

5.5

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## **Philips Hue Integration Manual**



## **DELÉGO SERVER Visualisation webserver**

**EK-DEL-SRV01 / EK-DEL-SRV01-M**

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# 1 Introduction

## 1.1 Scope of this manual

This document contains all the information for configuring and visualising a PHILIPS HUE lighting system inside DELÉGO SERVER, the multiprotocol webserver for the connected buildings by EKINEX.

The present user manual is part of the suite of application manuals dedicated to the DELÉGO SERVER, available on the section dedicated to this product in the EKINEX website. Before reading this document, it is recommended to consult the following application manuals:

| REF  | DOCUMENT                                    | DESCRIPTION                                          |
|------|---------------------------------------------|------------------------------------------------------|
| [D1] | DOCUMENTATION PLAN                          | Overview of the application manuals of DELÉGO SERVER |
| [D2] | GENERAL FUNCTIONS - APPLICATION USER MANUAL | General installation manual of the webserver         |

These documents are available for download in the area of the EKINEX website dedicated to the webserver.

## 1.2 Conventions

The following conventions are used in this manual:

|                                                                                     |                                                                                                                                                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| [KEY]                                                                               | The keyboard keys that the installer must press are shown in square brackets                                                                    |
| <i>Courier</i>                                                                      | Software messages generated by the DELÉGO SERVER configuration software are reported in the “courier” font                                      |
| <i>Function name</i>                                                                | Names of buttons, table fields or other graphic elements of the user interface of the DELÉGO SERVER configuration software are shown in italics |
|  | Information note                                                                                                                                |
|  | Important note that requires particular attention                                                                                               |

## 1.3 Safety information

**DELÉGO SERVER is a product intended for trained and specialized personnel only;** anyone who interacts with the device must first read this documentation, especially this safety information. This document supplements and does not replace any legislation or legal directives on safety.

The device has been developed following the safety regulations currently in force; however, it is not possible to exclude with certainty possible damage or interactions with other devices during its operation. The device complies with EMC guidelines and harmonized European standards; any modifications to the device may affect EMC compatibility.

The supply voltage must be strictly within the range indicated in the GENERAL FUNCTIONS application manual and on the device; risk of fire or explosion if powered outside this range. The CE declaration of conformity of the device can be requested from EKINEX®, at the references on the site [www.ekinex-delego.com](http://www.ekinex-delego.com).



In compliance with Directive 2002/96/EC the DELÉGO SERVER electronic device must be disposed of in the appropriate facilities and not in the collection of solid urban waste.

## 1.4 Warnings

- This application manual is aimed at installers, system integrators and designers.
- The assembly, electrical connection, configuration and commissioning of the appliance can only be carried out by specialized personnel in compliance with the applicable technical standards and the laws in force in the respective countries
- Opening the appliance case causes the immediate interruption of the warranty period
- In the event of tampering, compliance with the essential requirements of the applicable directives for which the appliance has been certified is no longer guaranteed.
- EKINEX defective appliances must be returned to the manufacturer at the following address:  
**Ekinex S.p.A. Via Novara 37, 28010 Vaprio d'Agogna (NO)**

## 1.5 Copyright

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This application manual, the DELÉGO SERVER software and the DELÉGO iOS and Android apps are subject to copyright; all rights are reserved. Copying, reproduction, translation and/or modification, even partial, are expressly prohibited unless approved in writing by EKINEX®.

## 1.6 Open Source Licenses

DELÉGO SERVER contains open source software, such as the Linux operating system and its kernel. These software components are subject to various open-source licenses, including:

- GNU General Public License (GPL), <https://www.gnu.org/licenses/gpl-2.0.html>
- GNU Lesser General Public License (LGPL), <https://www.gnu.org/licenses/lgpl-2.0.en.html>

If you own a product, for a period of 3 years from the last production date, you can request from EKINEX the source code of the software components licensed under the GNU General Public License (GPL) or the GNU Lesser General Public License (LGPL), and use, distribute and modify them in accordance with the respective licenses.

EKINEX cannot be considered responsible in any way for the source code thus distributed, which is provided without guarantees. EKINEX cannot also be held responsible for any damage or consequence resulting from modifications (additions / removals) made to this software by third parties, unless specifically authorized.

## 1.7 More information

- For further information on the product, you can contact EKINEX technical support® to the e-mail address: [support@EKINEX.com](mailto:support@EKINEX.com) or consult the website [www.EKINEX.com](http://www.EKINEX.com)
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The company reserves the right to make changes to this documentation without notice.

# 1 Configuration

## 1.1 Introduction

DELÉGO SERVER can integrate one or more BRIDGES of the PHILIPS HUE lighting system into the supervision, allowing you to manage the lights as if they were KNX widgets, both in terms of visualization and automatisms such as scenarios, logic, planning etc...

## 1.2 Creating a bridge

Select the item

INTEGRATIONS > OTHER > PHILIPS HUE

and press the [+] button to add a new BRIDGE. Access your detail sheet and enter the following data:

|            |                                                                                                                                                                    |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NAME       | Assign an identifying name to the bridge                                                                                                                           |
| IP ADDRESS | Enter the IP address of the Philips Hue gateway<br><i>Note: You can find the IP address from the HUE app in the SETTINGS &gt; MY HUE SYSTEM &gt; ABOUT section</i> |

Press the CONFIGURE button and, in the side panel, the PAIRING button, after pressing the physical button on the gateway. The USER entry on the main screen is automatically filled in, and communication is started:

### Generic settings

General information

Name:

Communication

IP address:

User:

Execution state:

CLOSE

START

STOP

CONFIGURE

Dimming lights

1

ADD

REFRESH

| NAME | DEVICE ID | ADDRESS | ROOM |
|------|-----------|---------|------|
|------|-----------|---------|------|

RGB lights

1

ADD

REFRESH

| NAME | DEVICE ID | ADDRESS | ROOM |
|------|-----------|---------|------|
|------|-----------|---------|------|

Temperature lights

1

ADD

REFRESH

| NAME | DEVICE ID | ADDRESS | ROOM |
|------|-----------|---------|------|
|------|-----------|---------|------|

Push the button on the HUE bridge and press BIND



BIND

DISCOVERY

## 1.3 Discovery

Press the DISCOVERY button on the side panel to detect the lights in your PHILIPS HUE system; at the end of the procedure they are automatically reported in the following sections:

- **Dimming lights:** white lights with intensity adjustment only
- **RGB lights:** lights with color control
- **Temperature lights:** white lights with adjustment of intensity and white temperature

### Generic settings

General information

Name: HUE bridge 1

Communication

IP address: 192.168.10.206

User: JbjwOfiPp0mkr3932668QuHqWe8Kq7sCsV-vquIf

Execution state: N.A.

CLOSE
START
STOP
CONFIGURE

Push the button on the HUE bridge and press BIND



BIND
DISCOVERY

### Dimming lights

1 ADD REFRESH

| NAME                                                          | DEVICE ID                  | ADDRESS | ROOM |
|---------------------------------------------------------------|----------------------------|---------|------|
| <span>...</span> <span>≡</span> <span>🗑️</span> Luce bianca 1 | 00:17:88:01:02:b2:55:05-0b | 13      | ---  |
| <span>...</span> <span>≡</span> <span>🗑️</span> Luce bianca 2 | 00:17:88:01:02:b5:51:6f-0b | 15      | ---  |
| <span>...</span> <span>≡</span> <span>🗑️</span> Luce bianca 3 | 00:17:88:01:02:c4:68:93-0b | 16      | ---  |
| <span>...</span> <span>≡</span> <span>🗑️</span> Luce bianca 4 | 00:17:88:01:02:c6:34:aa-0b | 17      | ---  |
| <span>...</span> <span>≡</span> <span>🗑️</span> Luce bianca 5 | 00:17:88:01:02:b1:42:57-0b | 18      | ---  |

### RGB lights

1 ADD REFRESH

| NAME                                                         | DEVICE ID                  | ADDRESS | ROOM |
|--------------------------------------------------------------|----------------------------|---------|------|
| <span>...</span> <span>≡</span> <span>🗑️</span> RGB Device 1 | 00:17:88:01:03:a9:dd:6b-0b | 19      | ---  |

### Temperature lights

1 ADD REFRESH

| NAME                                                                   | DEVICE ID                  | ADDRESS | ROOM |
|------------------------------------------------------------------------|----------------------------|---------|------|
| <span>...</span> <span>≡</span> <span>🗑️</span> Luce a bianco dinamico | 00:17:88:01:03:87:4b:7c-0b | 14      | ---  |

HUE bridge

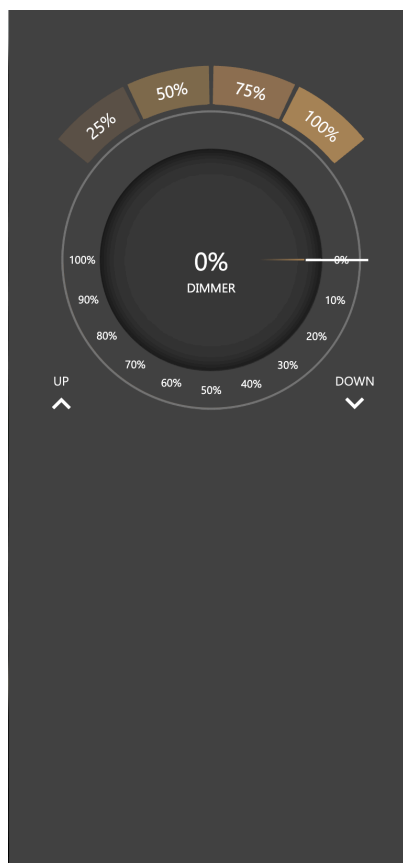
0 0 0 0

For each light detected, it is possible to associate it with a room through the appropriate drop-down menu (ENVIRONMENT column); only the lights associated with a room are shown in the view.

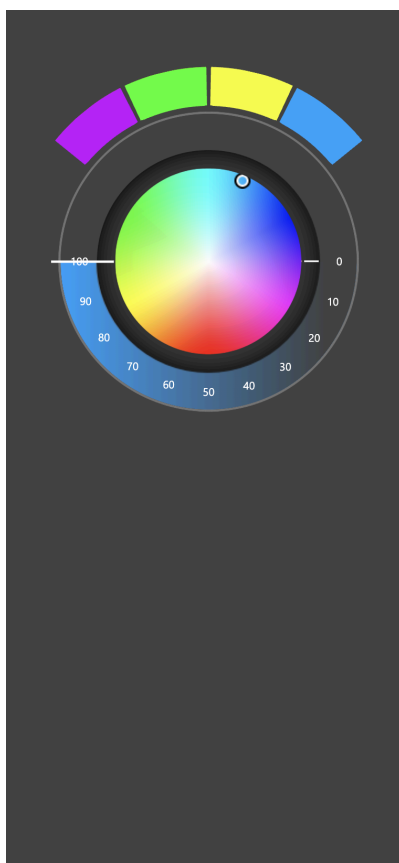
## 2 Visualisation

The different types of PHILIPS HUE lights can be managed inside the visualisation pages of DELÉGO, in a very similar way as the WIDGETS based on other technologies (e.g. KNX).

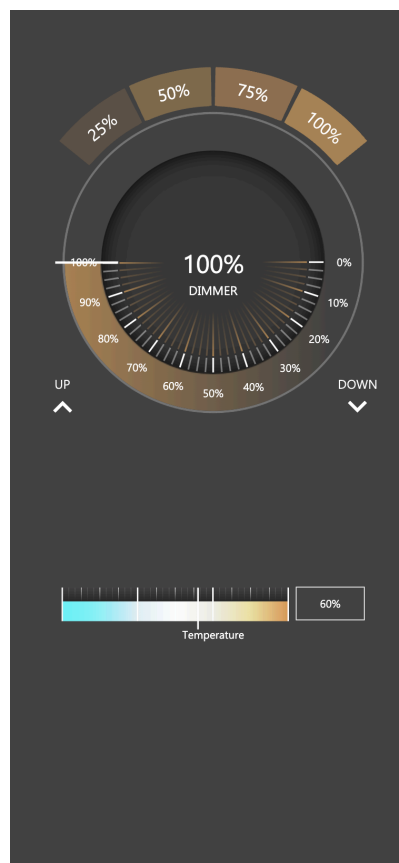
The following pictures show an example of the different light types, when their popup is opened in the app or browser:



**Dimmer**



**RGBW**



**Dimmer with tunable white**

### 3 Revision history

The following table contains the most relevant changes in the software releases, concerning the topics of this application manual:

| Release | Changes                                                   | Date       |
|---------|-----------------------------------------------------------|------------|
| 2.8.0   | Added support for new lamps: LCZ001 / LWA028 / MEC MODULE | 15/04/2026 |
| 2.7.0   | Minor changes                                             | 01/09/2025 |
| 2.6.0   | First revision of the document                            | 02/04/2025 |



Before the software release 2.6 the application manuals of DELÉGO SERVER were organized differently. An exact correspondence with older versions of the manuals and the changelog could not be found for this reason.