

ISW 2-130

AXING CAST solution Hardware server

Operation instructions



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WARNING

- Observe the safety instructions supplied with the device! They are also available at the following Internet address:
https://download.axing.com/BAs/Sicherheitshinweise_9sprachig.pdf
- Use the device only as described in these operating instructions and in particular in accordance with the state of the art. If the device is used for other purposes, no warranty will be assumed!



Herewith AXING AG declares that the marked products comply with the valid guidelines.



WEEE Nr. DE26869279 | Electrical and electronic components must not be disposed of as residual waste, it must be disposed of separately.

1. Product description

1.1. General

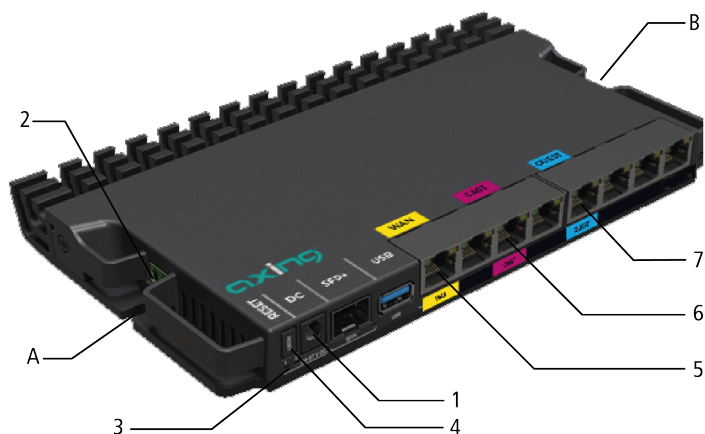
The hardware server is the central unit of the AXING CAST solution. It manages the assignment of the guest smartphones to the Chromecast devices in the rooms and handles streaming to the hotel TVs. In addition, messages can be sent to the individual rooms and statistics on user behaviour can be viewed.

The server has a base configuration so it can be easily integrated and connected into a hotel network. The assembly, installation and configuration of this device has to be carried out by a qualified person with network knowledge.

1.2. Scope of delivery

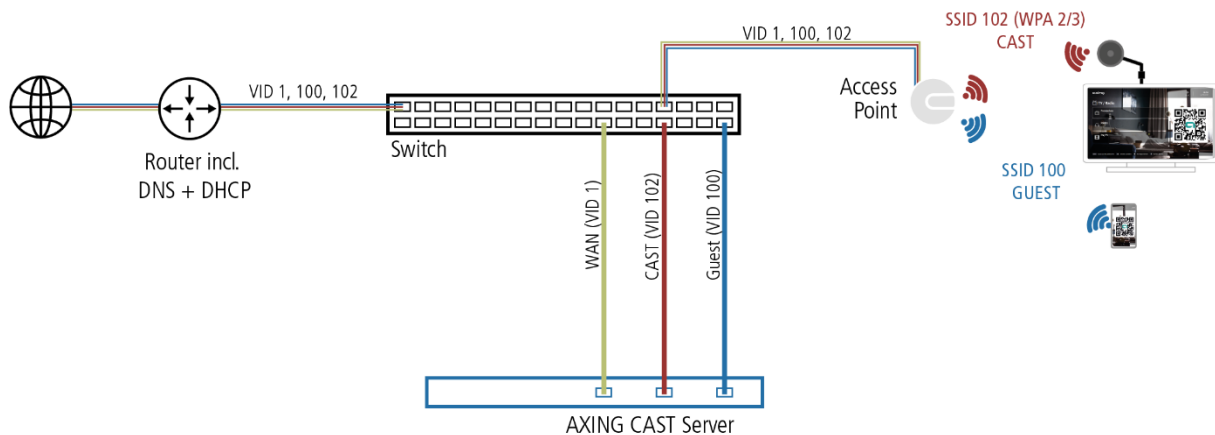
- 1 × Server
- 1 × Power supply unit
- 2 × 19"-brackets
- 1 × Quickstart guide DE/EN
- 1 × Safety instructions

1.3. Display elements and connectors



- A + B Mounting holes
- 1 Socket for power supply unit
- 2 DC terminals for supply voltage
- 3 LEDs DC1 and DC2
- 4 Reset button
- 5 RJ-45 socket, 2.5 GbE WAN (PoE)
- 6 RJ-45 socket, 1 GbE CAST
- 7 RJ-45 socket, 1 GbE GUEST

2. System integration



The network must fulfil various requirements. The hardware server must be integrated into the network accordingly. The requirements and the network integration are described in an application note (<https://axing.com/en/service/application-notes/>).

2.1. Requirements for the network

- Two SSIDs (GUEST and CAST)
- WPA2/3 key for the CAST SSID
- Two VLANs, one for the GUEST and one for the CAST SSID
- One untagged port each in the GUEST and CAST VLAN for connecting the CAST server
- Two DHCP servers, one each for the GUEST and CAST network
- In both GUEST and CAST VLANs, two static IP addresses must be defined (must be transmitted to AXING to finalize the configuration)
- Reserved IP addresses must be accessible for the devices in the respective network
- A local DNS server
- A locally resolvable DNS name for pairing between client and Chromecast (must be accessible for the guest) (e.g. cast.yourdomain.com), must be transmitted to AXING

3. Mounting and Installation

The device is designed to use indoor and it can be mounted on the wall, it can be placed on the desktop or it could be mounted in a 19" rack. The device has no protection from water contamination, please ensure the placement of the device in a dry and ventilated environment.

3.1. Wall Mounting

Use the designed mounting holes on both sides of the device, as shown in the picture (A + B). Use fitting screws to mount the device to the wall.

3.2. Mounting in a 19" rack

The AXING CAST server comes with brackets for 19" installation. Mount these on the right and left of the housing using the enclosed screws. Then install the server in the 19" rack.



3.3. Connection to Ethernet

Different VLANs must be set up in the network for WAN, CAST and GUEST.
Connect the corresponding connections of the server to the corresponding network segments.
Use Cat 6 cables or higher for the ethernet connections.

3.4. Power Supply

There are three ways to supply the server with power:

- Using the power supply unit supplied, which is connected to the DC socket.
- Via the DC terminals with another voltage source of 24 ... 57 V.
- With Power over Ethernet at the RJ-45 socket, 2.5 GbE WAN.

Power indicator:

Two LEDs indicate the power supply:

LED DC1 indicates that the server is supplied by the power supply unit.

LED DC2 indicates that the server is supplied via the DC terminals.

4. Configuration

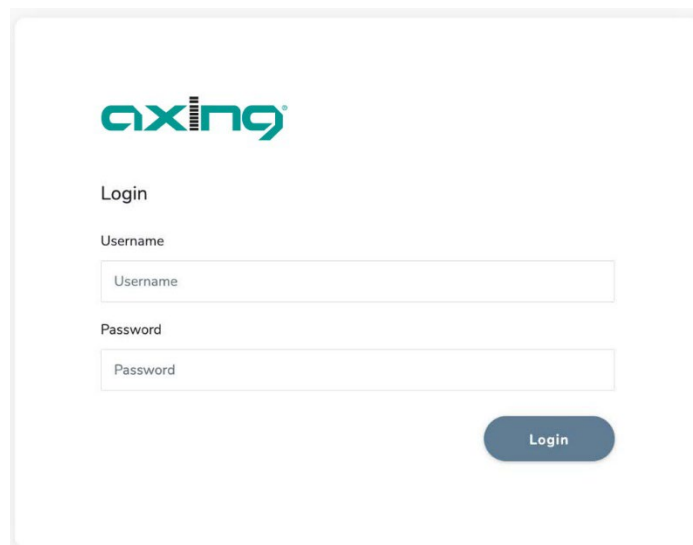
The device is configured via the graphical user interface. To access the user interface, you need a standard PC/laptop with a network interface, a commercially available network cable and the actual version of the installed web browser.


Accessing the configuration interface:

http://x.x.x.x/console

x.x.x.x = the IP address assigned to the AXING CAST server.

4.1. Login and logout




 Login
 Username

 Password

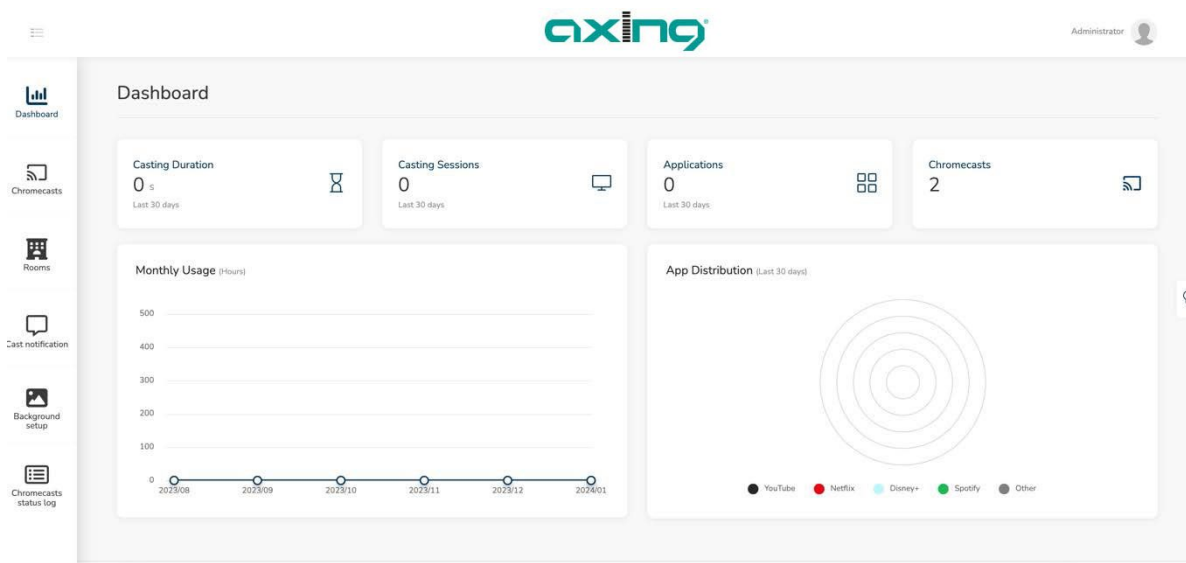
Enter **Username** and **Password** and click **Login**.

Username = admin

Password = Ramsen8262

4.2. Dashboard

The user interface starts with the dashboard.



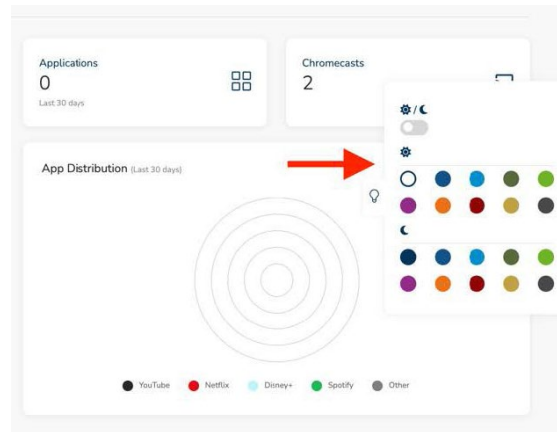
Following areas are accessible on the dashboard:

- Casting duration in seconds of the last 30 days
- Number of casting sessions of the last 30 days
- Used applications of the last 30 days
- Number of Chromecast devices
- Duration of monthly usage in hours
- App distribution of the last 30 days



You can show or hide the individual streaming services displayed by clicking on the service name.

If you click on the light bulb icon on the right, a menu will open. Here you can select the light or dark display mode and select the display colours.



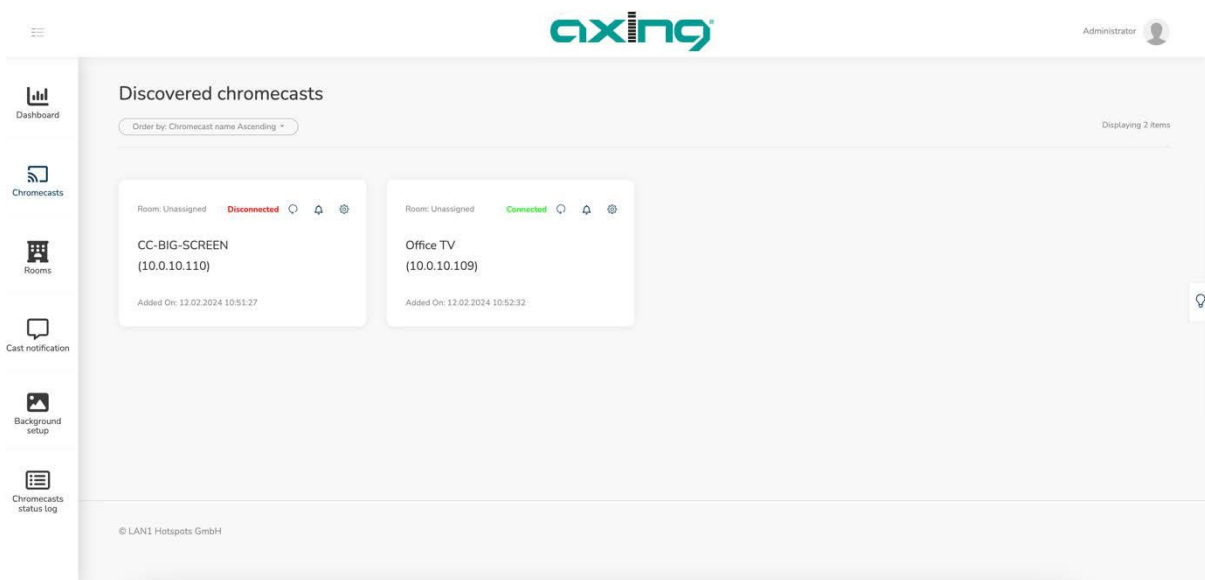
4.2.1. Changing Password or Log out

You can change the password or log out using the menu on the right corner.

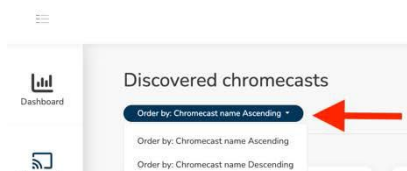


4.3. Chromecast devices in the network

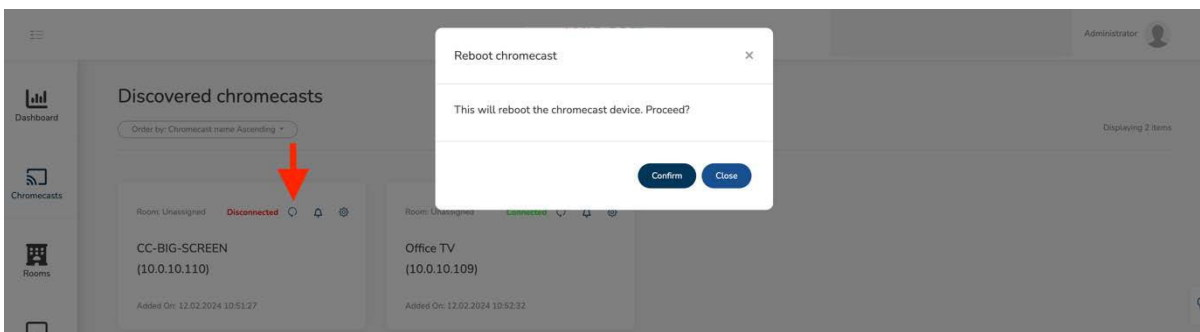
If you click on the Chromecast icon on the left, the discovered Chromecast devices in the network are shown.



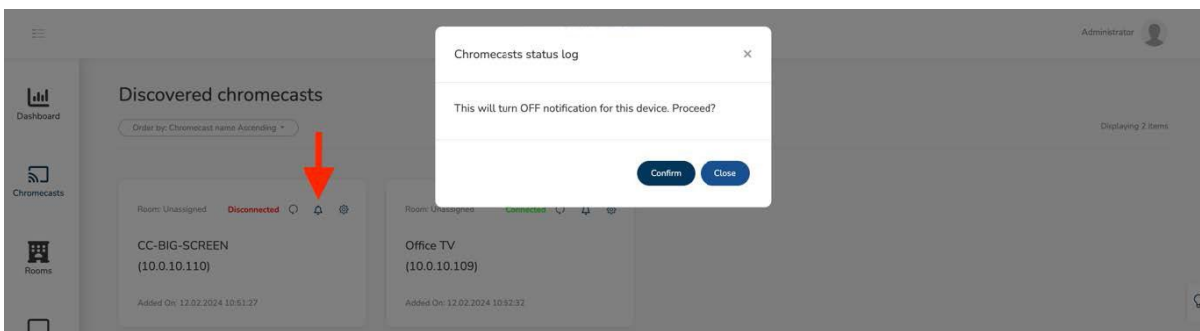
You can sort the Chromecast devices by the options in the menu as shown below.



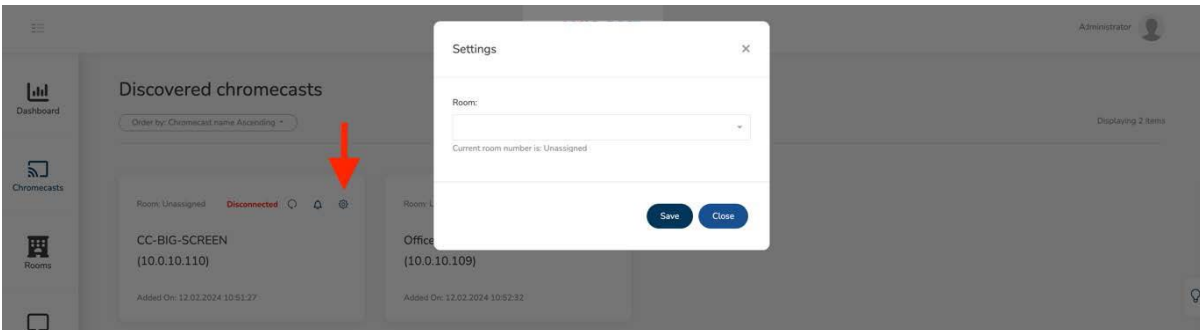
To reboot one Chromecast, click on the icon shown below.



To turn off notifications for the device, click on the icon shown below. Notifications will no longer be sent to this device.

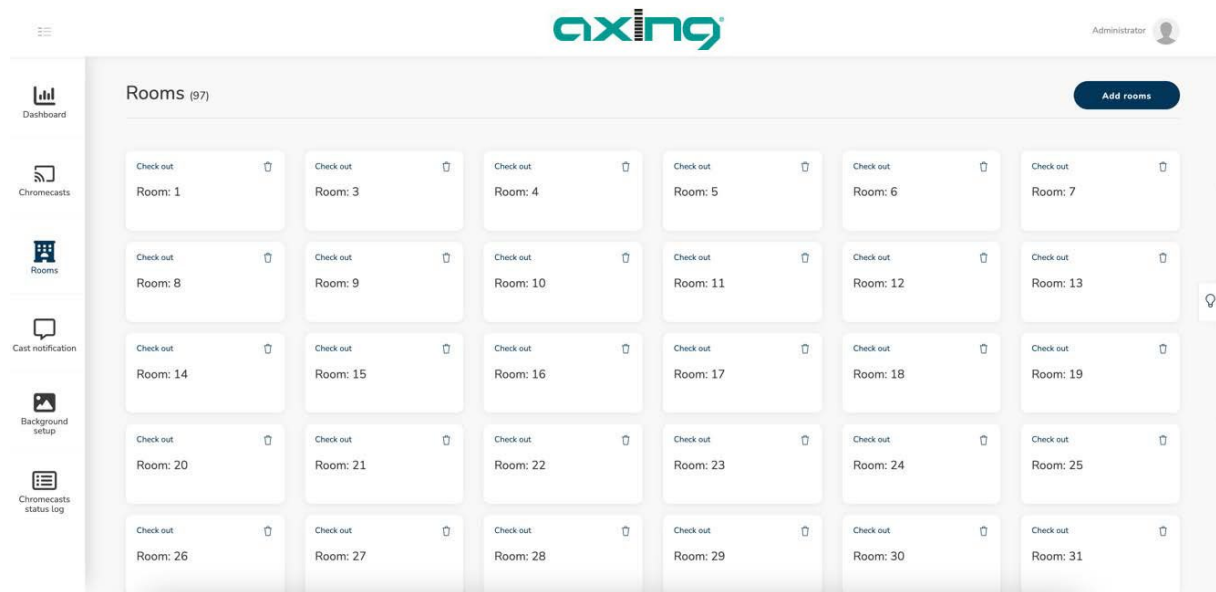


To access settings, click on the icon shown below. You can enter or change the Number or Name of the Room.



4.4. Rooms

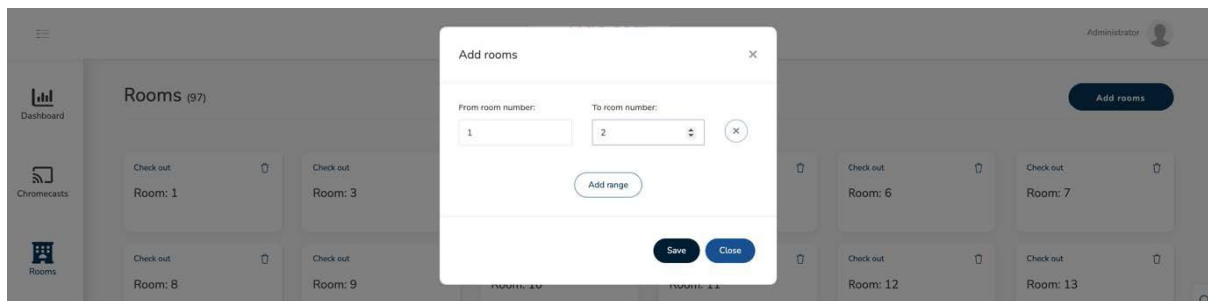
If you click on the Rooms icon on the left, the section Rooms is displayed. This section includes all the rooms in the system.



You can add rooms or a range of rooms by using the 'Add rooms' button.

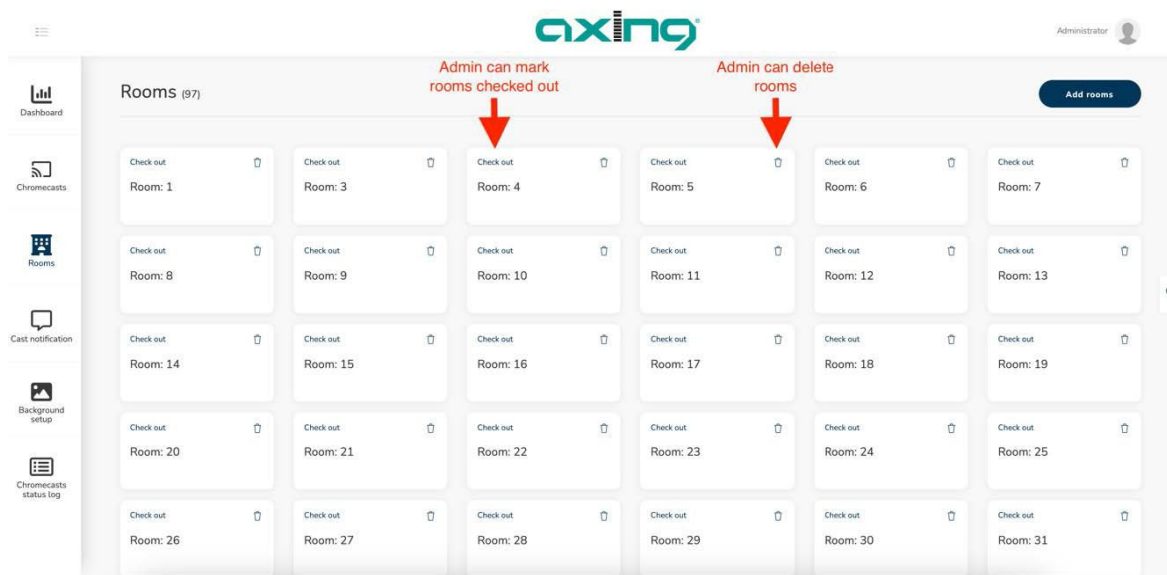
Step 1: Insert the range of rooms in the fields "Room room number" and "To room number".

From 1 to 2 will add to rooms. From 1 to 1 will add one room.



Step 2: Click 'Save' to add the rooms.

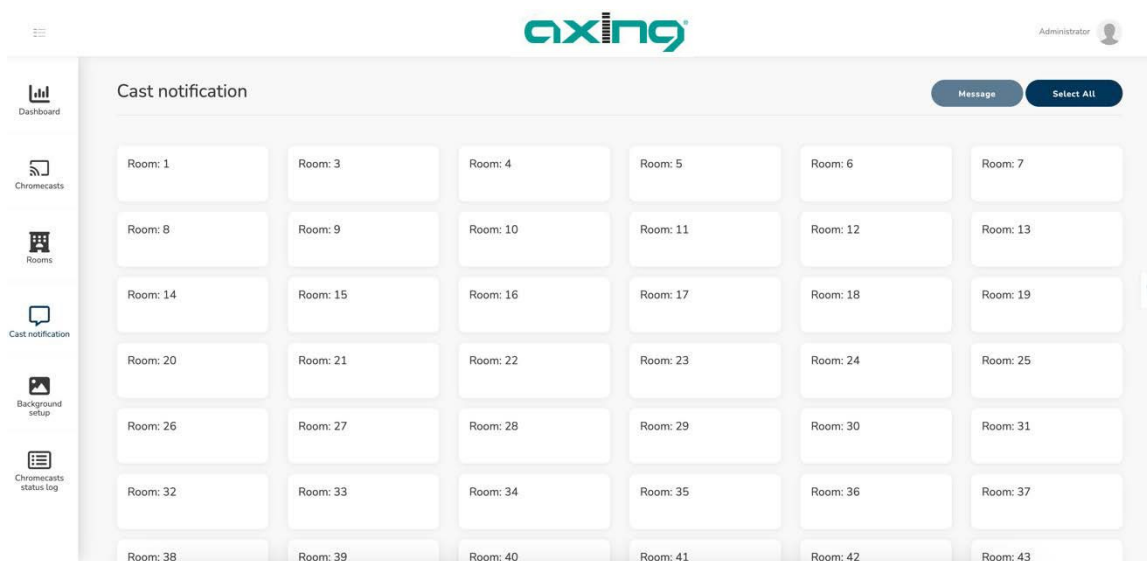
You can delete rooms by clicking on the bin icon. You can also mark rooms as been checked out.



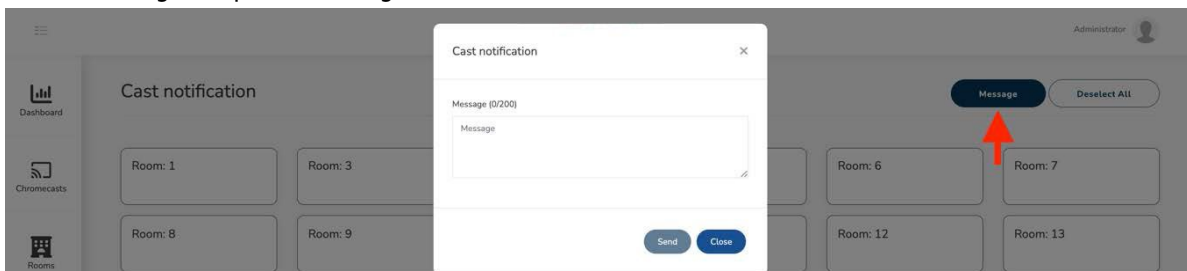
4.5. Cast notification

If you click on the Cast notification icon on the left, the Cast notification area is displayed. In this area, you can send notifications to individual rooms or to all rooms.

1. Select the rooms you want to send a message to (or click Select all).



Click on Message, to open the message editor.



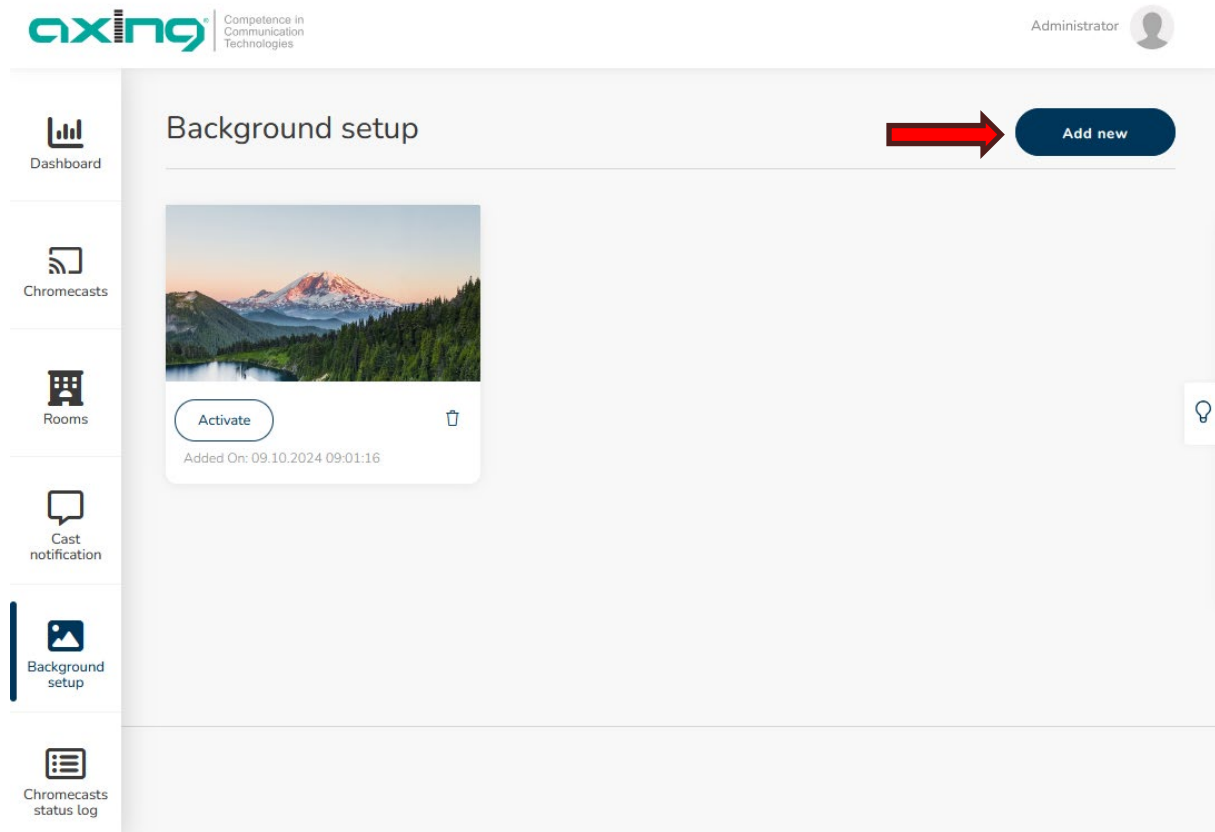
Enter the message and click on **Send**.
The message will be displayed on the TV screen in the selected rooms.

4.6. Background setup

Note: Background images must have a resolution of **1920 x 1080 pixels!**

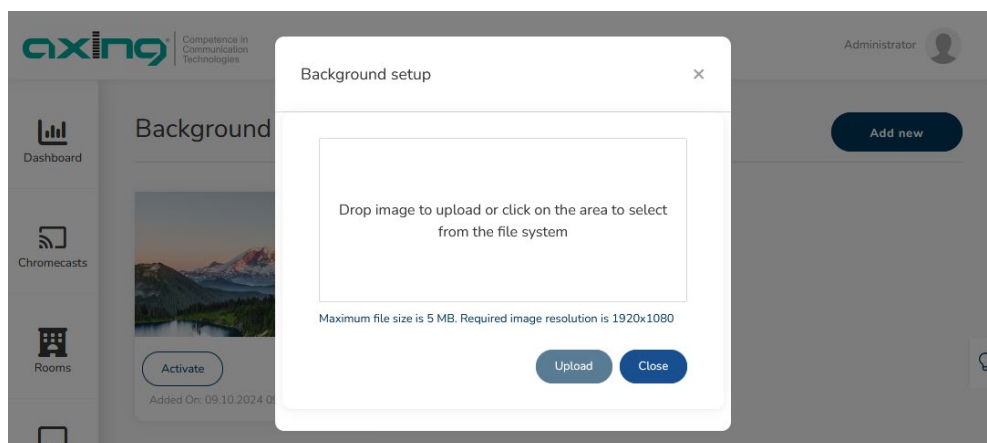
If you click on the Background setup icon on the left, the Background setup area is shown. In the Background setup area, you can add a background image.

Step 1: Click on Add new as shown below.

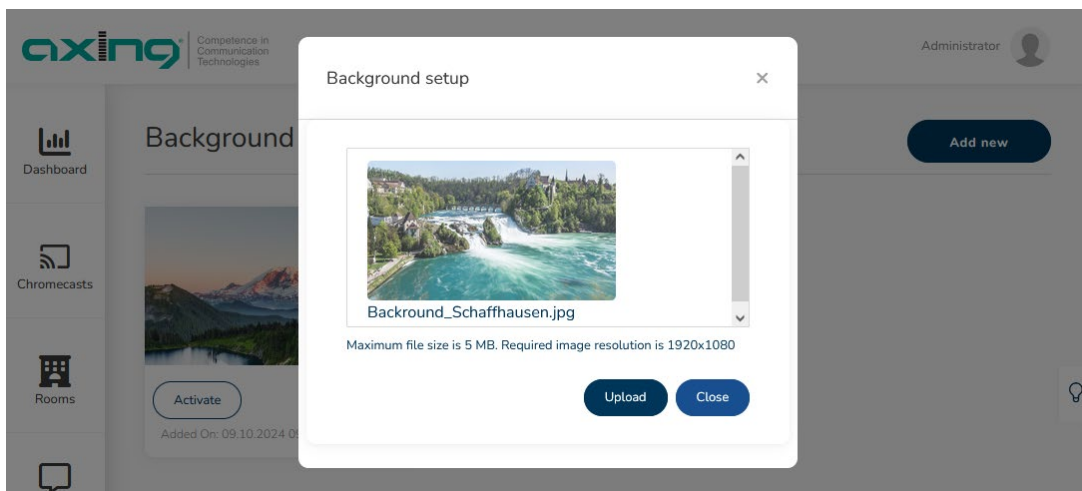


Step 2: Add a background image by selecting or dropping an image file.

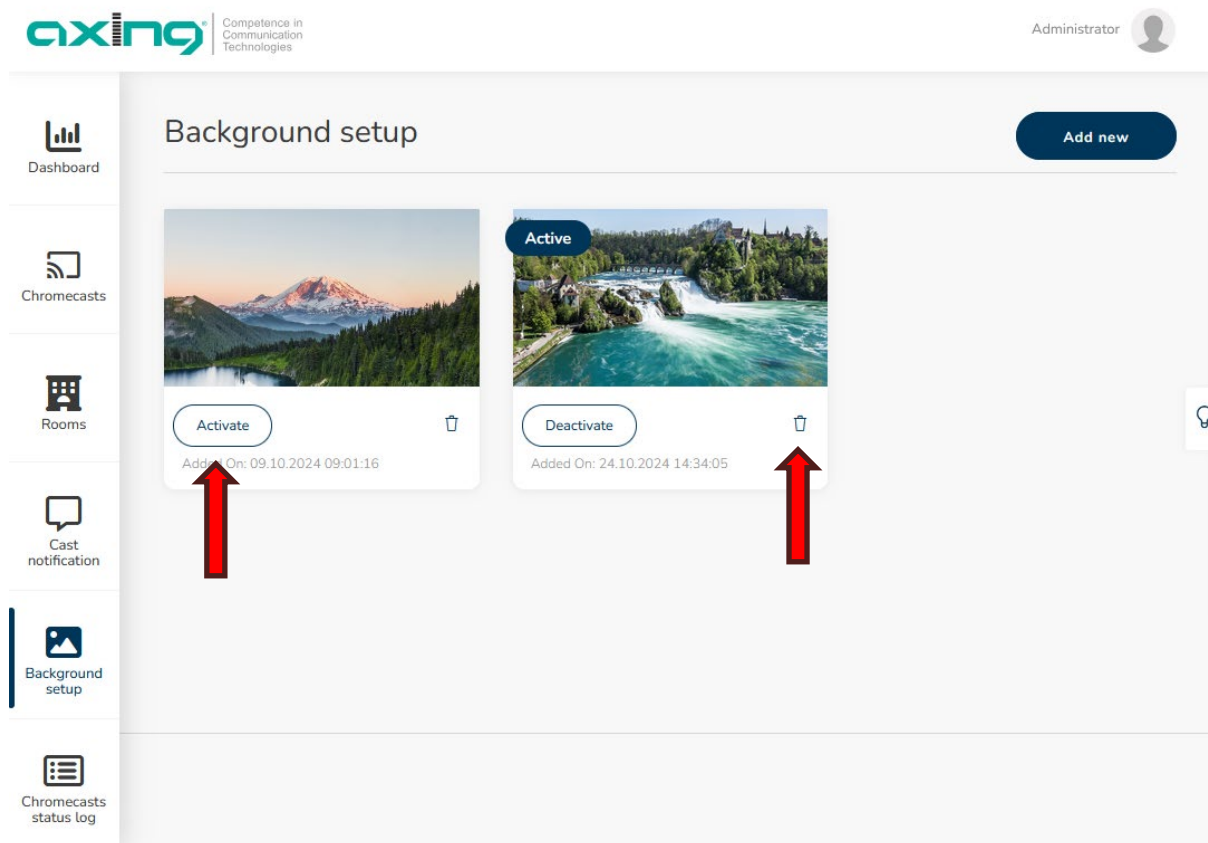
The image must have a resolution of **1920 x 1080 pixels!**



Step 3: The background is uploaded.



If you have added several backgrounds, you must activate one of them, by clicking the **Activate** button.

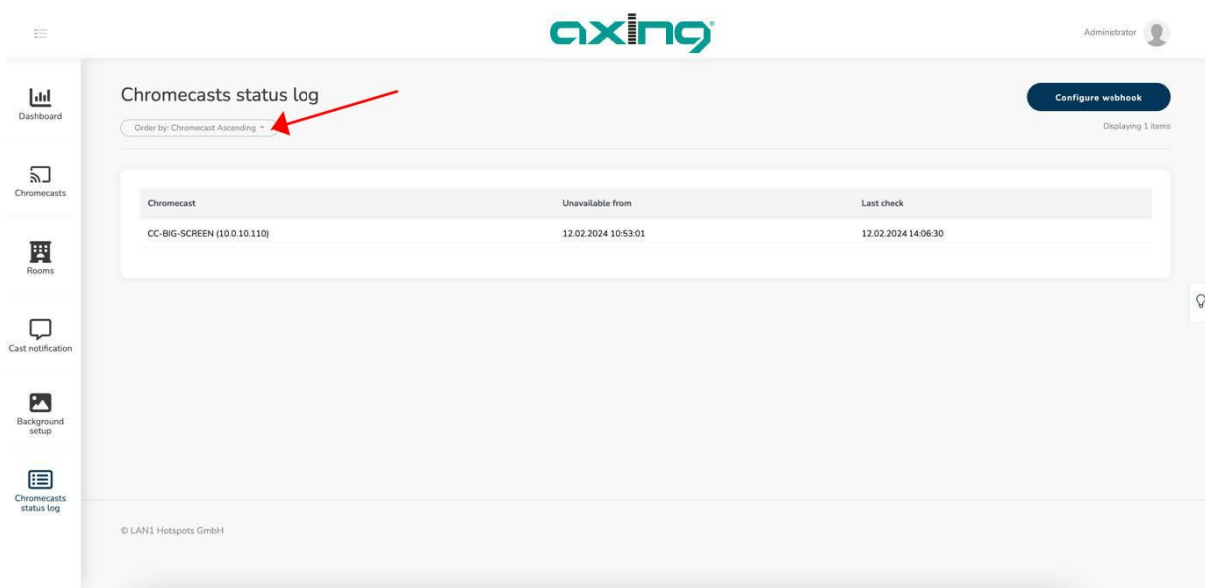


You can delete a background image by clicking on the bin icon.

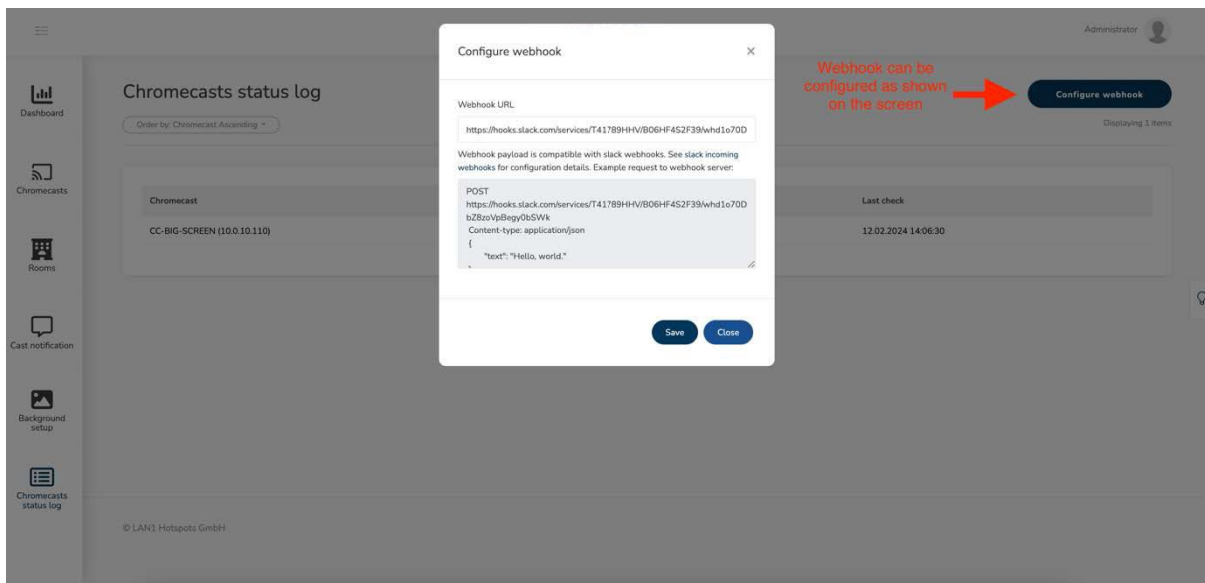
4.7. Chromecasts status log

Various events are logged in the Status log area.

You can choose the order in which you want to sort the events.




You can also configure a webhook, to send messages to another application.



5. Technical specifications

Type	ISW 2-130
Interfaces	
Ethernet connectors (LAN)	3 × RJ-45*
Ethernet standards	IEEE 802.3, 1000 Base-T/1 GbE @ CAST IEEE 802.3, 1000 Base-T/1 GbE @ GUEST IEEE 802.3bz 2.5GBASE-T/2.5 GbE @ WAN
General	
Operating voltage	24 ... 57 V
Power consumption	14 W
Operating temperature range	-40 ... +60 °C
Dimensions (W × H × D) appr.	220 x 125 x 22 mm
External accessories	
Power supply unit	24 V / 1.5 A
General	
Comments	* only WAN, CAST and GUEST active

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