uSee Web Browser User Interface Installation and Set-Up Guide

The uSee Web Browser User Interface is a hardware and software platform that, used in conjunction with a Helvar router system, allows you to view your lighting system, select scenes, programme new scene levels, apply alternate scene and group names, conduct DALI emergency lighting test and reporting functions and monitor energy use.

This platform provides both wired and wireless connectivity to all popular web-browsing devices, such as tablets and smartphones, and provides an easy-to-use and intuitive graphical means of controlling your lighting system.



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Package contents 1.



Wi-Fi antenna

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Installation 2.

Take the following steps to mount the uSee unit:

- 1. Mount the HDR-30-12 PSU on the DIN rail. For details, see section 2.1 below on this page.
- 2. Mount the uSee unit on the DIN rail. For details see section 2.1 on page 2.

2.1. Mount the HDR-30-12 PSU on the DIN rail



Mounting dimensions (mm) and connections



2.2. Mount the uSee unit on the DIN rail

Mounting dimensions (mm)



Mounting procedure



2.3. Connect the PSU and the Ethernet cables



3. Configuration

There are two methods of connecting to the uSee unit from a device running a web browser.

- 1. Wireless Ethernet: Connect to the uSee unit via wireless Ethernet.
 - For configuration instructions, see section 3.1, 'Initial access to the uSee unit: Wireless Ethernet', on this page.
- Note: uSee generates an ad-hoc Wi-Fi network that may be incompatible with certain devices. If wireless access is still required, you can connect a wireless access point (not supplied) to the uSee
- **2. Direct control**: Operate the uSee unit directly, using a keyboard, a mouse and a monitor/display. For configuration instructions, see section 3.2 on page 9.

3.1. Initial access to the uSee unit: Wireless Ethernet

Follow the steps below to configure the uSee Web Browser User Interface using wireless Ethernet to connect to the web-browsing device.



3.1.1. Connect the Wi-Fi antenna

To configure the uSee Web Browser User Interface using a wireless Ethernet connection, follow these steps:

- 1. Connect the magnetic antenna extension to the rear panel of the uSee unit.
- 2. Connect the Wi-Fi antenna to the magnetic base of the antenna extension.



Follow these recommendations to optimise the performance and reliability of the wireless connection:

- a. Set up your uSee unit as close as possible to the centre of the area for which you want to provide wireless networking.
- b. Keep the antenna away from objects that cause wireless interference. Large metal objects, fluorescent or halogen lights, microwaves, cordless phones and their base stations and wall ducting or vents can block or interfere with wireless signals.
- c. Place the antenna in an elevated location.

3.1.2. Open the 'Network Connections' window

- 1. Click the Start Menu button.
- 2. Access **ncpa.cpl** from the Windows Search box.

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un	
	Type the name of a program, folder, document, or
	Televise to reach the second of the device will see as the feature to
	Internet resource, and windows will open it for you.
Open:	ncpa.cpl



3.1.3. Access Wireless Network Adapter properties

- 1. Right-click the wireless network adapter.
- 2. Select **Properties**.



Wireless Network Connection 4 Properties	x
Networking Sharing	
Connect using:	
Atheros AR9285 Wireless Network Adapter	
Configure	
This connection uses the following items:	
QoS Packet Scheduler QoS Packet Scheduler General Printer Sharing for Microsoft Networks And Printer Sharing for Microsoft Networks And Printer Statement Protocol Driver And Internet Protocol Version 4 (TCP/IPv6) And Internet Protocol Version 4 (TCP/IPv4) And Internet Proto	4 III 4
4 m	
Install Uninstall Properties	
- Description	— II
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	
OK Can	cel

3.1.4. Access Internet Protocol properties

- 1. Select the **Internet Protocol** item. If more than one is listed, select the IPv4 item.
- 2. Click the **Properties** button to display the **Internet Protocol (TCP/IP) Properties** dialog box.



3.1.5. Set the IP address and subnet mask of the web-browsing device

- 1. Click Obtain an IP address automatically.
- 2. Click Obtain DNS server address automatically.
- 3. Click OK.
- 4. Click Close in the Wireless Network Connections Properties window.

eneral	Alternate Configur	ration					
You car this cap for the	n get IP settings ass ability. Otherwise, appropriate IP setti	signed auto you need ti ings.	matica o ask y	lly if y our n	your ne networ	etwork k admir	supports iistrator
() Ob	tain an IP address	automatica	lly				
- Us	e the following IP a	ddress: —					
IP ac	ldress:						
Subn	iet mask:						
Defa	ult gateway:						
@ O ^j	tain DNS server ad	dress auto	natical	lv			
- () Us	e the following DNS	server add	Iresse	s:			
Prefe	erred DNS server:						
Alter	nate DNS server:						
						Adv	anced
				_		_	

3.1.6. Connect the web-browsing device to the wireless network

- 1. In the **Network Connections** window, right-click the wireless network adapter.
- 2. Select **Connect/Disconnect**.



3. Select the uSee unit's wireless network.

The network SSID will be:

HELVARuSeeXXXXX

where XXXXX is the uSee unit's serial number.

The serial number is printed on a label on the uSee unit.



4. Click Connect.



5. Click **Connect Anyway** (when warned that information on this network may be visible to other people).

HELVAR	-uSee-00004 is an unsecured network
	Connect Anyway Information sent over this network might be visible to others.
	Connect to a different network

3.1.7. Save the network settings to your web-browsing device

1. When prompted, select the **Save this network** check-box.

Successfully connected to HELVAR-uSee-00004

Save this network

3.1.8. Set network location as 'Public location'

- 2. When prompted, click the **Public location** option.
- 3. Go to section 4 on page 10.



3.2. Initial access to the uSee unit: Direct control

Follow the steps below to operate the uSee unit directly, using a keyboard, a mouse and a monitor/display.

3.2.1. Connect a USB mouse and a USB keyboard to the uSee unit.

3.2.2. Connect a monitor/display to the uSee unit.



3.2.3. Configure the uSee unit's network settings

As soon as the uSee unit is powered on, it will display the **Helvar System Hub** dialog box.

- Note: Consult the network administrator for IP settings compatible with your network.
- 1. Click Network Settings.

hat do you	want to do now?	
	Stop The Service (Running)	
	Log	
	Shutdown	
	Restart	
	Network Settings	
	Display Settings	
	Admin	

- 2. When the **Network Settings** dialog box is displayed, type the IP address of the uSee unit.
- 3. Type the subnet mask, the gateway and the DNS values.
- 4. Click Apply, and then click Close.
- *Note:* The discovery of a workgroup and any further setup of the uSee unit should be managed via the **Configuration** section of its web interface (see section 4 on page 10).

etwork Settings			
Computer Name			
HELVAR-USEE-0	00		
Network Settings			
Chose Network Adap	oter		
[0000009] Realt	ek PCIe GBE Family Cont	roller	-
DHCP			
IP Address	10.254.254.254		
Subnet Mask	255.0.0.0		
Gateway			
Primary DNS			
Secondary DNS			
Refresh	Apply	Ok	Close

4. Accessing uSee for the first time

4.1. Connect your web-browsing device to the uSee network

- 1. In the Windows notification area, click the **Network** icon.
- 2. From the list of available wireless networks, select **HELVARuSee[Serial_number]**. The serial number is printed on the label at the rear chassis of the uSee unit.

4.2. Change the default password of the Admin account

1. In the browser's address bar, type **192.168.1.1**, and then press **Enter** to display uSee's main screen.

	2100	cs * Hide Hints Login
Home		
Image: Scenes () Image: Scenes ()	Workgroup Status • Showcase Office Alarms Triggered Narms 0 Alarms equiring acknowledgement: 0 Emergency Testing Tests in progress: 0 Failed tests: 0	USee Status Current Time 2015 05 07 : 10.26 User Anonymous Security Level Anonymous You are not logged in. Click the Login link to sign in.

2. Click **Configuration** to display the **Restricted Access** screen.

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- 3. Note that the username for the Administrator account is Admin. You cannot change this username.
- 4. In the Current Password text box, type password. This is the default password.
- In the New Password text box, type the new password that you want to use. The new password must contain at least eight characters, at least one number, and at least one letter. It must not contain any special characters. If you forget your password, contact your Helvar representative.
- 6. In the **Confirm New Password** text box, retype the password that you want to use.
- 7. Click the Update button, and uSee will create the Administrator account.

Once you have completed this task, the options located under the Login button will not appear again.

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5. Setting up the uSee Web Browser User Interface

5.1. Log in to uSee

- 1. Click Login in upper-right corner of the screen. -Hide Hints USee Workgroup Status ⁽²⁾ uSee Status ⁽²⁾ - Scenes 🕐 Sweco singel Current Time 2013-08-19 : 12:56 PM Energy Monitoring 🕜 Alarms User Triggered alarms: 0 Maintenance 🕐 admin **Emergency Testing** Security Level Administrator Configuration 🕜 Tests in progress: 0 Failed tests: 2 You are logged in. Welcome, admin About uSee 🕐 Energy Usage 6 Highest Consumption Groups : 100 kWh Helvar freedom in lighting
- 2. In the Restricted Access window, type the administrator username and password.

(uSee		
Home / Log In		
	Restricted Access	
	Username	
G	Password	
	Log In	

3. Click **Log In** to display the main screen. Now create two more user accounts following the steps described in section 5.2 on page 12.



5.2. Create Editor and BasicUser accounts

1. On the main screen, click **Configuration**.



2. Click Security.

	FuSee	Links * Hide Hints admin: Logout
```	Home / Configuration : Workgroups	
	Groups Scenes Channels	Workgroup Settings Workgroup Selection And Discovery The currently selected workgroup is Sweco singel To set or change the workgroup select one of Sweco singel
	Workgroups Network Gentral Security	the detected workgroups from the list. Then for complete discovery of the selected workgroup, including removal of all recorded historical data, click <i>Complete Discovery</i> If the required workgroup is not yet in the list, refresh this page until it appears.
	L ₂	For minimal re-discovery of <b>Sweco singel</b> , for example, following changes to it made using Designer, click <i>Minimal Discovery</i> .
		Site Name The site name is used when emailing reports Not Set Edit



3. Click Add User. - - _ _



4. Type the user details (select the **Editor** role from the drop-down menu), and then click **Save**:

Receive Email: if selected,
this user will receive uSee
system emails, such as
alarm notifications.

Use the form below to e Items marked with a * a	nter the details for the user re required
Username *	Role
	Basic
Forename	Surname
Password *	Confirm Password *
Passwords must be at le one alphabetic characte <b>Email *</b>	ast 8 characters, contain at least one digit a r, and must not contain special characters Receive Email

- 5. Add another new user in the role of a **Basic** user.
- 6. Return to the uSee main screen.

# 6. Configuring the uSee Wired Network

### 6.1. Open the Configuration screen

1. On the main screen, click **Configuration**. - - - -



2. On the **Configuration** screen, click **Network**.

(uSee	Unks* Hide Hints Lights_Admin: Logi		
Home / Configuration : Workgro	aps		
Groups	Workgroup Settings [®]		
Scenes	Workgroup Selection And Discovery		
Channels	The currently selected workgroup is LabEmergSetup		
144 - 4	To set or change the workgroup select one of LabEmergSetup		
Network	for complete discovery of the selected workgroup, including removal of all recorded historical data, click <b>Complete Discovery</b>		
Security	if the required workgroup is not yet in the list, refresh this page until it appears.		
	For minimal re-discovery of LabEmergSetup, Minimal Discovery of contract of the second		
	Site Name		
	The site name is used when emailing reports		
	Not Set Edit		

# 6.2. Edit the network settings



- Note 1: Consult the network administrator or commissioning engineer for IP settings compatible with your lighting router
   network.
- Note 2: After you change the network settings for the Lighting Router Connection, the uSee Web Browser User Interface may take several minutes to see the workgroups on that Ethernet network. Go to the Workgroups page and refresh your browser on a regular basis until the expected workgroup appears in the Workgroups list.
- 2. Make sure that the connection has been made: click the Workgroup Settings bar.

When the connection is made, the workgroup name will appear in the drop-down list on the **Workgroup Settings** section of the **Configuration Settings** page.

3. Click Workgroups.

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- 4. When the connection is made, the workgroup name will appear in the list: select it.
- 5. Click Minimal Discover or Complete Discovery.
- 6. Click Home to return to the uSee main screen.
- 7. You can now control the lighting system using uSee: context-sensitive help is available by clicking the 🕡 icons.

#### 7. **Technical Data**

#### System Limits

Recommended Size	15 routers or less	Dimensior
Max Size	30 routers	
Power		
Input voltage:	Single 12 VDC ± 10 %	
Typical power consumption:	6 W	
Connectivity		
LAN 1:	10/100/1000 Mbps Intel I210 GbE. For router network.	
LAN 2:	10/100/1000 Mbps Intel I210 GbE. For local computer network.	
I/O interface		
HDMI:	2 × lockable HDMI connectors, support up to 1920 × 1080 at 60 Hz	
USB interface:	2 × USB 2.0 & 1 × USB3.0	
Mechanical data	3	
Dimensions:	133.8 mm × 43.1 mm × 104 mm	
Mounting:	DIN rail (installation in switchgear/ controlgear cabinet)	Front pane
Weight:	0.8 kg	Ν
IP code:		On/Off
	IP20	
Operating and s	torage conditions	
Ambient temperature:	0 °C to +40 °C	S O S
Relative humidity:	Max. 90 %, noncondensing	Not u
Storage temperature:	-40 °C to +85 °C	
Conformity and	standards	0
EMC emission:	EN 55032	
EMC immunity:	EN 55024	
EMC immunity: Safety:	EN 55024 EN 60950	

### imensions (mm) and Connections



#### ont panel





### **Order code**

8801+HDR-30-12: uSee Web Browser User Interface with 12 VDC, 30 W DIN-rail PSU.

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