

user manual / overview

- **Definition of a user guide (manual)**
- **Contents of a user guide**
- **General guidelines for user manuals**
- **Example(s) of different mood light user guides**
- **User guide for your mood light**

Definition of a user guide

- A user guide or user's guide, also commonly known as a manual, is a technical communication document intended to give assistance to people using a particular system.
- It is usually written by a technical writer.
- User guides are most commonly associated with electronic goods, computer hardware and software.
- Most user guides contain both a written guide and the associated images. In the case of computer applications, it is usual **to include screenshots of the human-machine interface(s)**, and hardware manuals often include clear, simplified diagrams. The language used is matched to the intended audience, **with jargon kept to a minimum** or explained thoroughly.

Contents of a user guide

The sections of a user manual often include:

- A cover page
- A title page and copyright page
- A preface, containing details of related documents and information on how to navigate the user guide
- A contents page
- A guide on how to use at least the main functions of the system
- A troubleshooting section detailing possible errors or problems that may occur, along with how to fix them
- A FAQ (Frequently Asked Questions) page
- Where to find further help, and contact details
- A glossary (or an index for larger documents)

General guidelines for writing user manuals

- Provide a real (physical) user manual with the product: don't make people read a pdf.
- Make sure the instructions actually map on to the product in all respects.
- Include a **one-page quick start guide**.
- Present instructions as **step-by-step** procedures.
- Tell the user what functions there are, and what they are for — not just how to use them...
- ...but avoid marketing waffle (the user has already bought the product!)

General guidelines for writing user manuals

- Ensure that the writers are part of the product design team.
- Write the user manual in sync with the product's development timeline — not under pressure of shipping deadlines.
- Make sure **the writers have the product, understand the product, and actually use the product as they write.**
- Consider **users with special needs** (i.e., low vision, colour-blind) and provide alternative manuals in Braille, large print, audio etc.
- **User-test** the product and the user manual **with real users** (including ~~disabled~~ users).

Tips on how to write better user manuals →

<https://www.userfocus.co.uk/articles/usermanuals.html>

Example: Lengthy user guide for the Elgato Avea dynamic mood light

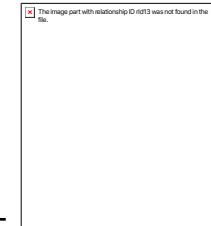


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Elgato Avea

Transform your home.

Elgato Avea transforms your home with beautiful Dynamic Light Moods. Control your ambience from your iPhone or iPad and unwind in one of the carefully crafted settings with subtly changing light.

Rise and shine.

After a relaxing evening, simply set your alarm using the built-in wake-up light scene. With Elgato Avea, rise and shine along a natural sunrise, right in your bedroom.

Smart technology.

Elgato Avea connects directly to your iPhone or iPad using Bluetooth Smart technology, without requiring additional gateways or bridges. But it doesn't stop there: once you have chosen a Dynamic Light Mood, the smart LED lightbulb will take care of the rest, not requiring a constant connection to your iPhone or iPad.

Connect more than one Elgato Avea, and they will automatically coordinate their lighting to create an even more immersive atmosphere.

Supported Devices

Charge any device through USB

iPhone 4S or later
iPod touch (5th generation or later)
iPad mini
iPad Air
iPad (3rd generation or later)

with iOS 7.1 or later

Technical Specifications

- E27 / E26 / A19
- 7W LED
- 430 lm
- 3000K
- Warm White



Example: Lengthy user guide for the Elgato Avea dynamic mood light



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Download Elgato Avea

You can download the Elgato Avea app from iTunes.

You can use the App Store app on your iOS device - just search for "Elgato Avea".

You can also search for "Elgato Avea" using iTunes on your Mac.

The application is free to download.



Pairing Elgato Avea

To use Elgato Avea, you first have to make sure that Bluetooth is turned on for your iOS device.

1) Open the **Settings** app on your iOS device

2) Go to the **Bluetooth** section, and turn Bluetooth on

Now, your iOS device is ready to communicate with Elgato Avea.

Launch the Elgato Avea app for the first time, and you will see this screen:



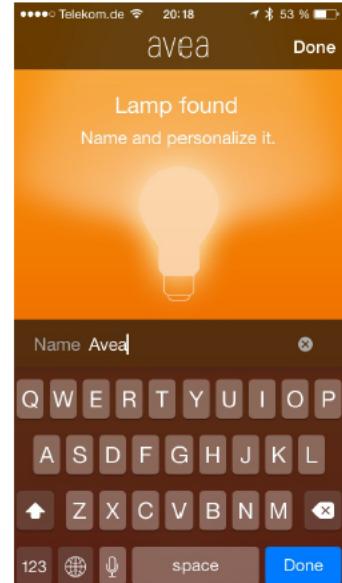
Put Elgato Avea close to your iOS device.

Switch Elgato Avea off and on again.

After a few seconds pass, Elgato Avea will pair with your iOS device, and show the main screen.

Naming Elgato Avea

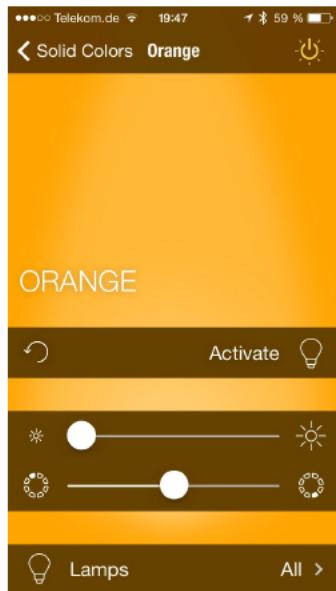
Once Elgato Avea is paired, you will be asked to name it.



Example: Lengthy user guide for the Elgato Avea dynamic mood light



Choose the color you prefer, and then you will be given more fine grained controls.



Changing the Brightness

The slider determines the overall brightness of the Elgato Avea lamps associated with this color.



Move it to the right to increase the brightness.

Changing the Hue

The second slider changes the **Hue** of this color, shifting it to a "warmer" or "colder" variation of that color.



It starts out in the center. Move it to the left or right to make further changes.

Activating a Solid Color

If a **Solid Color** is not in use, then there will be an **Activate** button. Press that to turn on the **Solid Color**.

If the **Solid Color** is in use, then that button will change to **Deactivate**. Press that to turn off the **Solid Color**.

Going Back to Default Settings

If you move the sliders from their defaults, a circle/arrow icon will appear near the bottom of the screen, to the left of the **Activate/Deactivate** button.



Click on this icon to go back to the default settings for that **Solid Color**.



Associating Lamps

The **Lamps** section lets you either associate all available Elgato Avea lamps with this mood, or just selected lamps.

Example: Short user guide for the Philips Living Colors Micro simple mood light



User Manual *LivingColors* Micro



Getting started with your *LivingColors*

Unpacking and Installing

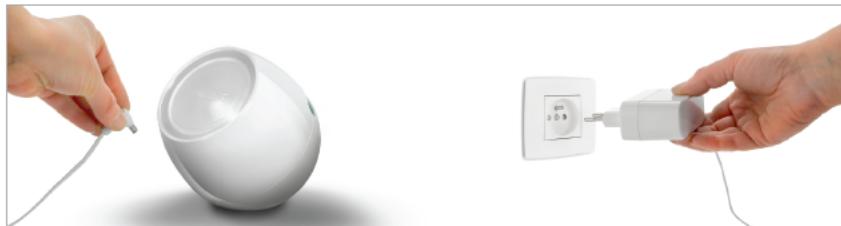
If you unpack a *LivingColors*, you only need to plug the cable into the back of the product, connect it to the power system and start the experience!



Step 1: Place your *LivingColors* in a selected location on a flat and stable surface and direct it to the wall.

Step 2: Plug the cable into the back of the product.

Step 3: Plug your *LivingColors* into the power system.



Example: Short user guide for the Philips Living Colors Micro simple mood light



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Basic functionality

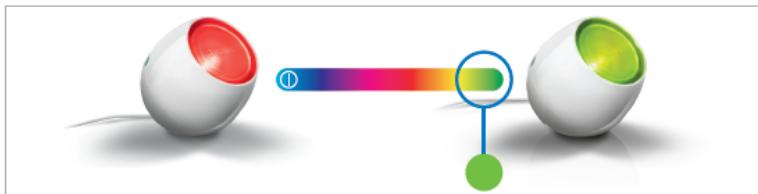
Turn the LivingColors "On" or "Off".

Your LivingColors can be turned "On" and "Off" by using the "I/O"-button on the back of the product or even by just selecting a colour on the colour strip. If you turn the LivingColors "Off", it will remember your last setting for the next time you use it.



Colour selection:

To let your LivingColors change to whatever colour you like, simply select the colour on the colour strip by touching it.



Extended functionality

Automatic Colour Change Mode:

You can also let your LivingColors change colours automatically. Hold the "I/O"-button on the back of the product for 5 seconds. The LivingColors will now start looping through the colours.

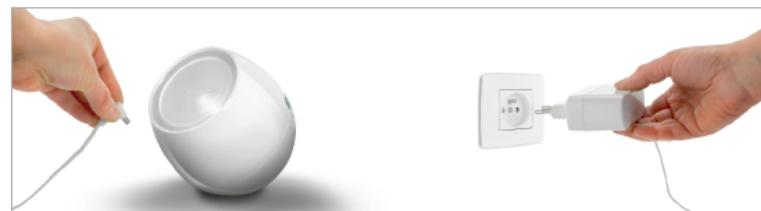


To exit the Automatic Colour Change Mode, simply use the "I/O"-button to turn the product off and select a colour to turn it back on. The Automatic Colour Change Mode is now stopped.



Problem solving

Reset the luminaire by unplugging it from the power network. Wait for 30 sec and plug it back in.



<http://www.philips.co.uk/c-p/7001831PU/livingcolors-table-lamp/support>

User guide for your mood light

We assume that

- the LEDs with the lampshade and the controller are a working unit
- the installation of the APP on your mobile phone must be explained in your user guide
- the user guide must describe all the functionality of your mood light
- the user guide should consist of **about 4 pages.**

Assessment criteria

- correct text (no spelling mistakes!)
- clear, simple instructions (*not necessarily perfect British/US English*)
- logical structure / flow
- attractive: easy to read / follow



ETP2 “MOODLIGHT”

User manual

Project report fourth semester electrical engineer, user manual

Explanations handling the Moodlight and his features.
Support: Andreas Ehrenspurger (eand@zhaw.ch)



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2 Supported devices

Android devices like smartphone or tablet.

3 Technical specifications

Input: 24VDC/830mA

Power: 17.28W

Din 8 pole output: 24V/720mA

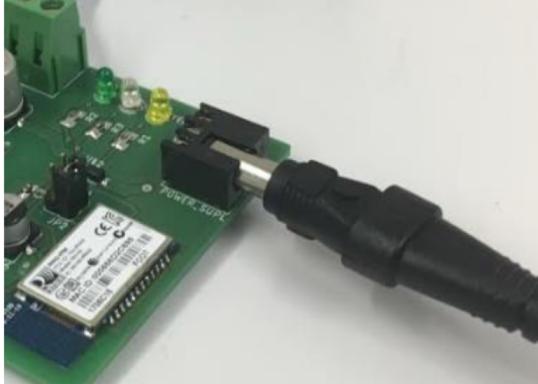
Lampshade Material: PLA

Lampshade Dimensions (L x W x H): 11cm x 11cm x 16cm

Lampshade Weight: 275g

Warm White: 6000K

4 Hardware Setup

4.1 Connect LED driver circuit with the connecting cable to the lamp shade	4.2 Connect the adapter with the LED driver circuit	4.3 Connect the adapter to an electrical outlet
		
Connect the lamp with the microcontroller via the grey connecting cable.	Connect the microcontroller with the power supply.	Plug in the adapter. There are three LEDs on the microcontroller. You did everything right, if the yellow one is glowing and the green one is blinking periodically.



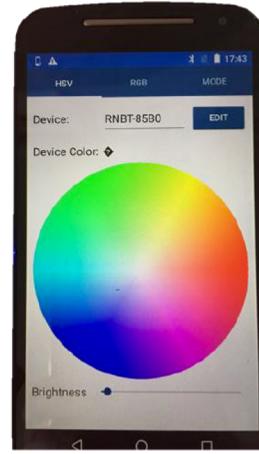
Warning! Do not touch any exposed wires, because of possible electric shock.
Assemble in a dry environment and avoid contact of electrical components with liquids.

!DO NOT LOOK DIRECTLY INTO THE LED'S WHILE THE MOODLIGHT IS ACTIVE, BECAUSE OF PERMANENT EYE DAMAGE!



5 Software Setup

There are two ways to control your new Moodlight. If you like to interact only with the microcontroller, follow the instructions in chapter 6. If you would like to control your Moodlight with a device go on below 5.ff.

5.1 Install the app on your device	5.2 Pair your device with the LED driver	5.3 Follow instruction user interface in chapter 7
<p>The app is not available in the Play Store.</p> <p>1. Step. "Download Files" Download the file "ETP2.apk" on your smartphone and remember your download folder.</p> <p>2. Step. "Enable Unknown Sources" Go to Settings, Security, Unknown sources: "<i>Allow installation of apps from sources other than the Play Store</i>". Enable the option and Click "OK"</p> <p>3. Step. "Install the Application" Open an explorer¹ and go to your folder you did the download of our application. Click on it to install.</p> <p>¹ If you haven't a File Explorer installed on your Android phone, go to Play Store and install one of your choice.</p> <p>After install the application, you have to look for the icon to the right.</p> 	 <ol style="list-style-type: none"> When you start the app, it will search for available Bluetooth- devices. Click on your device and start pairing². On your screen should pop up the normal code-pairing request. Click to agree. The pairing was successful if the blue LED is glowing permanently. 	 <p>Click on "OK" Now you're ready to change your Moodlight- colour. If you type in "EDIT" you get back in the device overview where you could change to another device.</p>

²If you do not know the number of your Bluetooth antenna, you can find it on the Bluetooth chip on the PCB

6 Controlling Moodlight via Microcontroller

There are two buttons "A" and "B" that will rotate the colours state. In each colour state, you are able to set the intensity of that colour from 0 to **maximum of 255** with the **Touch Slider**.

If you like to reset your Moodlight to default, you press the Reset Button "R".

You could only set red, green and blue. White will be calculated.

You get **255 white**, with **255 red**, **255 green** and **255 blue**.

There are two extended functionality states, "circle" and "pulse".

In the state "circle" the colours change automatically, it is possible to vary the value of the function with the Touch Slider.

In the state "pulse" the light start to pulse, use the Touch Slider to set the pulse rate.



7 Controlling Moodlight via App

When you start the app, it will look automatically for Bluetooth devices. After searching you could pair your Moodlight with the App.

It's possible to connect more than just one Moodlight.

For controlling there are two screens.

In the HSV screen you could choose a colour in the colour wheel. For setting the intensity a slider is implemented.

In the RGB screen you get the same options like on your Hardware. Again the white colour is calculated.

In the screen "MODE" there are two extended functionality, "circle" and "pulse".

With "circle" the colours change automatically, it is possible to vary the intensity of the light with the slider.

In the state "pulse" the light start to pulse. The colour is given by the previous setup.

8 Extended functionality

8.1 Multiple Moodlight

The app has the possibility to be connected with multiple Moodlight at the same time, and set different values for each one.

8.2 Automatic colour change mode

The automatic colour change mode can be set via microcontroller or via app, this function automatically changes the colour. Furthermore it is possible to vary the intensity of the light.

App: Go in the screen "MODE", touch "circle", with the slider is it possible to vary the intensity of the light. Touch "circle" again to exit this mode.

Microcontroller: Select the state "circle", the intensity of the light can be changed with the Touch Slider. Set 0 and change state to exit this mode.

8.3 Pulse mode

This mode can be set via microcontroller or via app, the light start to pulse and the pulse rate can be set.

App: Go in the screen "MODE", touch "pulse", with the slider is it possible to vary the rate of the pulses. Touch "pulse" again to exit this mode.

Microcontroller: Select the state "pulse", the rate of the pulses can be changed with the Touch Slider. Set 0 and change state to exit this mode.

9 Troubleshooting

If the Moodlight is not changing colour, please check that your devices is connected with its controller. If this is not the case, press the reset button on the microcontroller, as shown in chapter 6. For more information, contact the developers.

10 Frequently asked questions

The objective of this Moodlight is to create a different atmosphere in a room in many situations and add personality to an environment.

The entire lamp was made with a 3D printer in PLA¹material. The crystal was formed with a transparent PLA to aid with the diffusion of light. The crystal is fragile because it is very thin.

11 Technical support

For technical support, email us at

The rights regarding the PCB, the base part of the lamp and the app are reserved only for the developers.

¹ https://en.wikipedia.org/wiki/Polylactic_acid

Welcome to FABA Ambiance

Quick start guide

Congratulations on becoming an official owner of FABA Ambiance, a product that will let you experience stunning lighting moods by snapping together panels with ease.
But now, let us begin!

What you need to get started



1x FABA Control Box



10x FABA Panels



1x Connection Cable



1x Power Adapter



1x Tape



30x Screws & Dowels

Starting is easy...

On the next two pages, you find a quick guide which helps you in the set-up process.

Installing FABA Ambiance

- Mount your FABA Panels to your wall with the included screws or the 3M tape. Connect each FABA Panel to another via the pin headers. Please note, that every panel has one input (male header) and two outputs (female header).



- Connect the first panel to the FABA Control Box with the included connection cable.
- Connect FABA Control Box to your network with an ethernet cable.
- Plug in the FABA Control Box to your outlet by using the included power adapter.

Connecting your Device

- Open the browser (for example Chrome or Safari) on your Smartphone*.
- Type <http://fabalocal:8000> into the address bar.
- Add this page to your home screen:
 - iOS: Press (share) and then click on „add to home screen“.
 - Android: Press (options) and then click on „add to home screen“.

Done! The web app is now installed on your device. From now on, you can access the control by clicking on the created icon on your home screen.

*Note: You can also access the page from your computer by following the first two steps (see above).

Controlling FABA Ambiance

- Basics:**
 - On/Off switch:
 - By pressing the On/Off switch you can turn your FABA Ambiance on and off.
- Side-Bar:**
 - By pressing the menu button you can access different modes and the debug options (only for advanced users) and you can also change the language (EN/GE).

2. Set colors:

To change a color, press on a triangle. A color wheel appears and you can choose your color by sliding or clicking.



Note that a click locks the color until a next click is detected (shown by the little lock symbol .

There are two additional sliders for brightness and the amount of white light.

3. Modes:

- ONE COLOR:** In this mode, every panel has the same color.
- INDIVIDUAL COLORS:** Here, you can choose an individual color for each panel. For selecting a panel, use the / buttons.
- GRADIENT EFFECT:** This mode lets you choose two colors (displayed as two triangular shapes). The panels then automatically create a gradient from the first to the last attached panel.
- FADE EFFECT:** The panels fade smoothly from the first color to the second. The speed can be adjusted by using the slider.
- RETRO EFFECT:** The panels show random colors in retro-style. You can choose to change just one panel color a time or all panels at once.

FAQ

When I open <http://faba.local:8000/>, the webpage doesn't show up!

- Check if the power supply and the network cable are connected to the FABA Control Box.
- Ensure your phone is connected to the same network as the FABA Control box.

How many panels can the FABA Control box handle?

- The software allows for a maximum of 80 panels.

Can I connect multiple phones and computers to one bridge?

- Yes, you can connect multiple devices simultaneously. All devices can control the panels at the same time. New settings and colors get synchronized across devices.

SUPPORT

If you have any questions or you may need service contact the reseller you purchased the product from. Otherwise feel free to email us at:

fabaambiance@gmail.com

WARRANTY

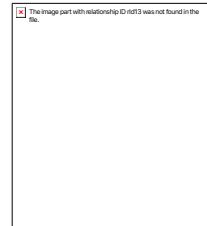
The Product comes with a limited 2-year warranty. The warranty covers any defects in material or workmanship under normal use during the warranty period. To obtain warranty service, you first must contact us. The product will either be repaired, or you will receive an equivalent refurbished replacement.

SHOW SOME LOVE

Share your masterpiece or leave a comment!



My assessment



	correct instructions	simple instructions	logical flow	attractive / content
UM 1	4	2	2	2.5
UM 2	4.5	4	4.5	3.5

Deadline to hand in your user manuals

→ lgtm@zhaw.ch

→ nusm@zhaw.ch