configure devices refers to configuring the radar sensor parameters for motion detection and the photocell.

### 7.1 Out-of-the-box configuration

Table 2 shows the Out-of-the-box configuration of the Outdoor Multisensor.

Application Firmware version	4.1	4.0 & 3.9	3.8	3.7
Operating mode	Photocell and motion	Photocell and motion	Photocell and motion	Photocell and motion
<b>Motion</b>				
Light-on level	100%	100%	100%	100%
Hold time	5 minutes	5 minutes	5 minutes	5 minutes
Background level	50%	50%	10%	10%
Cut off	Disabled	Disabled	5 minutes	5 minutes
Direction	Approaching	Approaching	Approaching	Approaching
Sensitivity	HIGH	34 dB	34 dB	34 dB
Fade time	No fade	No fade	No fade	No fade
Immunity	LOW	N/A	N/A	N/A
<b>Photocell</b>				
Hysteresis	50 lx	50 lx	50 lx	50 lx
Switching level	90 lx	90 lx	90 lx	90 lx

Table 2: Out-of-the-box configuration of an Outdoor Multisensor

## 7.2 Un-commissioned devices

A factory-new Outdoor Multisensor is not part of any network and can be accessed and configured by any app user.

Tap **Configure devices** on the *Projects* tab to scan for *un-commissioned* or *project* Outdoor Multisensors in range.

**Note**  
Outdoor Multisensors that are part of the active project appear in the scan list.

Tap **Access** to a Multisensor (○ = 'not connected', ● = 'connected').

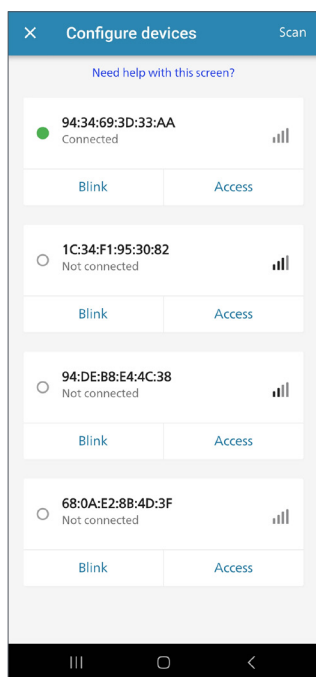


Figure 18: Configure devices

### 7.3 Commissioned devices

A commissioned Outdoor Multisensor is part of a network and can only be accessed by the phone used to create the network or by a phone that imported its network. Other users see this Multisensor as 'Already claimed'.

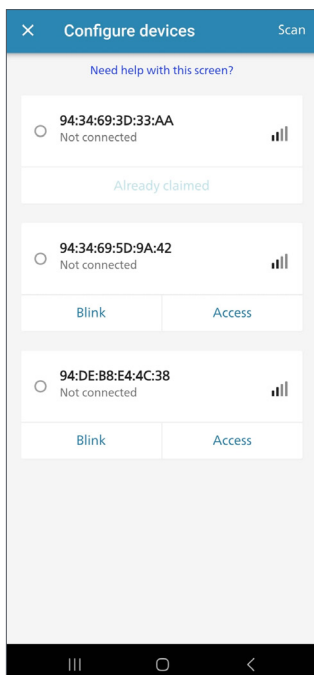


Figure 19: Commissioned devices – "Already claimed"

Tap **Configure devices** in a project to scan for *active project* Outdoor Multisensors in range.

**Note**  
Make sure that all Multisensors are in range and powered during commissioning.

#### Tap

- **About this device** to find information about this device
- **Configuration**
  - To configure Motion parameters
  - To configure Photocell parameters
  - Load, export or create a profile
  - **Operating mode** to change the operating mode to:
    - Photocell
    - Motion
    - Photocell & motion
- **Firmware update** to install new device firmware over-the-air
  - Application firmware update
  - Radio firmware update
- **Disconnect device** to disconnect from a Multisensor

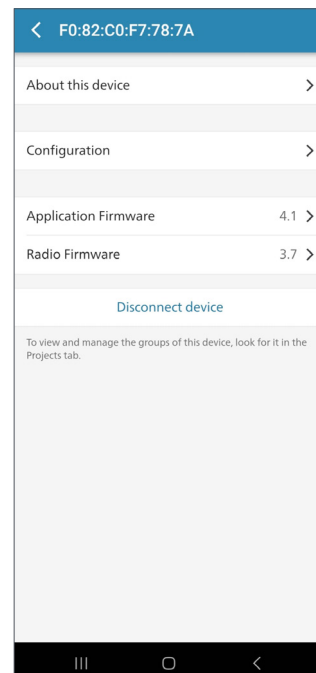


Figure 20: Menu when connected to a device via the App

## 7.4 Operating mode

Three operating modes can be selected via the mobile App.

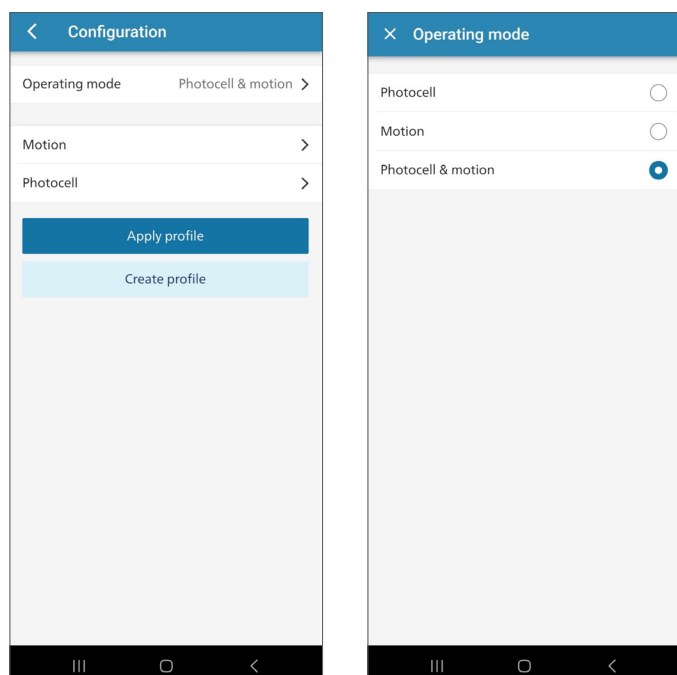


Figure 21: Operating mode (Standalone)

### 7.4.1 Photocell

The device controls the light using the daylight sensor only.

The light is turned on/off in case the switching level is crossed.

### 7.4.2 Motion

The device controls the light using the motion sensor only.

The light is turned on to the Light-on level in case motion is detected.

### 7.4.3 Photocell & motion

The device controls the light using the daylight and motion sensors.

The light turns on to the Light-on level if the switching level is crossed and motion is detected.

### Note

In connected deployments, the Outdoor Multisensor photocell is disabled and applies the switching regime selected on the Interact City application.

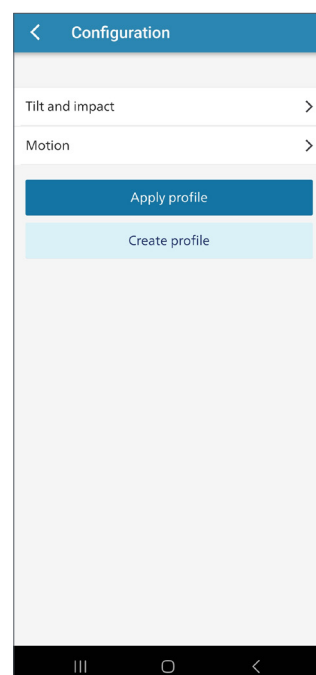


Figure 22: Operating mode (Connected)

## 7.5 Configuration

### 7.5.1 Motion

Tap **Configuration**, next **Motion** to change the motion parameters of the Multisensor. See figure 23.

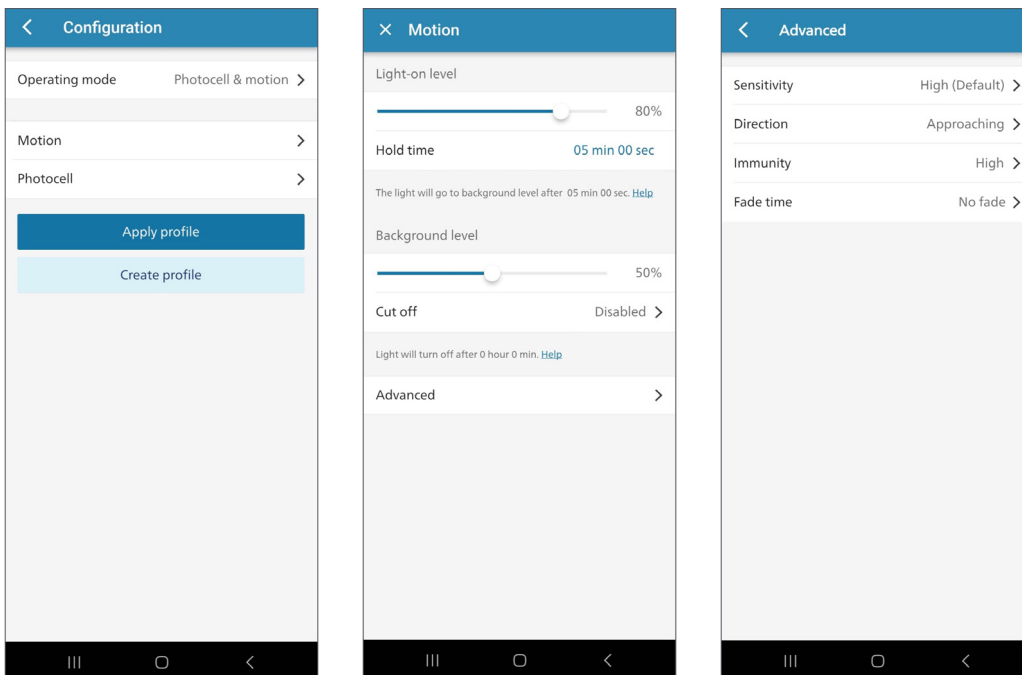


Figure 23: Motion parameters (Standalone)

#### Light-on level

After the motion is detected, the luminaire fades to *Light-on level*, and the hold timer starts. If the motion is detected before the hold time has elapsed, the luminaire remains at the *Light-on level*.

#### Hold time

The *Hold time* determines how long the light remains at the *Light-on level* in case motion is not detected.

#### Note

If motion is detected and the light is at the *Light-on level*, the hold timer restarts.

#### Background level

When the light is at the *Light-on level* and motion is not detected, and the *Hold time* has elapsed, the luminaire fades down to the *Background level*.

#### Note

The *Background level* shall always be lower than the *Light-on level*.  
If the *Background level* is set to 0 or the *Cut-off* is set to *Immediately*, the luminaire switches off after the hold time.



### Cut-off

*Cut-off* determines how long the light remains at the Background level in case motion is not detected. That is, how long the lights will remain at the background level before turning off.

- If the *Cut-off* is set to **Disabled**, the luminaire will remain at the Background level when motion is not detected.
- If the *Cut-off* is set to **After a while**, the light will switch off after the *Cut-off* time.
- If the *Cut-off* is set to **Immediately**, the light will turn off.

#### ☰ Note

- If the *Background level* is set to 0% using the slider, then the *Cut-off* is automatically set to *Immediately*.
- If the *Background level* is a light level between 1% and 100% then the *Cut-off* remains on *Disabled* or *After a while* depending on what the user has selected.

Notice that the duration of the Background level is determined by the specified cut-off time.

### Fade time

*Fade time* is used to set the fade time for all light transitions.

#### ☰ Note

- The fade time in connected basic is fixed to 0 seconds.
- The fade time in connected advance, can be set from Interact City UI, when the light on demand sensing modality is enabled.

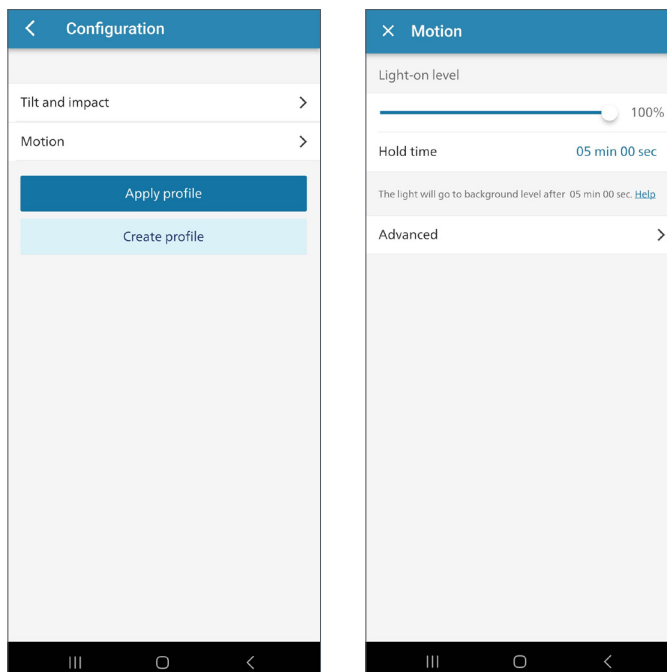


Figure 24: Motion parameters (Connected)

### Sensitivity

The *Sensitivity* parameter is used to adjust the degree of response of the radar sensor to an incoming signal. Thus, adjusts the direct range of the motion sensor.

#### ☰ Note

The *Sensitivity* generally does not need to be changed.

The radar sensor *Sensitivity* parameter can be configured on the App for standalone and connected basic deployments and from Interact City applications for connected advance deployments when the Light on Demand sensing modality is enabled for that site.

Access a device and tap on **Configuration**.

Tap **Motion**, and then tap on **Advanced**. *Direction* is an advanced radar parameter.

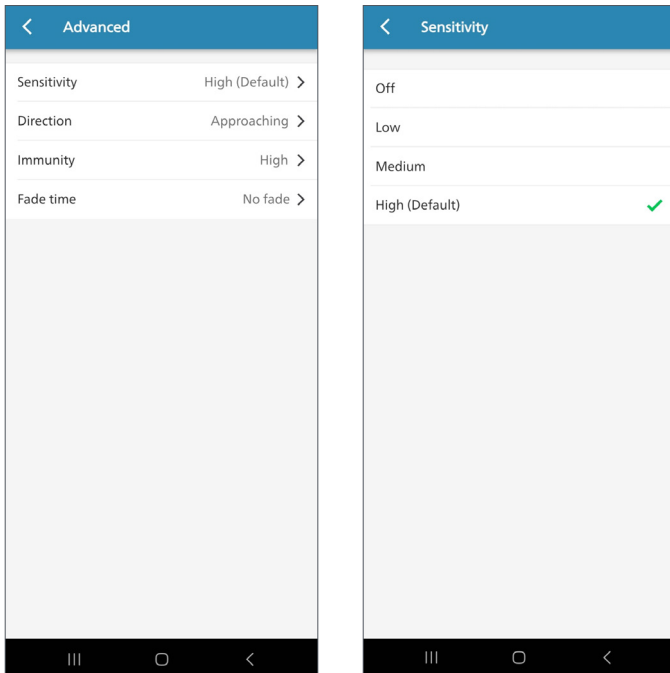


Figure 25: Motion – Sensitivity parameter

Four options are possible:

- OFF disables the motion detection.
- LOW helps to reduce the incoming signal of big objects in motion.
- MED helps to reduce the incoming signal, adjusting the range by approximately 45%.
- HIGH is the normal operation and default setting. This value generally does not need to be changed unless a specific application in the field requires it.

Refer to the *Outdoor Multisensor application and commissioning* for further reference.

## Direction

*Direction* is used to set the behaviour with respect to the direction of a movement in the front of the motion sensor, see figure 26. Options are *Approaching*, *Receding*, and *Any*. When set to *Any*, the motion sensors react to both *Approaching* and *Receding*.

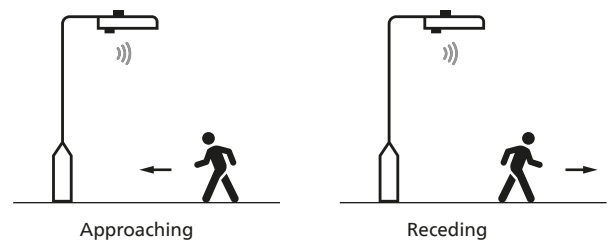


Figure 26: Direction motion detection

Access a device and tap on **Configuration**.

Tap **Motion**, and then tap on **Advanced**. *Direction* is an advanced radar parameter.

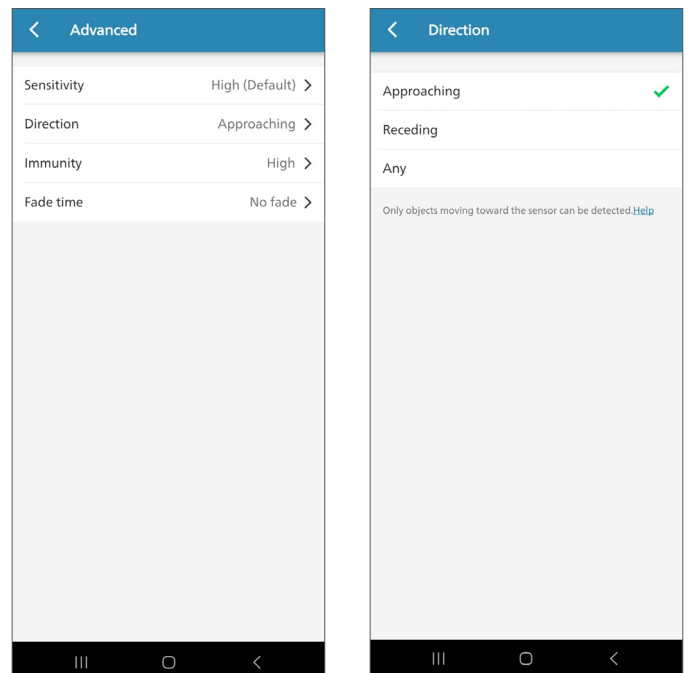


Figure 27: Motion – Direction parameter

Refer to the *Outdoor Multisensor application and commissioning* for further reference.

## Immunity

The immunity parameter helps to minimize false motion triggers due to constant motion events in the environment, such as wind, rain, wind, insects or vibrations.

Access a device and tap on **Configuration**. Tap **Motion**, and then tap on **Advanced**. *Immunity* is an advanced radar parameter.

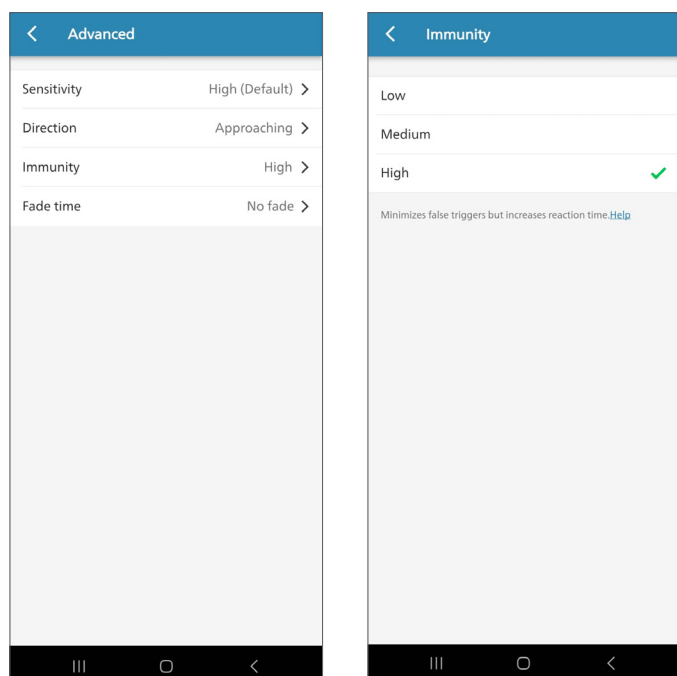


Figure 28: Motion - Immunity filter

On the Mobile App, you can choose between the three options:

- **LOW** - Select this option when your application requires a short reaction time. Less immune to false triggers.
- **MED** – A balance between reaction time and false trigger reduction.
- **HIGH** – Minimizes false triggers but increases reaction time.

Refer to the Outdoor Multisensor application and commissioning for further reference.

## 7.5.2 Photocell

The photocell is intended for standalone deployments with a continuous grid to avoid turning the lights on during the day.

Tap **Configuration** and then **Photocell** to change the photocell parameters of the Multisensor, see figure 29.

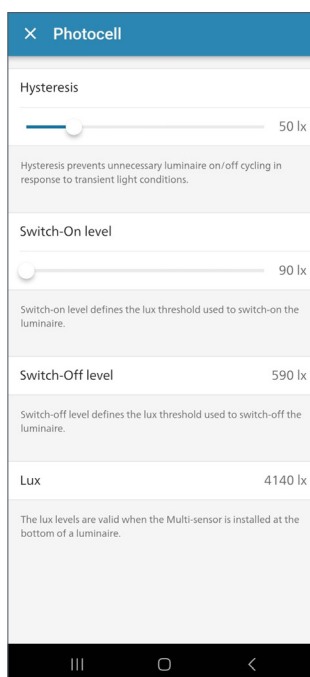


Figure 29: Photocell parameters

### Switching level

In *Photocell* mode, the luminaire will turn on/off if the ambient light is lower/higher than the *Switching level*.

### Hysteresis

*Hysteresis* prevents light cycling if the luminaire is turned on/off.

Since the Multisensor is mounted at the bottom of a luminaire, the photocell might see a part of the electrical light. *Hysteresis* creates a second switching level that needs to be crossed before the luminaire can be turned off/on again. The hysteresis value must be lower than the *Switching level*.

### 7.5.3 Profiles

When connected to a Multisensor, a profile can quickly apply a known configuration to an Outdoor Multisensor. Use the **Profiles** tab to create, modify or import a profile. See figure 29.

#### Tap

- **New profile** to create a profile
- **Import** to import a profile from another phone
- Profile name to select a profile
  - **About this profile** to rename or delete a profile
  - **Motion** to change the parameters in this profile
  - **Photocell** to change the parameters in this profile
  - **Export** to export a profile via email
  - **Duplicate** profile to create a profile copy which can be renamed and modified
- **Sort** to sort the profile list (name, date, etc.)

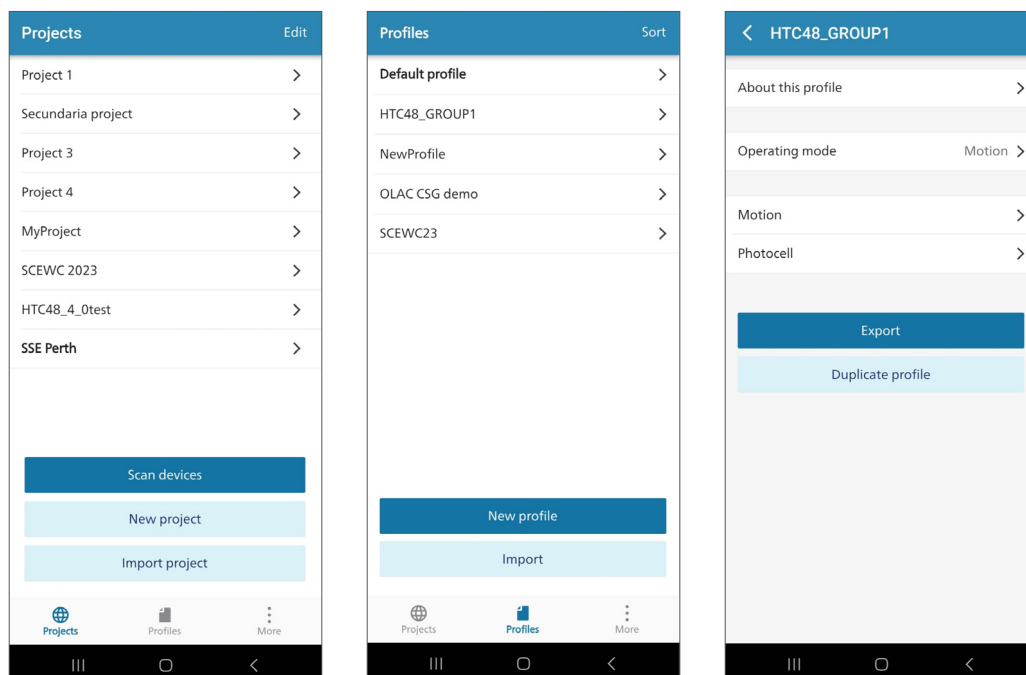


Figure 30: Profiles

#### ⓘ Note

- The default profile cannot be deleted, exported or duplicated.
- Profiles are not exported when you export a project. Use export profiles to export the profiles of your project.

## 8 Firmware updates

The *Firmware update* is used to update the application firmware of the Multisensor.

- Outdoor Multisensor Standalone – via the Mobile APP
- Outdoor Multisensor Connected Basic – via the Mobile APP
- Outdoor Multisensor Connected Advance – OTA to the OLC (Outdoor Luminaire Controller) and via DALI to the Multisensor, pushed by Interact City backend.

The Outdoor Multisensor hosts two firmware versions, one for the application and a second one for the local radio.

Application firmware version	Radio firmware version	Outdoor Multisensor SKU
4.1	3.7	TBD
4.0	3.7	108341209
3.9	3.7	108341209
3.8	3.6	108261532
3.7	3.5	108309610

Table 3: OMS firmware versions and SKUs

The radio firmware can be upgraded to version 3.7 after upgrading the application firmware to the latest version. The Mobile App is backwards compatible with all firmware versions.

 **Note**  
The latest firmware is embedded in the latest Mobile App version.

## 9 More

The *More* tab is used to

- Logout
- About this App
- Delete account

In *About this App*, the user can find

- Privacy notice
- Terms and conditions
- Product security
- Open-source licenses

## 10 App releases and system limitations

### Philips Outdoor Multisensor App

Version 5.0.0    Version 4.0.1

#### Projects

Projects / App	10	10
Groups / Project	200	200
Sensors / Project	512	512

#### Profile

Operating mode part of the profile	No	No
Apply profile to a group	Yes	No
Rename Multisensor in a project	No	No

#### Firmware

Embedded firmware in the App	Yes	Yes
Update a group of Multisensors	No	No

#### Miscellaneous

Multisensor name displayed in scan list	No	No
Motion speed filter (bicycles, cars, pedestrians)	No	No
Immunity filter	Yes	No
SNB enablement	Yes	Yes



## 11 Known issues with specific phones

### 11.1 Huawei mobile phones

Reported by Huawei and from the field by OMS mobile application users.

#### **Issue reported by OMS mobile App users**

OMS firmware updates takes longer than expected.

#### **Reported by Huawei**

Poor connection when using the Wi-Fi and the Bluetooth at the same time.

- **Cause:** When using the Wi-Fi and the Bluetooth at the same time, the phone can fail to connect to the wireless network, the network speed can be too slow or you may experience audio issues during a Bluetooth call.
- **Reasons:** This is due to the fact that both the Wi-Fi and the Bluetooth modules of your HUAWEI phone share the same 2.4 GHz frequency band and they interfere with each other when enabled at the same time.
- **Solution:** For the OMS commissioning when using a Huawei phone, ensure that the Wi-Fi is disabled. Only enable the Bluetooth.
- See <https://consumer.huawei.com/uk/support/content/en-gb00423553/>

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