Quick start:

Download the app from Google Play or from the Apple App Store or via iTunes, and then install the app. If you wish to familiarise yourself with the app’s functions first before actually using it, you can start the demo mode.

Otherwise, activate “Bluetooth” in the system settings of your mobile device and start the initial setup. Open the APP, confirm the GTC and start by clicking "Login". For the initial setup, you have to enter two different passwords. It is essential that you make a note of both! When the setup process is complete, you will be in the “Rooms” menu. Click on the pencil symbol at the top right. You can now create new rooms or pair devices to an existing room. To do this, click on an existing room and then select “+ Add new device”.

As soon as you have created all the rooms and paired all the devices you require, click on the checkbox symbol at the top right to close/save your entries. You can switch on/off the devices now shown under Rooms, provide them with a time switch or, depending on other available functions, dim or change the colours of the devices.

One more tip: If you would like to use additional mobile devices, you can transfer the entire configuration of the first mobile device to other mobile devices. For more information, refer to the section "Settings – System – Backup / Transfer" in these instructions.

Have fun! Your Paulmann Licht Team
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1. Technical requirements for smartphones, tablet PCs and iPads

Paulmann Smart Home products based on Bluetooth Low Energy can be operated conveniently by remote control. To achieve an extended functionality and attain additional control possibilities, Paulmann offers an app free of charge. The following conditions are required for operating the app on your smartphone, tablet PC or iPad:

- Bluetooth 4.0 (Bluetooth Low Energy) must be integrated in and supported by the operating systems.
  - For Android, this support is generally available from Android 4.3. Further information on the compatibility of specific devices or manufacturers – as far as this is known to us – is given under: https://de.paulmann.com/smarthome-app
  - For Apple users, Bluetooth 4.0 is supported by iPhone 4S or higher.

2. Downloading the app

The Paulmann Home app is available as an Android version from Google Play and from the Apple App Store, which can be accessed directly in iTunes.

You can perform the download as usual, and also update the app through these stores. In addition, Paulmann offers the possibility of downloading the current Android version as an APK file (visit https://de.paulmann.com/smarthome-app). In this case, automatic updating is not supported and you will have to remove the lock in the system settings for apps that do not originate from the Google Play Store (e.g. under: Settings – Security – Unknown sources – Allow).

3. Remember: First activate Bluetooth!

Please note that for all control functions or for pairing devices such as lamps, luminaires or controllers, the system setting “Bluetooth” of your smartphone, Tablet PC or iPad must be activated!

4. Setting up the app for the first time

4.1. Confirmation of the General Terms and Conditions

To use the app, you must agree to the Terms of Use and the Privacy Statement. For more information, refer to relevant section in these operating instructions.
4.2. When starting the app for the first time, use "Login".

The start symbol is then shown:
This is followed by a menu for entering your personal user password, which differentiates you in terms of your modification and usage rights from other users on this smartphone or tablet PC.

**Please ensure that at least one administrator account with the corresponding password is available at all times!** Otherwise, you will irrevocably lose access to your control system and, if you wish to make any modifications, you will have to pair the system all over again:

This first password automatically refers to the “administrator” of your control system. It encrypts and protects the app if there are other users (e.g. members of your family) who have access to your smartphone or tablet PC – but only if this password is not saved and must be entered again for every login of the app.

The password should consist of at least 6 characters. If you save the password, it is not necessary to re-enter the password when you log in again on the same account.

**Note:** Please note that at this point you also have the possibility of changing to the demo mode.

If the password is saved, any user of the device can operate the control system under your name and also change it if administrator rights have been assigned. Tip: It is therefore advisable to consider how to proceed with smartphones, tablet PCs and iPads that are to be used by several users. It may be convenient to set up a general user who only has operating rights and no administrator privileges.

If you operate the app on a number of smartphones, tablet PCs or iPads, a new administrator is always created for each additional control device. The password of this administrator can be different or, if desired, the same as the smartphone etc. that is used first.

4.3. Entering the system password

In the next step, another password is needed; this is used to identify the devices, such as lamps, luminaires and controllers, that are used within your system and therefore to differentiate them from other external devices:
A random value (in this case 1120) is suggested, but you should overwrite this with your own choice of number.

The system password ensures that no external app user is given access to your devices. If you use the app on various smartphones, tablet PCs or iPads, this password must be entered for each additional mobile device when installing the app on them for the first time. Otherwise, devices that have already been paired can no longer be used (see “Rooms – Pairing devices”). The system password therefore provides protection against external access to your control system.

**Important note:** For security reasons, there is no “general master password” with which your system can be restored in case the access data have been lost. If the system password is lost, the entire system configuration must be performed again, and all devices that have been paired must be reset manually to the factory setting. A factory reset is performed by switching the power supply on/off 3 times.

4.4. Setting the operating mode

By setting the operating mode, you can optimise the functioning of your control system. The basic setting assumes that several smartphones, tablet PCs or iPads are used for control purposes. For this reason, it is necessary to observe certain access rules. For small systems with only one smartphone or tablet PC/iPad, this arrangement can be simplified.
To set the operating mode to small systems, change the operating mode to “One user and max. 6 lamps.” Here “user” refers specifically to the smartphone or tablet PC/iPad. With this setting, it is possible to set up one administrator on a smartphone together with several users, who are then given differing operating rights.

If you wish to use several mobile devices (= “users”) or more than 6 lamps, luminaires or other actuators, you should keep the setting “Several users or >6 lamps”.

Note: This setting does not affect the use of a remote control within the system.

If you wish to change the operating mode later, this can be done at any time in the “Settings” menu.

4.5. Agreeing to our GTC

For operation of the app, it is necessary to agree to our General Terms and Conditions (GTC). Further details can be found in the section “GTC.” In particular, it is necessary for every user of the app to consent to these GTC, e.g., if several users share a house/apartment.
This concludes the initial setup and you can now start using the app (see e.g. “Rooms” and there also “Pairing devices”).

5. Changing the language setting

The Paulmann app supports various languages. To change the language setting, use the settings of your mobile device to select a different language. If you have already used the app, it is also necessary to terminate the app completely under “Settings – App / Applications – Paulmann app” by using the command “Force quit”. When the app is restarted, the newly selected language is then shown on the display and in the app commands. Your own entries, such as room designations, device names etc., are not translated. If the app does not support the chosen language, the commands and messages within the app are shown in English.

6. Logging in to the app, saving the password, renewed password request, switching the user

When the app is set up for the first time, an administrator account with a password is created. When you start the app again, the Login button is displayed.

Alternatively, you may be requested to enter the user password again. You can suppress this renewed request to enter a password at any time by checking the box next to “Save password.” However, you should then ensure that your smartphone, tablet PC or iPad cannot be used by other persons who should not be granted these access rights (e.g. when the mobile device is used by all members of the family).

If the password has been saved previously and you wish to activate the password request again, you can do this by not clicking on Login immediately, but instead on the username that is displayed. Then remove the check mark next to “Save password” and log in.

If you wish to log in on a device under a different username, click on the name that is displayed and overwrite the existing entry in the field “Username” with the name you require. Enter the corresponding password and, if required, activate the option “Save password.” It is only possible to switch users if you have previously created this user with the corresponding password in the system settings.
7. Demo mode

You can activate the demo mode by clicking on the username during the login procedure. If you do not wish to change the password, click only on the option “Start demo mode.”

In this case, you will be offered an option for entering the password as well as starting the demo mode. The display first leads you to the “Rooms” menu. Here you will find pre-installed rooms that do not correspond to your real situation; similarly, the paired devices that are shown do not match your installation. The data shown is merely intended to demonstrate the functionality and handling of the app and offer a possibility for testing.

In the demo mode, you can “switch” the devices that are displayed on or off, and also operate the dimming control or RGB colour selection. In addition, you can change device settings as well as create or delete new rooms, moods and favourites, just as you would in live operation.
Please note, however, that changes you make in the demo mode do not have any effect on your real installation. Moreover, not all functions are available to their full extent in the demo mode.

To exit the demo mode, please log out and then restart the app.

8. “Rooms” menu

When the app is started, you are first taken to the “Rooms” menu. The “Rooms” menu is used to set up the system control and to manage the paired devices (actuators such as lamps, luminaires etc.).

8.1. Using the “Rooms” menu

Enter the “Rooms” menu by clicking on the “Rooms” icon at the bottom centre of the screen. When the app is started, you will always be taken to the “Rooms” menu.
If you click on one of the rooms displayed there, a menu opens to show the various devices assigned to that room. Here you have the possibility of changing the status of the individual device, e.g. you can switch a device on or off, dim it or change its colour settings.

To change a device status, click on the name of the device (e.g. “LED strip 2017”), on the current status display (e.g. RGB with green colour), or on the triangle at the top right.

Depending on your selection, control menus with different functions will open.

Example of a submenu for an RGBW lamp when activated by clicking on the name field:

Example of a submenu for an RGBW lamp when activated by clicking on the status field:
Example of a submenu for an RGBW lamp when activated by clicking on the triangle in the device preview:

Further notes on using the submenus are given under “Operating the devices”.

8.2. Making changes in the “Rooms” menu

In the rooms menu, you can create new rooms, delete existing ones, and train new devices for the existing rooms. In addition, you can rename the existing rooms or change the assigned pictogram.

To do this, click on the pencil symbol at the top right in the “Rooms” menu.
8.2.1. Creating a new room

In the display, the menu entry “+ Add new room” is shown at the end of the list of existing rooms.

If you activate this entry, you are requested to define a room designation.

When you click on the name field, the keyboard appears and you can enter a name.
You can also select a pictogram by clicking on the empty circle field. You are then shown a selection of pictograms for the various room types.

Once you have selected one of the pictograms, you are taken back into the room creation mode.

**Note:** The pictograms are only used to improve orientation and simplify the use of the app. No control functions or specific settings are associated with them.

Click on “Save” to store your name and choice of pictogram. Example: “Bedroom.”
Once it has been saved, the newly created room is shown in the “Rooms” menu.

Complete the changes by clicking on the checkbox symbol at the top right. You then leave edit mode.

8.2.2. Deleting a room

To delete a room, activate the edit mode by clicking on the pencil symbol at the top right in the “Rooms” menu.

Two pictograms are shown above each available room. The symbol with the horizontal line is used to delete a room. If it is clicked, the following display is shown:
Confirm the deletion of the corresponding room by clicking on the orange “Delete” field. Then exit the edit mode by clicking on the checkbox pictogram at the top right.

Before the room can be deleted, all paired devices that have been assigned to the room must also be deleted. If this is not done, an error message is shown:

![Error message](image)

For this reason, delete any devices contained in the room beforehand:

![Options for rooms](image)

Alternatively, the devices paired to this room can be edited and assigned to a new room (see “Editing paired devices”).

8.2.3.  Editing a room

Change to the edit mode for rooms by clicking on the pencil symbol at the top right.

A gear symbol is shown above the existing rooms. Click on this symbol. You are then shown a display for changing the room name and pictogram.

![Room settings](image)

If necessary, you can change the room designation or pictogram in the same way as you create a room. Choose “Save” to exit the menu and return to the room edit mode. Complete the changes by clicking on the checkbox symbol at the top right.
8.2.4. Pairing devices

If you would like to pair a device, click on the pencil symbol at the top right.

**Note:** For pairing and using devices, Bluetooth must be activated in the system settings of your smartphone or tablet PC/iPad.

In this way, you enter the edit mode for the rooms. Now click on the room to which you wish to add another device. At the end of the list of devices already assigned to the room, the entry “+ Add new device” is shown.

Click on the entry “+ Add new device.” You then enter the pairing mode:

First enter a name for the new device (max. 14 characters are possible) and select a suitable pictogram if required. When you click on the empty circle field, a selection menu is shown:
Note: The pictograms are only used to improve orientation and simplify the use of the app. No control functions or specific settings are associated with them.

The entries “Select room”, “Select system” and “Designation” are already pre-set and do not need to be changed. You also have the possibility of adding useful notes to the new device (e.g. to differentiate between similar devices in the room). To add notes, click in the field “Description” and enter your text.
Then click on “Synchronise device.” The device search procedure is initiated. For this, devices already paired to this smartphone or tablet/iPad are hidden. It is not necessary to connect via the system menu of your smartphone or tablet/iPad (standard pairing).

Please note: Before starting the search and using the control system, ensure that Bluetooth is activated on your mobile device in the system settings. Otherwise, it will not be possible to find any devices.

Devices that have already been paired by a user can be paired to any number of additional smartphones or tablets/iPads. Please note, however, that the device to be searched must not currently be in active use by another smartphone, tablet/iPad or remote control, as it then cannot be displayed in the search procedure. For this reason, please end all control processes on other smartphones, tablets/iPads or remote controls that include the device to be paired.

If several devices of the same type are to be paired, it is advisable to do this one after the other, in order to avoid confusion in the list of devices found. Should this happen, please refer to the item “Editing paired devices.”

After confirming with “Ok”, the search process is started.
When the search process is complete, a list of available devices is shown.

Select one of these devices and conclude the pairing procedure with “Ok.”

**Note:** The “Lamp W” shown in the example does not define whether the device to be paired is specifically a lamp, a luminaire or a controller that can e.g. operate LED strips. This text is merely an indication to differentiate the types according to their technical function (dimming, switching and dimming, change of light colour from warm to daylight white, RGB …). This is why different products with the same control properties are shown with the same text in this display.

Your new device has now been paired and will be displayed in the corresponding room. Exit the edit mode by clicking on the checkbox symbol.

### 8.2.5. Deleting paired devices

Activate the edit mode for rooms by clicking on the pencil symbol at the top right. Select the room in which the device you wish to delete is located.

Three symbols are shown above each device. Select the symbol with the horizontal line to delete the corresponding device. An orange “Delete” field is shown.
Click on this field to finally remove the device from the device list of the corresponding room.
Complete the edit procedure by clicking on the checkbox symbol at the top right.

Please note that a deleted device can no longer be accessed directly by your app and is also deleted from the “Favourites” menu and the moods. It can, however, be paired again later if needed. This is done as described under “Pairing devices.”

Because the devices you are already using are protected by the system password, you have to use your old system password when pairing them again. You can reset the devices to the factory setting by switching the power supply on/off quickly 3 times in succession. The system password is also required if the de-paired device is to be paired in a new system. Please remember this if you wish to re-use devices elsewhere.

8.2.6. Editing paired devices

You have the possibility of modifying devices that have already been paired. Here the name, pictogram and description can be modified. In addition, it is possible to change the room assignment.

To modify devices, activate the room edit mode by clicking on the pencil symbol. Then select the room containing the device to be modified. Click on the room to display the assigned devices. Three symbols are shown above each device field. Select the gear symbol to activate the input mask for modifying devices.
To change the room, a selection field is offered with the available rooms. Click on the new room in which you want to operate the device in future.

9. Operating the devices
The operation of the paired devices depends on their specific functionality. A distinction is made between the basic settings at the device itself and various options that can be called up in the control system. In the following, you will find notes on the operation of each device type. The device type is displayed in the pairing process, and the matching control menu is defined during pairing as described here. The fundamental assignment of the device type and operating menu cannot be changed. However, you always have the possibility of using suitable submenus, depending on the task at hand.

9.1. General notes on using devices

9.1.1. Activating the power supply at a lamp, luminaire or light controller

All lamps, luminaires or controllers are set to come on with maximum brightness and with warm white light (if available at that device) when the power supply is activated. This means that you have the possibility of using your existing wall switches or switches of floor and table luminaires as usual. When you enter a room and switch on the light, the full brightness is available to you. A memory effect is only activated if you switch the devices off and on again through the app or remote control.

9.1.2. Interruption of the power supply to a device

When the power supply is switched off, you cannot reach the devices with the remote control or your mobile device. In this case, the devices are displayed in grey in the app. An interruption of the power supply does not affect the configuration of the system on your mobile device or on the values stored on the device.

9.1.3. Devices out of range

If devices are out of Bluetooth range and cannot be found by your mobile device, they are displayed in grey in the app. If you wish to check this condition, click on the circular symbol with double arrow at the top right of the screen. This activates the search for devices within range and updates their status.

The range depends, amongst other things, on the layout of the rooms in which you are using your devices. If the devices are blocked off by walls or other objects, the range may be reduced considerably. When planning your control system, please ensure that all devices are reachable.

9.1.4. Memory effect of the remote control and the app control

If you switch off the devices using the remote control or the mobile device (i.e. app), the same settings are reactivated when switching them on again (= memory effect). This would is not advisable for switching on directly at the power supply, because “off” could be reactivated when switching on.

9.2. Time switching of devices

It is possible to set up a time switching for all lamps and luminaires. This option can be advisable, for example, for a presence simulation, for automatic processes or to safeguard fixed states (such as making sure that a device is always switched off after 11 p.m.).

Here, a time for switching on and/or off is defined in each case according to desired switching behaviour. Both values are saved by the relevant devices provided the power supply is not interrupted.

To set the time values and the switching behaviour, open the submenu by clicking the triangle symbol in the top right-hand side next to the device name. The “Time switching” entry appears grey clock symbol:
The grey clock symbol indicates that no time switching is currently activated on the device.

Click the clock symbol to open a menu for setting the switching times and the switching behaviour:

You now have the option of defining a permanent switch-on time and/or a permanent switch-off time for the device. To open the relevant selection field, click the hours or minutes display.

**Note:** It is generally advisable, but not mandatory, that the switch-on time is before the switch-off time. Depending on the particular application, the times can be defined individually, jointly or in a random sequence.

When you have set the desired time, click "On" to activate the switching time.
For dimmable devices, you can also set a switching behaviour. Devices that can only be switched do not offer additional selection options. Click the field with "Switch immediately" defined as default. A corresponding selection menu appears:

You can use these settings to define a slow dimming up of the brightness during switching on or a slow dimming down during switching off. During switching on, the devices are generally set to a warm white light colour and full brightness. With the time switching of devices it is not possible to also programme moods. This is only possible using the Paulmann gateway.
Close all settings by clicking "Save" at the bottom of the screen. A red-coloured clock symbol now appears in the submenu, indicating that the time setting has been set on the device.

9.3. RGBW devices

In the preview menu, RGB and RGBW devices are displayed in the same manner. If different displays are shown, the device is probably only an RGB device rather than an RGBW device. In particular, RGB devices do not support the colour temperature in the white tone, the effect mode, and the effect speed.
From the preview menu, you can access several different options:

9.3.1. Main menu for operating RGB devices

Click on the device name or the device symbol: The main menu for operating the RGBW device appears. Depending on the control command last activated in the RGB mode or in the WHITE mode, the display may offer pre-set white tones.

The main menu groups together all the control options; besides the switching status on/off, colour, white tone and brightness, you can set effects with the corresponding speed.

9.3.2. Submenu for RGBW control

Click on the triangle/angle symbol: A submenu is shown within the device display. We recommend this approach if you wish to switch quickly between various devices (e.g. when defining a mood etc.).
With this submenu, you have access to all the main control functions of the RGBW lamp.

From this submenu you can access several different options:

9.3.3. Changing the RGB colour selection

You can switch to the RGB colour selection …

9.3.4. Selecting a fixed white tone

… or to the selection of a fixed white tone, within a Kelvin range from approximately 2,400 K to 5,000 K.
9.3.5. Effect mode

For the effect mode, a selection field is opened:

9.3.6. RGB colour selection

With one click in the preview menu, you also have the option of changing directly to the RGB colour selection. Switching, dimming and effect selections are not offered here; they must be called up in the manner described above.
9.4. RGBW devices

In the preview menu, RGB and RGBW devices are displayed in the same manner. If different displays are shown, the device is probably an RGBW device rather than an RGB device. In this case, please refer to the description of the RGBW devices.

From the preview menu, you can access several different options:

9.4.1. Main menu for operating RGB devices

Click on the device name or the device symbol: The main menu for operating the RGB device appears. Here you have the possibility of changing the switching status and of selecting colour and brightness.
Note: RGB lamps cannot provide a pure white colour. The white tones shown at the top in the colour field only represent a mixture of colours from the RGB LED chip. Better results can be obtained with RGBW devices.

9.4.2. Submenu for RGB control

Click on the triangle/angle symbol in the preview menu: A submenu is shown within the device display. We recommend this approach if you wish to switch quickly between various devices (e.g. when defining a mood etc.).

With this submenu, you have access to all control functions of the RGB device, switching and dimming status, and colour selection.

From this submenu you can access several different options:

9.4.3. RGB colour selection

You can switch to the RGB colour selection.
9.5. Tunable white / devices with adjustable white tone

Device that support tunable white, i.e. an adjustable white tone, are often displayed in the menu as a “CCT device.” In all cases, this differs from the colour representation of the RGBW devices, where the white tone is produced from a mixture of a white LED chip and additional light from the colour chips. Tunable white, however, is mixed from two white LED chips with different colour values. This results in a continuous mixture of colour values.

The preview menu for tunable white is displayed as follows:

From the preview menu, you can access several different options:

9.5.1. Main menu for tunable white

Click on the device name or the device symbol: A main menu appears with all control options for tunable white devices that supports colour value, brightness and switching status.

9.5.2. Brief menu for tunable white

Click on the triangle/angle symbol in the preview menu: A brief menu for tunable white appears in the device overview.
From there, you can access menus for selecting a white tone.

9.6. Dimmer

Dimmable devices are shown in the menu preview as follows:

9.6.1. Controlling dimmable devices

Click on the device name or the device symbol: The main menu opens with all control options for dimmable devices that supports brightness and switching status.
9.6.2. Brief menu for dimmable devices

Click on the triangle/angle symbol in the preview menu: A brief menu for dimmable devices opens in the device overview.

![Dimmable lamp](image)

9.7. Switches

Devices that have only a switching function are shown in the menu preview as follows:

![Lamp](image)

9.8. Updating device status messages (bidirectionality)

For the normal transmission of commands to a lamp, luminaire or controller, the signals are transmitted by the smartphone and a return message is also expected from the device to be controlled. When this is received, the status display changes. If, in the meantime, changes were made to lamps, luminaires or controllers by remote control or by other smartphones etc., the last status display is no longer up to date.

It is therefore possible to query the current status for all lamps, luminaires and controllers that are paired in a system. To do this, click on the symbol with the two circular arrows at the top left of the screen. When the device search is complete, all devices are shown with their current status.
Note: Under certain circumstances, the status update can take a while because the system tries to find all devices. Devices that, for example, have been separated from the mains supply or are located at a distance are queried several times.

10. Using the remote control

The remote control is used to operate the basic functions of lamps, luminaires and controllers. If you wish to use an extended functionality, you can achieve this with the aid of the app.

10.1. Pairing the devices to the remote control
Only one remote control can be paired per lamp, luminaire or controller. Activate the power supply of the devices you wish to pair in a common group. During this time, all other devices should be disconnected from the mains supply or should be located out of range. Press and hold the desired group key (1–6), until the lamps or luminaires go dark. They are now paired within one group and permanently linked to the remote control.

Repeat this procedure to assign the other group keys as required. Ensure that the devices that are not to be paired in another group are disconnected from the mains supply. Each device can only be assigned to one group key.

10.2. Changing the assignment of group keys 1–6

To change the groups for the same remote control, activate the power supply to the devices you wish to pair to a new group key. All other devices should remain disconnected from the mains. Press and hold the desired group key (1–6), until the lamps or luminaires go dark. They have now been paired to the new key.

10.3. De-pairing the devices from a remote control

If you wish to use a different remote control for a device, you must first de-pair the device from the remote control. To do this, you have to reset the device to its factory setting by switching its power supply on and off 3 times quickly in succession.

Important note: Please note that this will cause all other settings to be reset, and that the system password must be paired again for that device by using the app!

10.4. Using several remote controls in a system

Only one remote control can be paired per lamp, luminaire or controller. If you wish to use several remote controls in a system, you must first decide which remote control is to be used for which device. When pairing the corresponding remote control, ensure that only the devices that are to be paired are within range and connected to the power supply.

10.5. Locking a remote control

If you do not want to use one or more devices with a remote control, you can block remote-control access to these devices in all cases. This can be useful, for example, when you want to prevent alternating use of the app and remote control or when you do not want other users (e.g. neighbours) to have any access to these devices with third-party remote controls.

Set up the lock by searching for the relevant device in "Rooms" and clicking the pencil in configuration mode. Click on the gear symbol and select "Advanced settings".
A window appears with the option of setting up the locking of the remote control. To modify the selection, click in the pre-assigned field:

**REMOTE CONTROL OPERATION**

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Select the desired option:
Save your setting to the remote control:

Save the overall device setting and exit the configuration mode by clicking on the checkbox symbol at the top right.
You can enable operation with the remote control again on the device in the same way. If the settings are reset by switching a device on and off three times, the locking information for remote controls is also lost (default permits remote control operations).

11. “Moods” menu

With “Moods”, you have an ideal option of defining entire lighting scenes for your home and activating them with a tap of your finger. To create your own moods, click on the “Moods” pictogram at the bottom left.

11.1. Setting up moods

When you change to the “Moods” menu, you will find the mood “All off” already defined. All the devices you have already paired are automatically entered into this mood.
To create more moods, click on the pencil symbol at the top right. By doing this, you change to the configuration mode.

At the bottom of all moods, you will find the field “+ Add more moods.” Click on this field to open the menu for creating moods.
Enter a suitable name for the new mood. If you wish to define similar moods in different rooms, it will be useful to make a note about the room. Select a pictogram for the mood if required.

**Note:** The pictograms are only used to improve orientation and simplify the use of the app. No control functions or specific settings are associated with them.

Then save your settings:

In the next step, you can select the devices that are to be included in the mood: Click on “+ Add new device.”
Please ensure that all devices that are to be used in a mood are all within range of your mobile device. Otherwise, it will not be possible to send the control commands to all devices at the same time. It is therefore advisable to use only devices that are situated in the same room. Depending on your use of the “Rooms” functionality, however, it may be necessary to place devices from several rooms in one mood (e.g. for a combined living/dining room or a kitchen open to the living room that you have defined as separate rooms).

If no device is displayed, then you will first have pair devices, as described in the operating instructions under “Rooms – Pairing devices.” Available devices are listed under the corresponding rooms to which they were paired:
Click on a room name:

Select the properties you wish to control in your mood. This selection can be made in various ways, depending on the objective of your mood. As a basic rule, it is advisable to choose only the properties that are needed for setting the mood. However, the option “On/Off” must always be selected, so that the other settings can be activated. If, for example, you wish to define a mood called “Living room all on”, then it is enough to activate only the “On/Off” option:

Now complete the creation of the mood by clicking on the checkbox symbol at the top right.

11.2. Moods: Setting the desired device values
Moods use individually defined final values for each device. After you have created the mood, you can define control values for the individual devices included in the mood. In a particular mood, you can define, for example, that the living room reading lamp is switched on, a table luminaire is dimmed 30% and LED strips behind the TV are activated with a soft colour change.

Switch to the configuration mode by clicking on the pencil symbol at the top right.

Now click on the mood that is to be changed and edit the value settings you activated when creating the mood:

Save your changes and exit the configuration mode by clicking on the checkbox symbol at the top right.

**Note:** Automatic saving of moods is not provided, because then all actuators that are connected to the mains at the time of saving would be included randomly in a mood – also those unrelated to the intended control purpose or room in which the mood is to be applied.

11.3. Using moods

You have set up the moods and defined the fixed final values you require in the mood. Now all moods can be activated as need. If you wish to “switch off” moods, the corresponding counterpart must be created as a separate mood.

To activate a mood, click on the “On” symbol at the right, next to the mood name.
11.4. Changing or deleting moods

Mood can be changed or deleted in the configuration mode. Click on the pencil symbol and choose the mood you wish to change.

By clicking on a device name that is shown in this mood, you can edit the desired final values of the device.

Click on the gear symbol above the mood field to change the icon and name of the mood.

You can add more devices at the end of the device list of the selected mood by using the field “+ Add new device” (see Setting up moods).

If you wish to add additional properties to a device that is already included in a mood, choose “+ Add new device.” As the next step, select the room in which this device was paired and then select the device itself. Mark the desired additional properties by clicking on the corresponding “grey corner.”

To delete a mood, click on the “Delete” symbol in the middle. A “Delete” field is then displayed. Please consider carefully before you delete a mood. There is no way of undoing this step.

Save your changes and then exit the edit mode by clicking on the checkbox symbol at the top right.

11.5. Checking device assignment to moods
If you have created a lot of devices and moods, it can be difficult to discern which devices are used in which moods. If you want to check this, you can look in the settings of the relevant device.

To do this, switch to the "Rooms" menu and activate the configuration mode by clicking on the pencil symbol at the top right. To open a display or change option of the device settings, click on the gear symbol for the relevant device. In "Links", you find the link to display the moods in which the respective device is used.

Click on "Moods with this device", to open the corresponding overview. However, use the Moods menu (refer to the “Changing or deleting moods” section in this case) to make changes to the device use:

Click on the arrow in the top left to go back to the device configuration and complete the step there by clicking on the checkbox symbol at the top right.

12. “Favourites” menu

The Favourites menu differs fundamentally in one aspect from the Rooms or Moods menus because it does not allow you to switch to the configuration mode.
All entries in the “Favourites” menu are populated from the other configuration sections.

If no favourites have been created, the selection areas are empty:

12.1. Defining moods as favourites

First change to the “Moods” menu, and there activate the configuration mode by clicking on the pencil symbol. Now click on the name of the mood you wish to define as a favourite.

Above the selected mood, a star symbol appears. Click on this symbol. The grey star symbol is now highlighted in colour. Save your changes and exit the configuration mode by clicking on the checkbox symbol at the top right. Your selected mood has now been entered into the Favourites menu.
Note: As the Paulmann Bluetooth app is operated locally on your mobile device and is not managed centrally, the favourites for each mobile device are identical for all users of the same device. It is possible to define other favourites for other mobile devices.

12.2. Defining devices as favourites

Change to the “Rooms” menu and activate the configuration mode by clicking on the pencil symbol at the top right.

Select the device you wish to define as a favourite by clicking on the room name and then on the device name. The grey star symbol is now highlighted in colour.

Save your changes and exit the configuration mode by clicking on the checkbox symbol at the top right. Your selected mood has now been entered into the Favourites menu.

Change to the “Favourites” menu and you will see the devices you have selected:
12.3. Deleting favourites

The devices paired for each room and the set moods remain unaffected by the deletion of favourites. Switch to the corresponding configuration area, as described under “Moods” or “Defining devices as favourites”, and deactivate the star symbol. Instead of being highlighted in colour, it is shown grey again and the entry in favourites is deleted. Save your changes and exit the configuration mode by clicking on the checkbox symbol at the top right.

13. “Settings” menu

You have several options in the “Settings” menu. Click on the symbol with the three horizontal lines at the bottom right:
Click on “Settings” to display further options:

13.1. User settings “Users”

When the app was first set up, at least one administrator required for configuring and operating the system was created. You also have the possibility of creating other users with or without administrator rights on a smartphone, tablet PC or iPad. As the Paulmann Bluetooth app is operated locally on these devices, such a setting only makes sense if the mobile device is used jointly by several persons. If you are unsure, we recommend to create a “user without administrator rights”, to make sure that changes to the configuration are not made by accident.

Administrator rights cover the entire configuration process, such as the creation of rooms, moods and favourites, the pairing of devices, and other changes to the settings. Moreover, the administrator is given access to the entire scope of operating functions.

Users without administrator rights cannot change the configuration, but they can carry out all operating functions, i.e. control the moods or individual devices in the “Rooms” or “Favourites” menu.
You can call up the “Users” menu by clicking on the symbol with the three lines at the bottom right of the screen. Then select “Settings – Users”.

Users with administrator rights are shown with a “crown” in the preview. Select one of the existing users for editing, or click on the + symbol to add a new user.

**Note:** To be able to use the app, all users must agree to the GTC.
In the edit menu of the users, you can modify the name or password through a new entry, and grant or delete administrator rights.

In addition, the edit mode gives you the ability to delete users that have been created previously. To do this, click on “Delete user” and then confirm your input with “Yes”, if this is correct. Deleting a user has no effect on the remaining configuration in the Paulmann Bluetooth app.
13.2. Bluetooth

You have the option to change the system password and the operating mode under "Settings", "Bluetooth" menu. The mode of operation and meaning of the "System password" and "Operating mode" entries has already been described in the section "Setting up the app for the first time".

13.2.1. Changing the system password

It is recommended that you consider carefully before changing the system password of a successfully setup configuration. One reason could be to divide an existing system into two independent areas that are to be operated as two separate systems in future. In this case it is necessary and advisable to set up a new password for some of the devices.

The change process requires that all lamps and luminaires belonging to the system are paired to the new password. In addition, all mobile devices that are used to operate the system must also be converted to the new system password. If paired devices are not accessed during the conversion or are outside the range (appear in "grey" in the Rooms menu), the conversion will not be performed automatically and this will result in error messages.

To convert the system password, change the entry under "Settings – Bluetooth – System password", by overwriting the displayed value with a new password. Before changing the password, please make sure, if possible, that all devices that belong to the system are within range and that their power supply is switched on. You can recognise this if all available devices in all created rooms are active and not displayed in "grey".
Then save the new password.

An automatic change process now starts in which your mobile device's new password is transferred to all lamps and luminaires that belong to the system. Prior to this, it is ensured that these devices also have the authorization from the old password. The pairing of third-party devices is therefore excluded. This process can take some time to complete. During this period, the update symbol with the two circular arrows rotates at the top left of the screen.

If devices that are not within range are to be paired, the change is skipped for these devices. If these devices are actuated later, a “Incorrect lamp password” error message is output and you are prompted to enter the new system password.

When the automatic change process has been completed, all further mobile devices such as smartphones, tablets etc., used for system control need to be changed to the new password. The conversion of the system password is then complete.
13.2.2. Changing the operating mode

As described in "Setting up the app for the first time – Setting the operating mode", the operating mode is used to optimise control of smaller systems with not more than one mobile device and 6 paired devices. Do not change the basic setting if you are using more mobile devices for the control or more than 6 lamps and luminaires are operated in a system.

If you want to operate a small system, the speed is optimised by switching the operating mode (mobile device and lamps, luminaires etc. then remain in constant contact).

To change the setting, click on the "Operating mode" field and change the setting option:

Confirm the setting with "Save".

13.3. System
You can call up the system settings of the app by activating the symbol with the three horizontal lines at the bottom right. Then choose “Settings – System.” You now receive the selection “System info”, “Licences”, “Reset system” and “Backup / Transfer”.

13.3.1. System info

“System info” gives you details on the current app version installed on your smartphone, tablet PC or iPad, the current system time and the system date (which are important for control purposes), together with details on the active user of the app, etc.

If you use other services (e.g. for remote access to your control system while “on the go”), you will also find additional entries and information here.
13.3.2. Licences

In the "Licences" area, you find legal notices about various software products and programming codes protected by copyright law that we integrated into the app.

13.3.3. Reset system

Under "Reset system", you have the following three choices:

Delete cache
Here you can clear your current device data as described under “Delete cache.” This can result in all devices in the system being switched on, since the data deletion is understood as a reset command on the control devices. Please consider this step carefully as the data cannot be restored automatically.

Reset app data

Here you can clear your current device data as described under “Delete cache.” This can result in all devices in the system being switched on, since the data deletion is understood as a reset command on the control devices. Please consider this step carefully as the data cannot be restored automatically.

Factory settings
Here you can clear your current configuration as described under “Factory settings.” Please check this step carefully. It is best to create a backup file to save your configuration as described in "Backup / Transfer". After resetting to factory settings, you can then use this file to restore the configuration (rooms, devices, moods etc.), if necessary.
13.3.4. Backup / Transfer

In the case of systems with lots of lamps, luminaires and mobile devices, it can be time consuming to create the configuration again and again for each mobile device. If you do not want to switch to the Paulmann system with gateway in this situation, you have the option of setting up the complete configuration once on one mobile device and then transferring it to other devices using a backup file. You can set up the configuration on any Android or Apple device and transfer it other mobile devices of one type or the other.

In addition, the backup is used to save data, for example in the event of accidental data deletion, loss of or damage to a mobile device, in order to be able to quickly restore the data on a replacement device.

To set up, load or manage a backup file, select the "Backup / Transfer" option under "Settings – System".

**Setting up a backup file**

To set up a backup file, you need a connection to the Internet. If necessary, activate your WLAN function. When transferring package data via your mobile network operator, remember that additional data fees may be incurred! The scope of the data transmission depends on the scope of your system and the data stored (rooms, moods etc.).

**Notes on data protection:** The data is transmitted encrypted and without access option from our side. The method of transfer to a server is due only to technical reasons, as you are offered not just a simple handling but an option to transfer between different operating systems (from Android to Apple devices and vice-versa) is also supposed to be supported. More information on data protection and data security is available in these operating instructions in the "GTC" section and in the Internet at https://de.paulmann.com/smarthome-policy.

When you have established a connection to the Internet, click on "Start backup". You now need to enter and confirm a password for the data backup. Please make a note of the password you specified, otherwise you will be unable to restore and manage the file!
Note: Please note the warning in the app stating that older backups will be automatically overwritten by the new data backup. It is not possible to manage various configuration restore points side by side.

Important: Please also note down the names of the users and their passwords created in the app and valid at the time of the data backup, at least however one user with administrator rights. As these data are an integral part of the configuration, they will be reactivated during the later restoration of the backup and will overwrite newer information that has been changed in the meantime. Access to the app is then only possible via the old data!

Enter your individual password for data backup, note this down and click on "Transfer data backup":

Password:
********
Repeat password:
********

Transmit backup
If the transfer was successful, you will receive a personal ID number in the app.

Please note down this ID number, for example, by using the copy function next to the field. Press the "Copy symbol" to the right of the ID entry:

You can then paste the ID elsewhere and back it up long-term (e.g. in a note app; paste, save or send it in an email).

**Important:** To restore or manage your backup file, the ID number is needed alongside the password.

If the transfer fails, you receive a corresponding error message. Check in particular if there really was an Internet connection and repeat the process:
Restoring a backup file

Before you restore a backup, make sure that all required data are available:

- ID number of the backup
- Specified password of the data backup
- The name and user password of at least one administrator at the time the backup was created.

If this information is available, you can start the restoration process. Call up the following menu under "Settings – System - Backup / Transfer":

Click on "Restore backup" to reactivate an already created backup file on the same mobile device (e.g. after restoring the factory settings etc.) or to transfer the backup of another mobile device to a different/new device.

**Note:** Please note that all data of the current configuration will be overwritten by the restoration of a backup. A partial transfer of the backup for specific areas of the configuration (only users with password, only paired devices, only rooms, only moods etc.) is not possible!

An input screen appears for the ID number of the backup and for your specified data backup password.
The simplest procedure is now to copy the ID number stored in a memo or email and paste it into the data field:

Also add your specified password for data backup (this is the password that was entered to create the backup; the user password that is used for the app login cannot be used for this purpose).
Then click on "Restore data". You will receive a confirmation when the backup has been uploaded and the configuration has been replaced. Now, click on "Finish" to complete the process.
Deleting a back file

If you no longer need the backup file or want to delete this for data protection reasons (e.g. the mobile device is being sold to a third party), you can do so with the "Delete backup" function. Please keep in mind that we at Paulmann have no access to your data and therefore cannot delete any data without ID number. If you have questions regarding data protection or data backup, do not hesitate to ask us at info@paulmann.de.

To delete an existing backup, call up the following menu under "Settings – System – Backup / Transfer" and click on the triangle symbol next to the grey "Delete backup" field:

To start the process, select "Delete backup":

Enter the ID number or copy and paste it from where you have stored it. In addition, enter your specified data backup password that you used to create the backup.
You can now delete the old data backup. The backup cannot be restored again. However, you can create a new backup at any time, if needed.

13.4. GTC

You can call up the GTC by activating the symbol with the three horizontal lines at the bottom right of the screen. Then select “Settings – GTC”. Your consent to our GTC is needed during the initial setup and whenever a new app user is created.

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GTC

Terms of use and privacy statement for the Paulmann Licht app
- 2016 Feb 19th -

A. Paulmann Licht GmbH terms of use

By using the Paulmann Licht GmbH app (hereinafter referred to as the “app”) and clicking the “accept” button, you (hereinafter referred to as “the user”) enter into the following binding agreement with Paulmann Licht GmbH, Gutenberg Fer 2, 31102 Springe, Germany. Tel.: +49 (0)5641 998 - 0; info@paulmann.de (Paulmann Licht) regarding use of the app:

I. Description of the service

1. The Paulmann Licht app is an innovative application that is offered free of charge and currently provides the following key services (services):

   * Controlling Paulmann Licht devices
   The app allows you to expand the available range of functions of lamps, luminaires and other types of actuators, such as adapters or controllers, in order to operate lighting solutions by Paulmann Licht (devices). Several devices can be assigned according to customized configurations, for example by room, and you can define and activate lighting scenes from within the app. Depending on the type of product and its range of functions, the app enables you to dim devices as well as switch the colour change and automated light effects on and off.

2. The app was developed and refined for the purpose of...

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Please contact us if you have any questions or concerns regarding our app GTC or privacy policy
info@paulmann.de

However, it is necessary to consent to our GTC in order to use the app. For legal reasons, it is also necessary for every individual user you have created to give their consent (for example, in the case of several users sharing a house/apartment). If you do not wish to issue such consent, you can use our remote control to operate your control system.

With regard to data protection, not only does Paulmann implement only the latest protective measures (data security) but we also expressly declare that we do not sell your data – to the extent that we are given access to personal data at all – to third parties or use such data for marketing purposes without your consent. Including, without limitation, Paulmann declares that our app only accesses the minimum necessary resources of your smartphone, tablet PC or iPad. We neither exploit e.g. telephone contact entries, nor do we track you by GPS or other methods. System functions are only used to the extent necessary to implement the functions of our app, e.g. access to date or time functions, where these are needed for controlling home automation (see “Operating of devices – Time switching of devices”). If, depending on the device in use, a message is shown to inform you that other functions of your smartphone, tablet PC or iPad are being used by our app, this is due to the bundling of system functions, which we cannot access separately for partial use of the necessary resources.

For more information on data protection, refer to our website at:
https://de.paulmann.com/smarthome-policy

Of course, your consent to the GTC in general is NOT understood as permission to use your data for marketing purposes or for sale to third parties.

In the event that you wish to use other services we offer (e.g. remote access to your control system or use of a back-up and transfer file of your configuration), it may be necessary to transfer data to us. This process is described in more detail in a separate arrangement and will only be activated after your approval. Moreover, if additional hardware is needed for such cases (e.g. a Paulmann gateway for remote access), you will find further information and notes in the relevant operating instructions and on our homepage.
Note: As far as the app stores of Google and Apple are concerned, the recording or usage of data trails, including, but not limited to, those arising during searches or when downloading our app, are entirely beyond our control. Please contact the responsible app store operator for further information.
13.5. Masthead

The masthead contains legal information on the distributor of the app. In this case, Paulmann Licht GmbH.

<table>
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<th>Masthead</th>
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| Paulmann Licht GmbH  
| Quezinger Feld 2  
| D-31832 Springe / Völksen  
| Germany |
| Phone: +49 5041 998-0  
| Fax: +49 5041 998-119 |
| eMail: info@paulmann.de  
| Web: www.paulmann.com |
| Geschäftsführer:  
| Detlev Paulmann (Sprecher)  
| Thomas Hamann  
| Dirk Oldenburg |
| Gesellschafter:  
| Paulmann GmbH & Co. KG |
| Handelsregister/ Amtsgericht:  
| HRB 101047, Amtsgericht Hannover |
| Ust.-Id. Nr. DE 11559096 |

13.6. Operating instructions / Help on the web

You can activate this operating instructions from within the app. Click on the symbol with the three horizontal lines at the bottom right and activate the “Settings” menu.

Please note that you need to be online to call up the help function. When doing so, you may incur additional charges from your telephone provider. Paulmann does not charge any fees for the use of the web help function.

The operating instructions are displayed through a web browser. You can therefore view the operating instructions more conveniently on a computer, etc.: https://de.paulmann.com/smarthome-app
13.7. Exiting the app

You can exit the app by clicking on the symbol with the three horizontal lines at the bottom right and activating the “Settings” menu. Here you will find the command “Logout.”
14. Error messages / Malfunctions

14.1. Problems starting the app – app password is incorrect

- When you start the app for the first time, it is enough to click on “Login.” However, if you clicked on the default username “Admin” instead of “Login” when first starting the app, the password cannot be changed yet. When starting the app for the first time, please use the standard user password “Admin” here (note the use of upper case). As the next step, you should change this password.

- After a backup has been restored or transferred to a new mobile device, the user data and the user passwords are also overwritten. Accordingly, please use the passwords for the login that were valid when creating the backup file.

14.2. Pairing a device

You would like to pair a device, but it was not found during the search?

- Please ensure that you have activated Bluetooth in the system settings.
- Check whether the device was not already paired to your smartphone, tablet PC or iPad under a different room. In this case, change the device settings to the new room and abort the pairing process.
- Check that the device to be paired has the correct system password. If you are unsure, reset the relevant device to its factory setting by switching its power supply on/off 3 times rapidly in succession, and then repeat the pairing process. Please note that you will also have to pair a remote control again.
- Ensure that the device being searched for is located within range of the smartphone, tablet PC or iPad on which you are performing the pairing process.
14.3. Unexpected device actions

- Check if a time setting was activated on the respective lamps and luminaires.
- Keep in mind that settings on the lamp or luminaire can get lost when the power supply is switched off. When the power supply is switched on, the lamps and luminaires are set to start with full brightness and warm white light.
- Check the moods specified for the respective device in device settings ("Rooms – Device display"). To do this, switch to the configuration mode and click on the gear symbol next to the device. In "Links", you can find the link to the moods in which the respective device is used.

14.4. Controlling devices by remote control

When using the remote control, you are not able to control a device or pair it to a control group?

- Check to see whether you are within range of the device to be controlled with the remote control. If necessary, reduce the distance or remove obstructions that may reduce the range of the remote control.
- If you have several remote controls in use, please check whether the device to be controlled has already been paired to another remote control. If you are unsure, reset the relevant device to its factory setting by switching its power supply on/off 3 times rapidly in succession, and then repeat the pairing process. Please note that you will also have to pair the relevant device in the app again.
- Check if the respective devices were locked for use with a remote control.

Have fun! Your Paulmann Licht Team