



User Manual

ProLine SIP HD
ProLine SIP Compact HD

Software version 1.0.0 or higher

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About this manual

This manual describes the installation and programming of the Robin SIP HD intercoms in combination with software version 1.0.0 You can update the software of the Robin to the latest version. For instructions on updating see chapter 5.2.5.7 System / Software of this manual.

This manual applies to:

Robin ProLine SIP HD
Robin ProLine SIP Compact HD

This manual also applies to all 'for Teams' intercoms of Robin, these are optimized intercoms for use with the CyberGate service of CyberTwice.

If you have any questions after reading this manual, please contact us at:

website: www.robintele.com
support website: support.robintele.com
e-mail: info@robin.nl
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Important safety information

Take the following security measures when using a Robin:

- The use of port forwarding in routers / firewalls to access the Robin door phones is strongly discouraged. Use the Robin door phones on the local network (LAN) only
- Change at first use the password of the 'admin' (in the menu -System-Security-), it is recommended to change them regularly
- Use strong passwords (minimum 12 characters long)
- Configure the used PBX / VoIP provider to only allow the Robin door phone to call its programmed destination numbers using the white-list function in the PBX / VoIP provider
- Update the Robin door phone regularly

By default, access to the webinterface of the Robin is limited to devices that are connected to the same network as where the Robin resides. It does allow access from other networks, but only for the first 30 minutes after reboot.

This security feature can be disabled (not recommended!) in chapter 5.2.5.5 System / Security.

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1 Introduction

1.1 Robin ProLine SIP Door Intercoms



ProLine SIP
Compact HD

ProLine SIP HD

The Robin ProLine SIP models have many integrated functions in one single device:

- Telephone device with a capacitive push-button
- SIP support for audio and video
- HD audio support (OPUS and G.722)
- Full HD camera with a wide-angle lens
- Security camera with movement- and audio detection
- RTSP streaming (audio and video)
- Built in door opener
- Advanced event mechanism
- Extended API (Application Programming Interface)
- Premium design
- Backlit button for more convenience during night time use
- Engravable illuminating name label
- Recessed screws
- ProLine SIP Compact - Compact form factor, no visible screws
- Optional Ambient lighting

1.2 Robin features

Easy to install

A single module is all that has to be mounted; there are no extra modules necessary.

Simple operation

The Robin devices can dial predefined phone extensions. The door opener relay is activated via the device to which the call is directed.

SIP communication

The Robin uses the Session Initiation Protocol (SIP). This means that the intercom can be connected to any IP-PBX or VoIP provider that supports the SIP protocol. The Robin supports SIP over UDP, TCP and SIP-TLS 1.2

Four simultaneous SIP registrations

The Robin can be configured to connect to multiple SIP servers simultaneously. So it is always possible to configure the Robin to your needs.

Robin 'for Teams'

The Robin 'for Teams' is designed to communicate to Microsoft Teams using the CyberGate service of CyberTwice. It cannot be used with other IP-PBXs or VoIP providers.

Microsoft Teams support

All Robins can be connect to a Microsoft Teams environment using the CyberGate service of CyberTwice. CyberGate offers audio and video support. Calls made with the Robin will be directed to a Microsoft Teams user that can communicate, see the person at the door and open the door remotely. For more information about CyberGate, see the website <https://cybertwice.com>

Door opener

The potential free relay switch (dry contact) embedded in the Robin is activated by typing in a key combination at the dialled device. The key combination can be specified in the WEB-GUI of the Robin. The relay can be used to open a door, a gate or a barrier.

Video support

A real-time full-HD video image of the person using the Robin can be displayed on the screen of the H.264 compatible videophone or softphone as soon as a call is answered. Resolution on the videophone or softphone might be lowered due to the restrictions of the used phone.

High-Definition video quality

The integrated Full HD camera of the Robin is capable of displaying the video image in Full High-Definition (1080p). The image can be set to an aspect ratio of 4x3 or 16x9.

HD audio

The Robin supports the two most used HD audio codecs, OPUS and G.722. Thanks to the advanced audio DSP in the Robin, its sound quality is exceptionally good without any echo or interference.

Security camera function

The integrated camera can also be used for surveillance purposes. The Robin is able to deliver the Full HD video stream to many Video Management Software systems (VMS) in two formats, MJPEG and H.264 (RTSP).

Ambient lighting (option)

The Ambient light option for the Robin illuminates the building indirectly at night and improves night vision during calls.

No separate power supply

The Robin is powered via Power over Ethernet (PoE IEEE 802.3af). This eliminates the need for a separate power supply; connection to a PoE network switch or Midspan is all that is necessary.

Web-based configuration

The Robin can be configured on a PC or Mac via a web browser (e.g. Firefox, Chrome, Safari). Using a web browser, modification of all the settings for the Robin is easy, regardless of the physical location of the Robin.

Compatible with WEBRelay

The Robin is compatible with an external IP relays, the ControlByWeb WEBRelay Quad-LS. This external device is equipped with 4 build-in relays and can be connected to the LAN. The Events mechanism in the Robin can control the four relays (see chapter 5.2.5.3 System / Events).

2 Operation

2.1 Operating the door phone

To ring the door phone, press on the bell-sign on the Robin. The unit will play a ringing sound and the defined telephone set will be called. The illuminated label will indicate that the button is pressed.

2.2 Answering

Answer a call initiated by the Robin by answering the phone that is being called. The video picture of the integrated camera will be displayed if the call is answered on a compatible phone.

2.3 Controlling the built-in door opener

The built-in door opener is controlled with predefined keys on the telephone set that answers the call. When you activate the door opener, the attached door, gate, barrier, etc. will open.

You can change the default code to open the door in the interface of the Robin in the menu -System-Switch-Settings- (default code: ##).

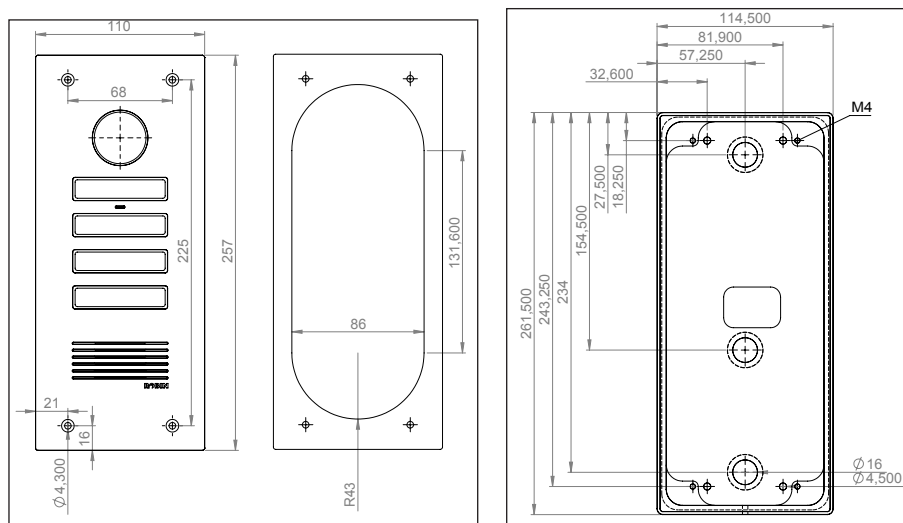
3 Installation

3.1 Robin ProLine

3.1.1 Package contents

TBD.

3.1.2 Installation dimensions Robin ProLine

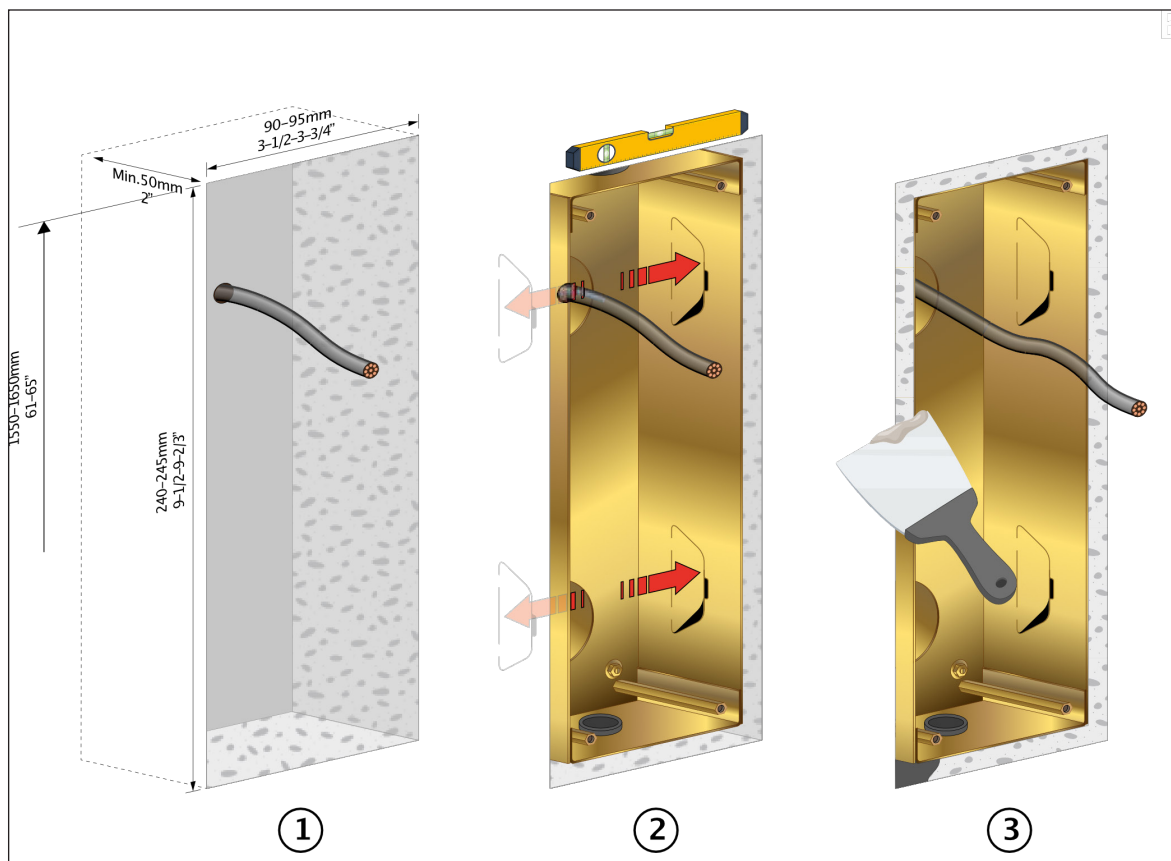


The dimensions of the flush mount box and surface mount box are:

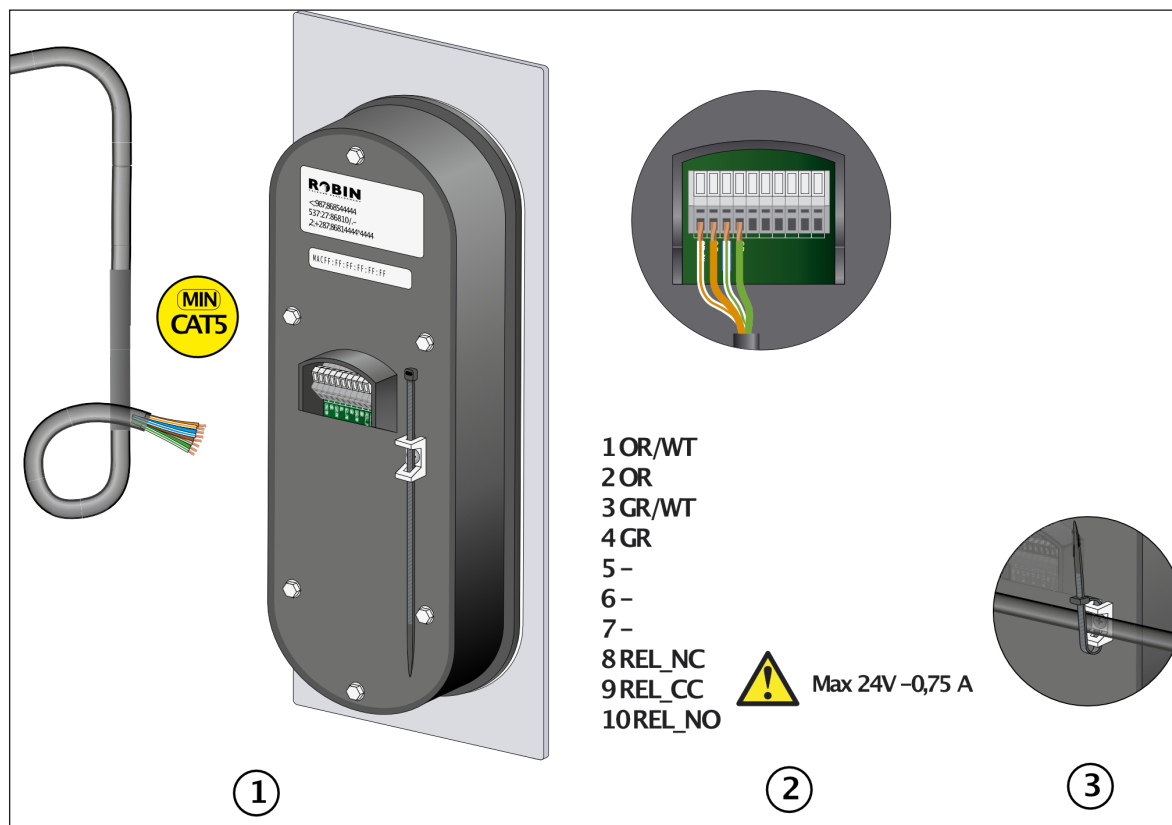
<ul style="list-style-type: none"> • 1 Flush mount box - C01112 	88 (B) x 47 (D) x 239 (H)
<ul style="list-style-type: none"> • 1 Surface mount box - C03001 	115 (B) x 45 (D) x 261 (H)

3.1.3 Mounting the Robin ProLine using the surface mount box

For mounting in a stone wall, make a recess in the wall with the indicated dimensions (1). Drill a hole through the wall for the Ethernet cable and optional electronic door lock cable. Pass the cables through one of the four holes in the flush-mounting box. Make sure the flush-mounting box is level and flush with the wall. Pull out the four tabs so that it is fixed in position (2). Fill the space between the flush-mounting box and the wall with wall filler and let it dry (3).

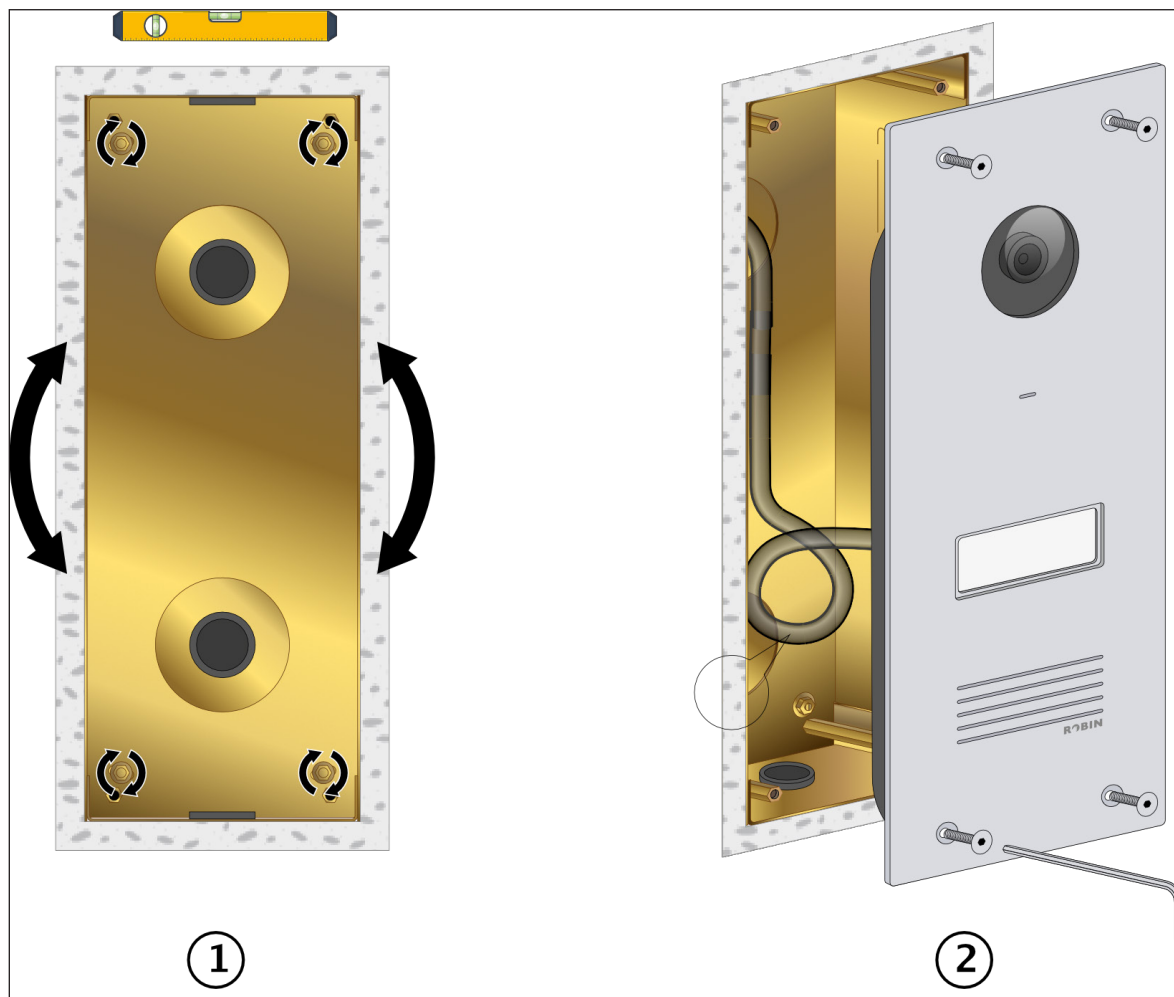


Connect the cable (1).
 The colours for the individual cores must match the colour coding on the PCB.
 An additional cable (two-wire) is required for the optional electronic door lock (2).
 Attach the cable(s) to the housing as a tension relief using the supplied tie wrap (3).



Adjust the positioning of the internal adjustment plate if the flush-mounted box is not completely level (1).

Screw the intercom to the flush-mounted box using the screws and Allen key (2) supplied.



3.1.4 Mounting the Robin ProLine using the flush mount box

Keep the surface-mounting box in the right place on the wall and make sure it is level. Mark the four mounting holes on the wall with a pencil. Also mark the point where to make the hole for the intercom cables.

Drill the holes.

Feed the Ethernet cable and the optional electronic door lock cable through the drilled hole (1).

Route the Ethernet cable along the side (2).

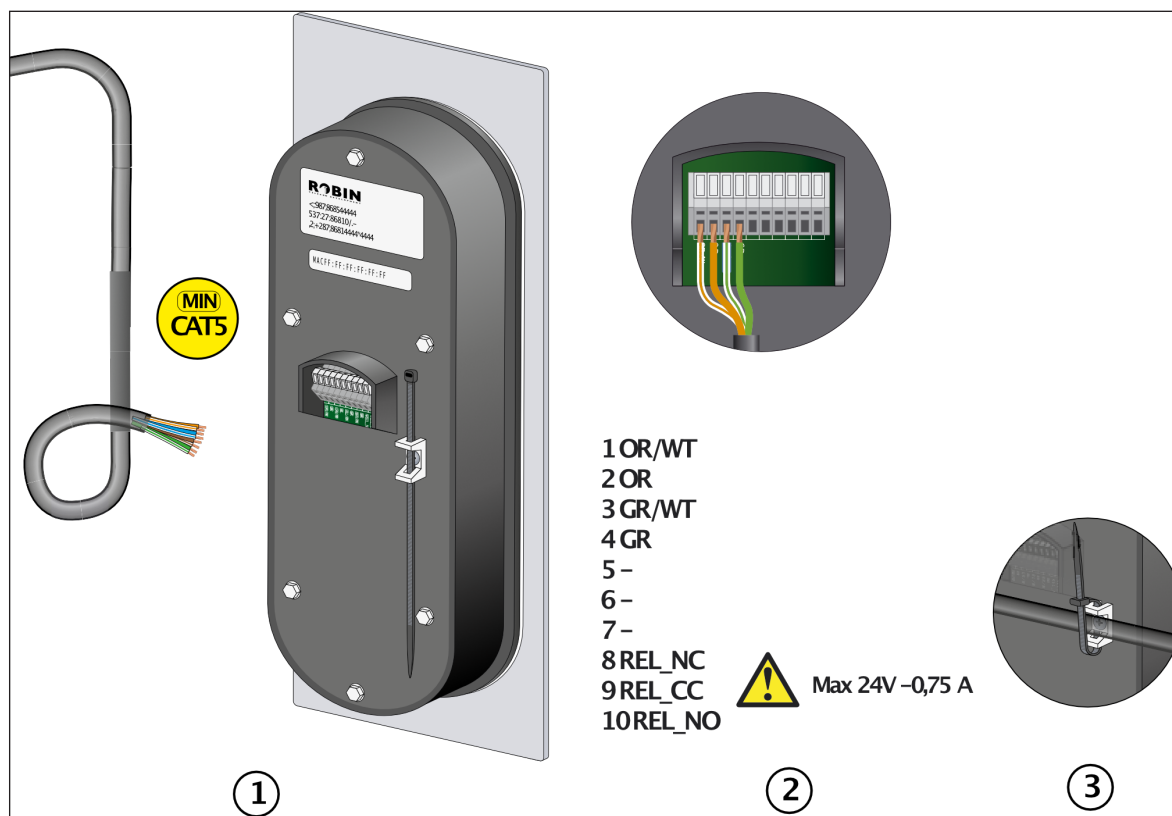
Screw the surface-mounting box to the wall (3).

Connect the cable (1).

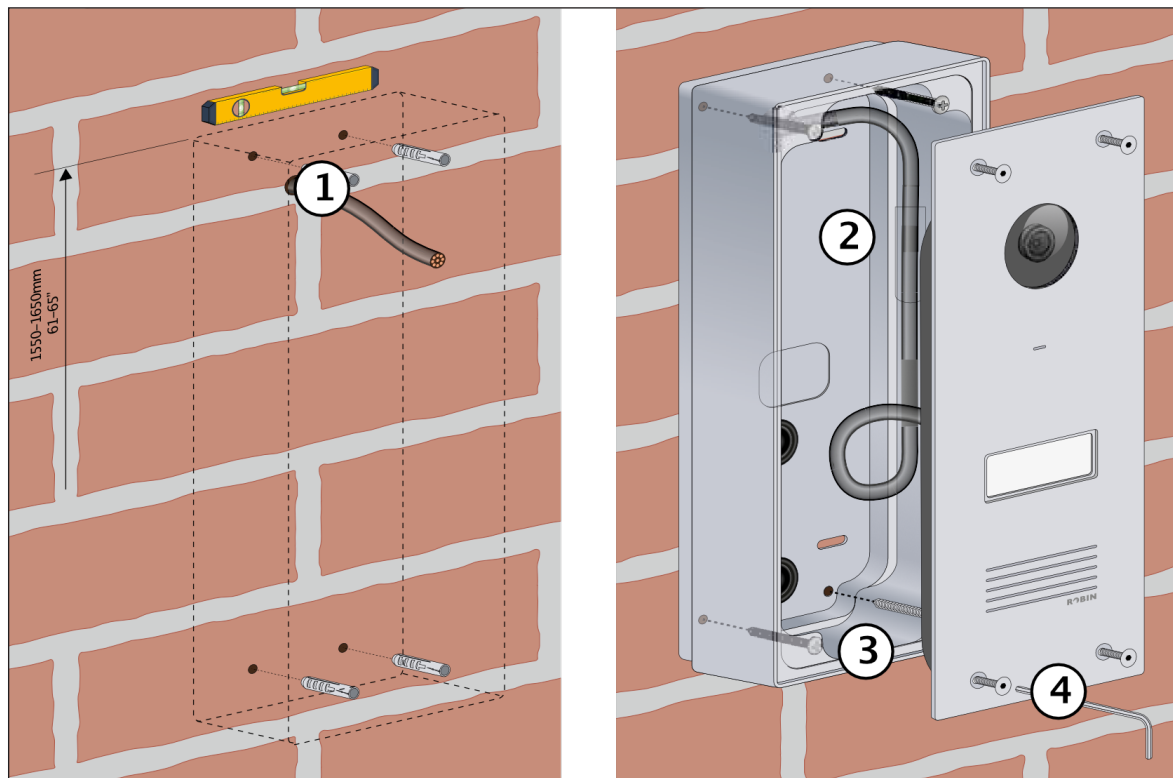
The colours for the individual cores must match the colour coding on the PCB.

An additional cable (twowire) is required for the electronic door lock (2).

Attach the cable(s) to the housing as a tension relief using the supplied tie wrap (3).



Screw the intercom to the surface-mounted box using the screws and provided Allen key (4).



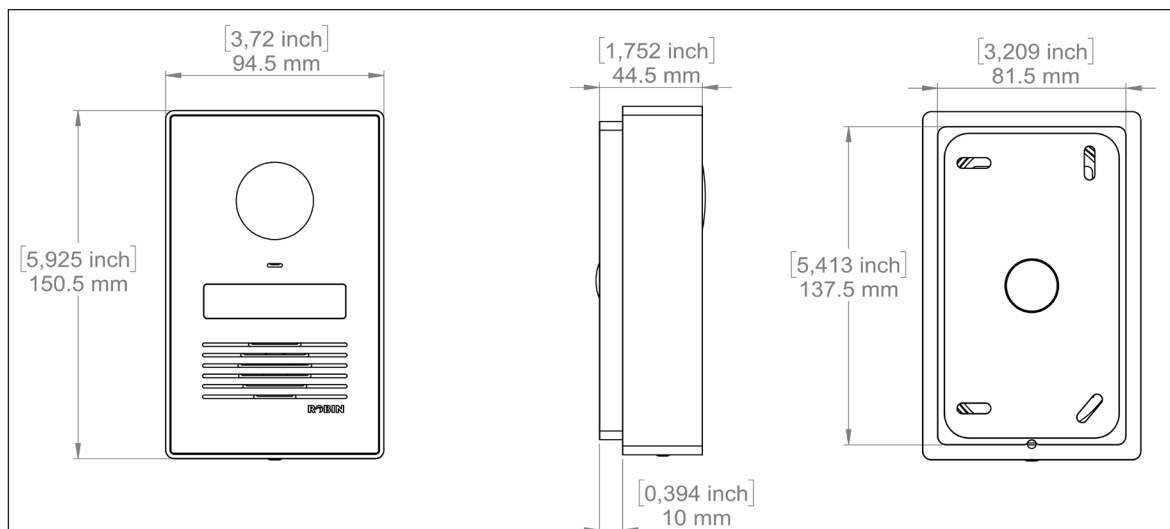
3.2 Robin ProLine Compact

3.2.1 Package contents

TBD.

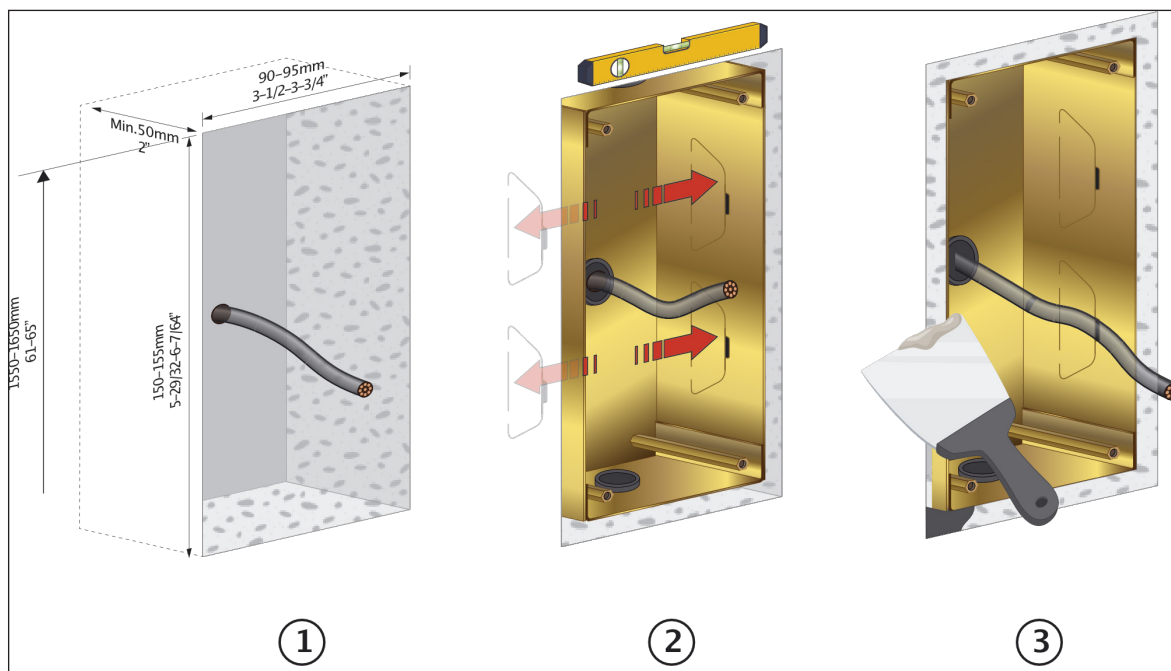
3.2.2 Installation dimensions Robin ProLine Compact

See the drawing for the dimensions of the Robin ProLine SIP Compact. It ships with either a surface mount box or a flush mount box.

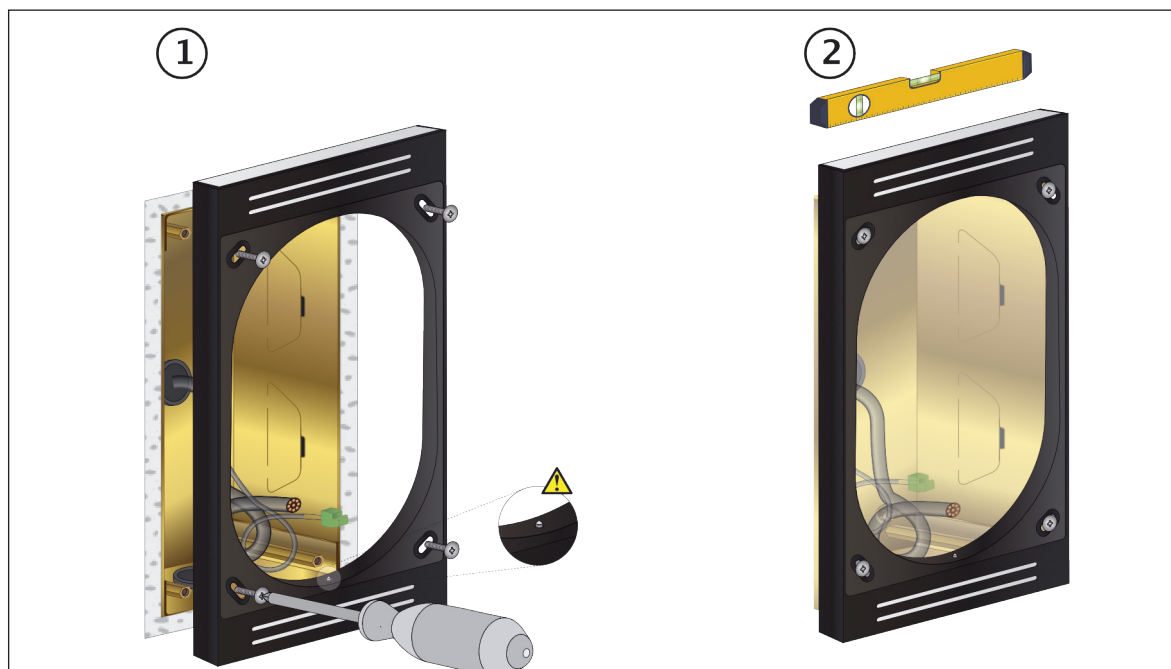


3.2.3 Mounting the Robin ProLine Compact with ambient light using the flush mount box

For mounting in a stone wall, make a recess in the wall with the indicated dimensions (1). Drill a hole through the wall for the Ethernet cable and optional electronic door lock cable. Pass the cables through one of the three holes in the flush-mounting box. Make sure the flush-mounting box is level and flush with the wall. Bend the four tabs outward so that it is fixed in position (2). Fill the space between the flush-mounting box and the wall with wall filler and let it dry (3).



Screw the ambient light frame onto the flush-mounted box, make sure the screw hole is at the bottom. It still needs to be adjustable (1).
Level and tighten the ambient light frame (2).
Connect the cabling.

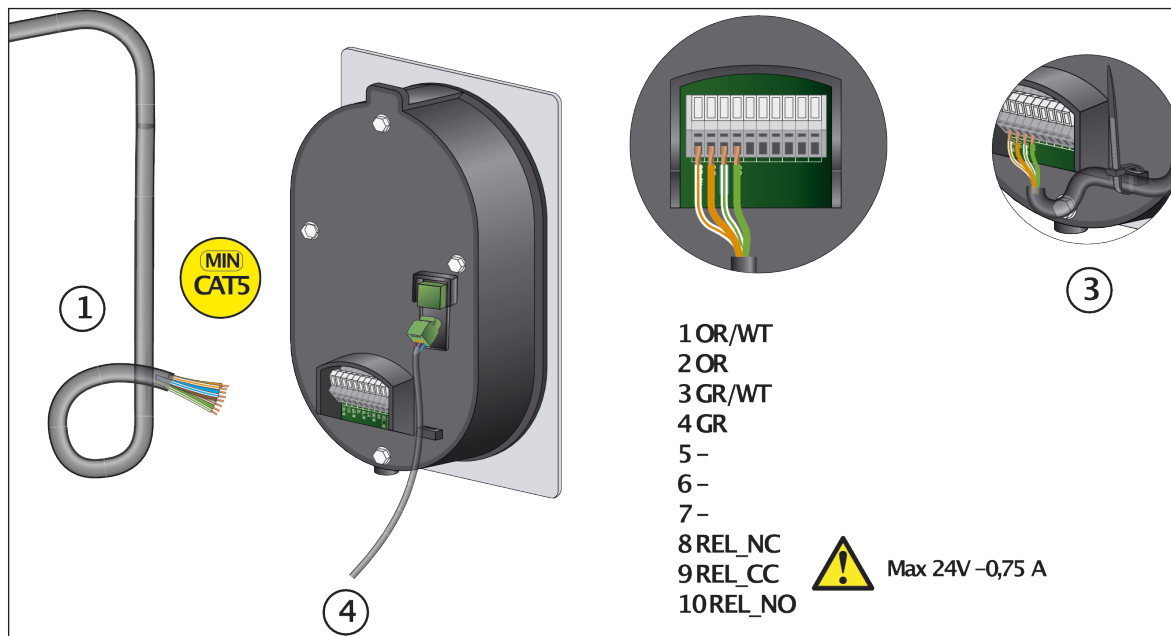


Connect the network cable (1). The colours for the individual cores must match the colour coding on the PCB.

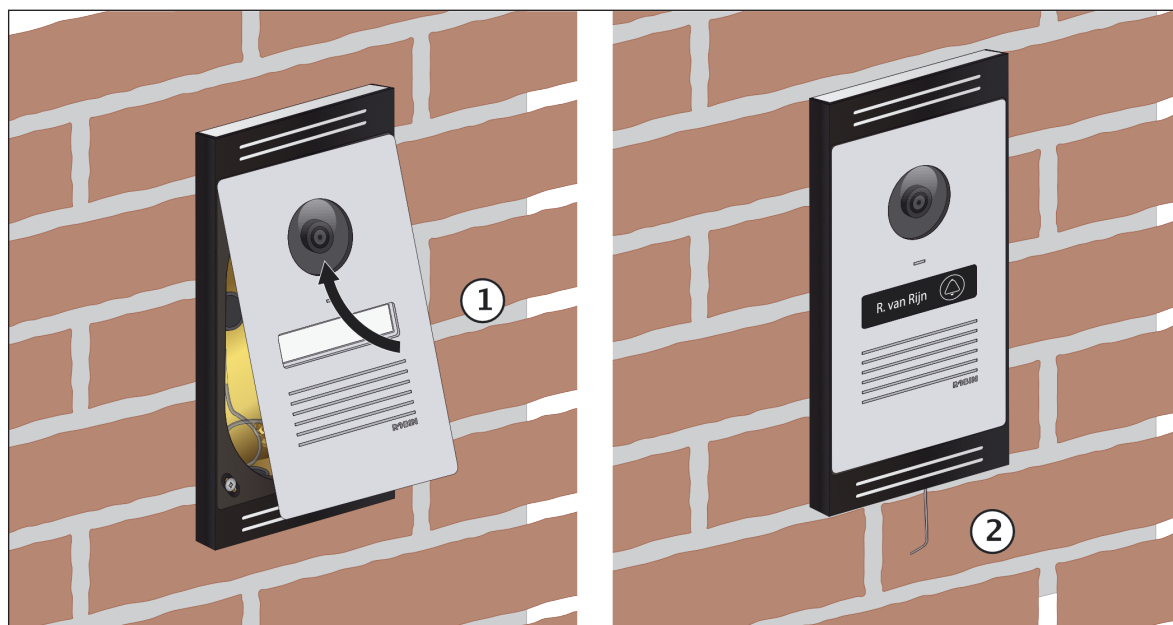
An additional cable (two-wire) is required for the optional electronic door lock (2).

Attach the cable(s) to the housing as a tension relief using the supplied tie wrap (3).

Connect the ambient light connector (4).



Place the unit at an angle on the ambient light frame and press (1). Screw the doorbell from the bottom using the supplied Allen key (2). Do not over tighten!.



3.2.4 Mounting the Robin ProLine Compact with ambient light using the surface mount box

Keep the surface-mounting box in the right place on the wall and make sure it is level.

Mark the four mounting holes on the wall with a pencil. Also mark the point where to make the hole for the intercom cables.

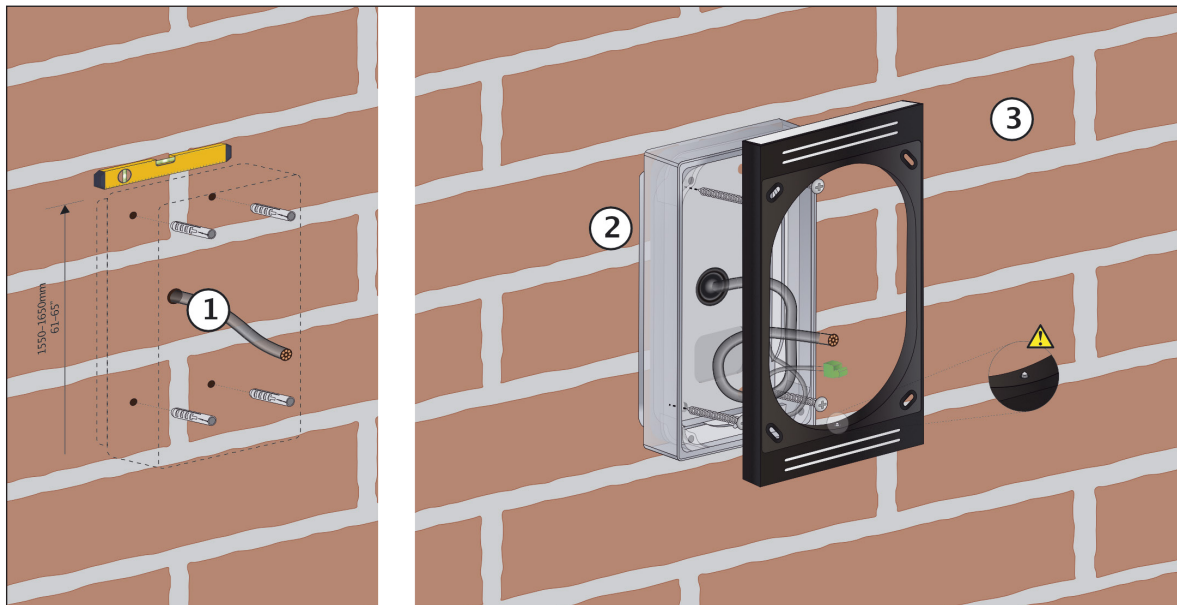
Drill the holes.

Feed the Ethernet cable and optionally electronic door lock cable through the drilled hole (1).

Screw the surface-mounting box to the wall (2).

Mount the ambient light frame on the surface box with the screw hole at the bottom (3).

Connect the unit.

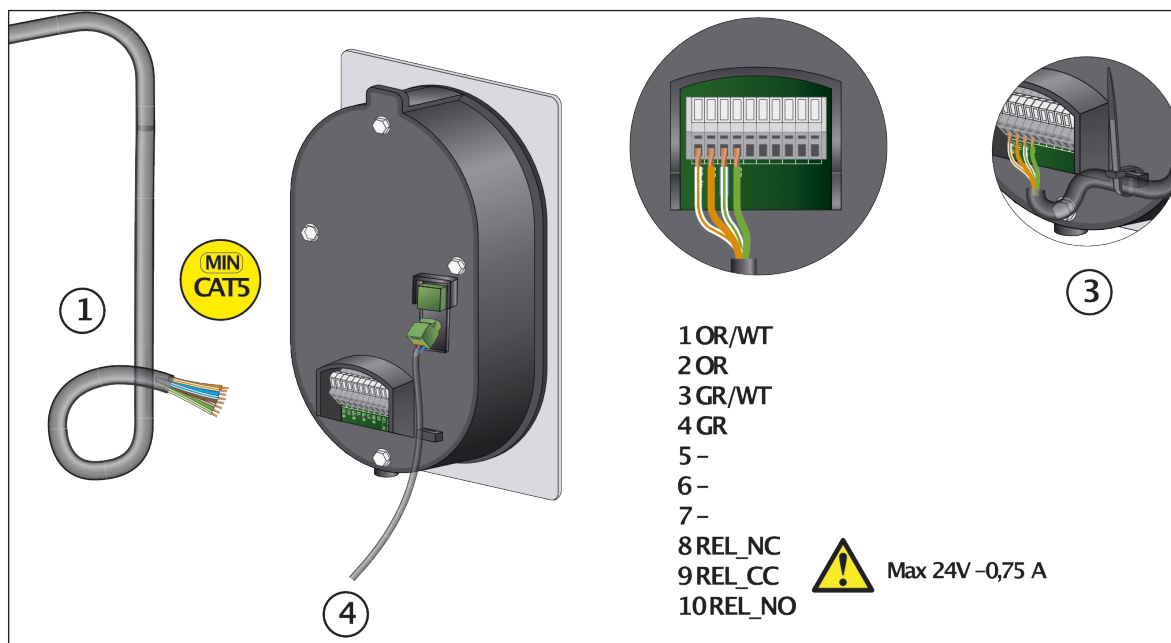


Connect the network cable (1). The colours for the individual cores must match the colour coding on the PCB.

An additional cable (two-wire) is required for the optional electronic door lock (2).

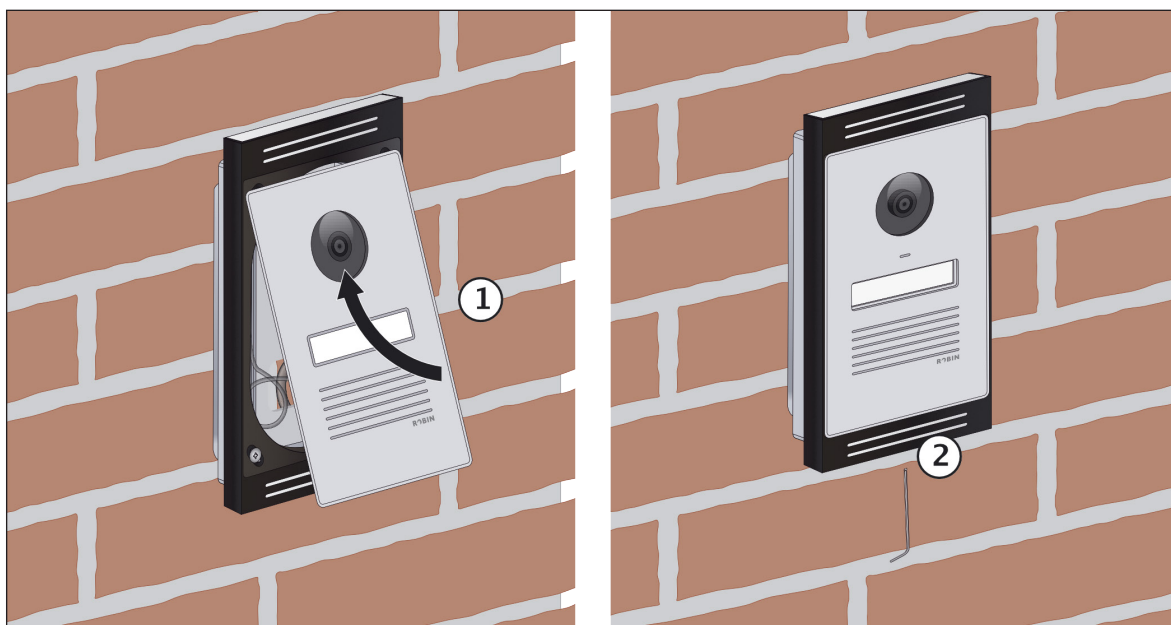
Attach the cable(s) to the housing as a tension relief using the supplied tie wrap (3).

Connect the ambient light connector (4)



Place the unit at an angle on the ambient light frame and press (1).

Screw the intercom from the bottom using the supplied Allen key (2). Do not over tighten!



4 System installation

4.1 Requirements prior to installation

Network connection with PoE (Power over Ethernet) is used to power the Robin; the power supply must be 802.3af / 802.3at compatible.

PC with web browser.

The following web browsers are supported:

- FireFox
- Safari
- Google Chrome

Network with or without DHCP support (DHCP support is recommended)

Network cable

Optional - Two-wire cable for optional electronic door lock operation

4.2 Connecting the Robin to a network

Connect the Robin to the network via the network connection socket on the rear. The Robin will boot automatically. This will take ± 30 seconds.

! Note: The length of the Ethernet cable may not exceed 100 metres. This is a limit of the Ethernet standard. !

4.2 Connecting to the Robin from a webbrowser

By default, the Robin is configured to use a DHCP server to retrieve an IP address. After first boot when new or after a reset to factory defaults the Robin will announce its IP address when the call button is pressed.

Enter the IP address of the Robin in the address bar of the web browser in order to access the web interface.

The Robin can now be configured via the web interface (see Chapter 5, Configuration).

5 Configuration

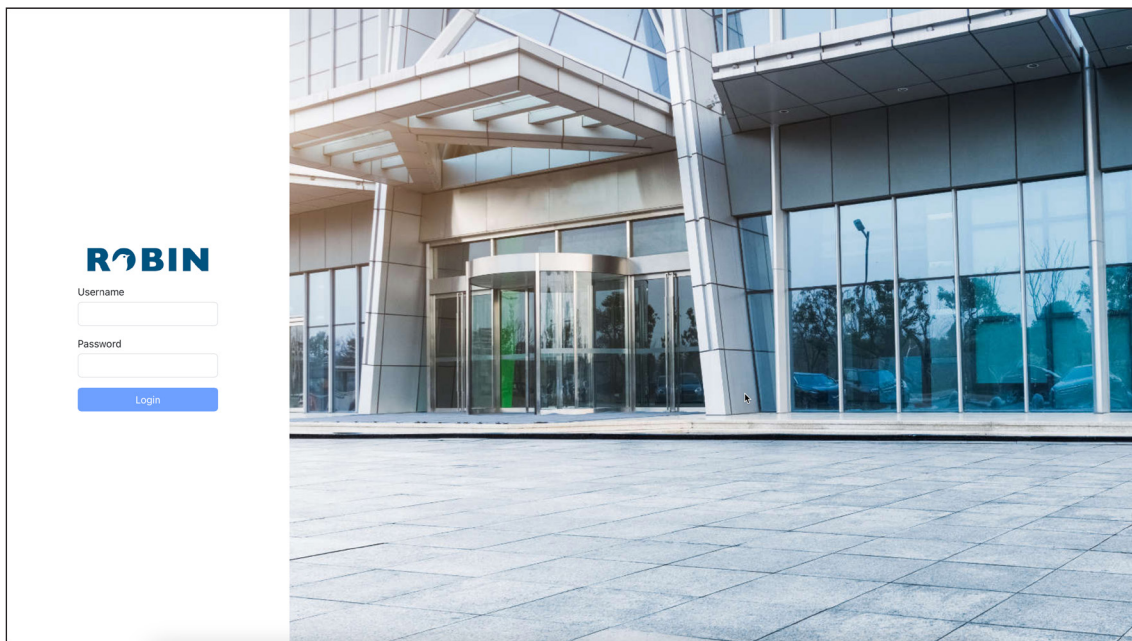
5.1 Logging in to the Robin

Log in to the Robin using the following default credentials:

Administrator - Login: admin, Password: 123qwe

! Note: Change the password immediately after installation (menu -System-Security-). The use of strong passwords is highly recommended !

The Robin will warn you when the default password for the Administrator hasn't been changed yet and will keep warning you until the default password is changed.



5.2 Configuration of the Robin

The Robin web interface consists of 5 menus; Telephony, Audio, Video, Network and System.

Telephony

In the Telephony menu, configure all of the settings that are required for the communication part of the Robin.

Audio

In the Audio menu, various modifications to the sound and sound processing features of the Robin can be made, such as loudspeaker volume and microphone sensitivity.

Video

In the Video menu, change the video settings, view live video and configure motion detection.

Network

In the Network menu, view and change the network configuration settings and configure RTSP.

System

In the System menu, view and change generic settings.

! Note: In the Robin software you'll note a blue APPLY SETTINGS button. Use this button to confirm and activate all the changed settings. !


5.2.1 Telephony

5.2.1.1 Telephony / SIP

Configure up to four SIP accounts. These accounts can be registered simultaneously and selected per address book entry.

General

• Description	Descriptive name of this SIP account
• SIP protocol	Select the SIP protocol (UDP / TCP / TLS)
• SIP proxy / registrar	Enter the IP address or hostname for the IP-PBX or VoIP provider
• SIP proxy port number	Enter the IP port number for the IP-PBX or VoIP provider
• Line ID	Enter the Line-ID. If not available, use the same name as the 'Authentication Username'
• Username	Enter the authentication username for registration to the IP-PBX or VoIP provider
• Password	Enter the password for registration to the IP-PBX or VoIP provider
• Register	Activates or deactivates registration to for registration to the IP-PBX or VoIP provider
• Status	Shows registration status



Telephony

Logout

Account 1 Account 2 Account 3 Account 4

General Advanced

- Description: Account 1
- SIP Protocol: TCP
- SIP proxy / Registrar: Enter host
- SIP Proxy port number: 5060
- Line ID: Enter username
- Username: Enter auth_username
- Password: Enter password
- Register:
- Registration status:

Apply Settings

Advanced

• Outbound proxy	Select this option when a SIP proxy server is used
• Outbound proxy host	Enter the IP address or hostname of the proxy server
• Outbound proxy port	Enter the IP port of the proxy server
• DNSsrv	Select this option when DNSsrv is used
• Audio RTP port start	Enter the lowest IP port that can be used for the RTP audio stream
• Audio RTP port end	Enter the highest IP port that can be used for the RTP audio stream
• Video RTP port start	Enter the lowest IP port that can be used for the RTP video stream
• Video RTP port end	Enter the highest IP port that can be used for the RTP video stream
• RTP port random	Randomize the used RTP ports (default: off)
• SIP port random	Randomize the used SIP port (default: on)
• Keep alive	Enable keep alive packages (default: on)
• Enable REFER	Accept 'REFER' packages (default: off)
• Expires	Set the re-registration timer for SIP (default: 3600)

The screenshot displays the 'Telephony' configuration page for 'Account 1'. The interface includes a sidebar with navigation options like 'SIP', 'Phonebook', 'Call Settings', 'Call Log', 'Control', 'Peer To Peer', 'Audio', 'Video', 'Network', and 'System'. The main content area is titled 'Telephony' and has tabs for 'Account 1', 'Account 2', 'Account 3', and 'Account 4'. Under the 'Advanced' tab, the following settings are visible:

- Outbound proxy:
- DNS SRV:
- Audio RTP port start: 4000
- Audio RTP port end: 4499
- Video RTP port start: 4500
- Video RTP port end: 5000
- RTP port random:
- SIP port random:
- Keepalive:
- Enable REFER:
- Expires: 3600

An 'Apply Settings' button is located at the bottom right of the configuration area.

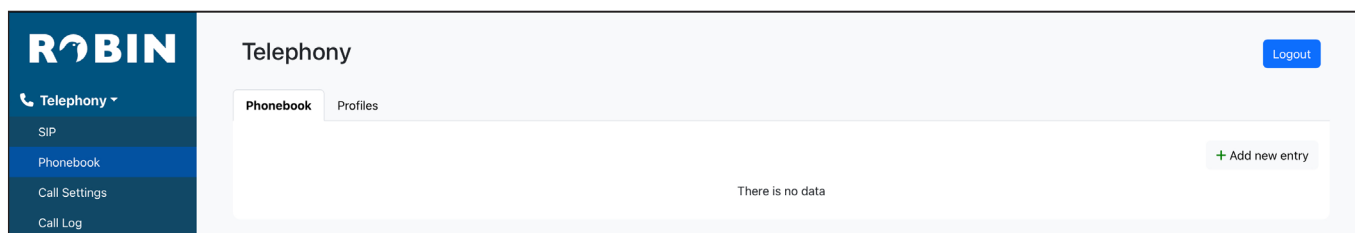
5.2.1.2 Telephony / Phonebook

Configure the call destinations for the Robin.

The Phonebook can hold multiple phonebook entries, each holding a telephone number / extension.

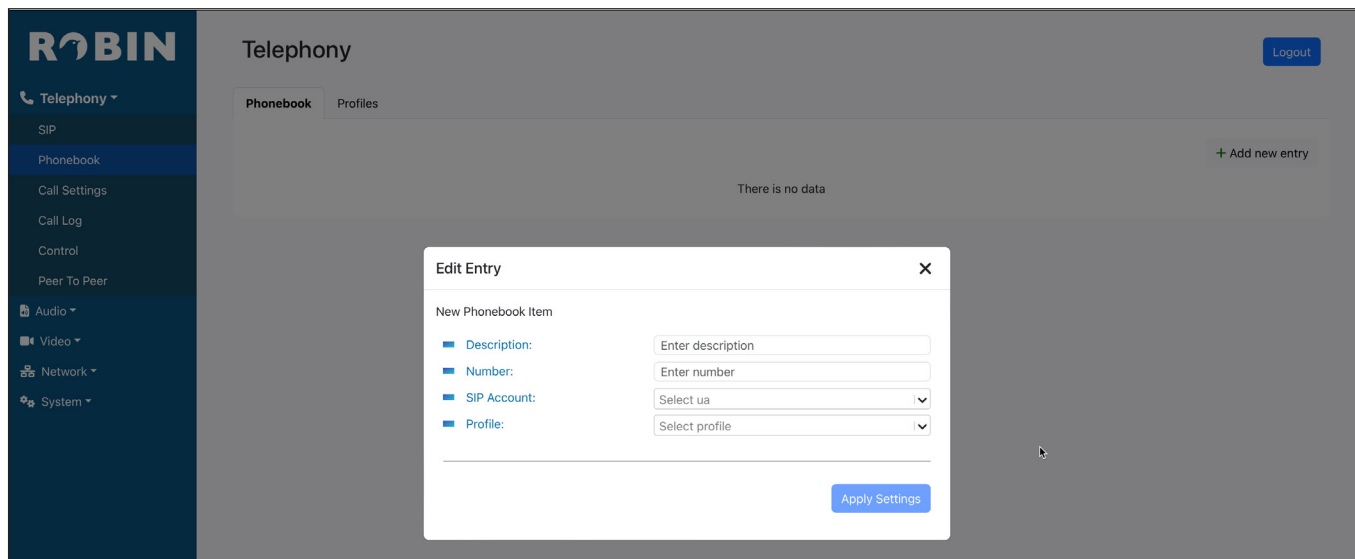
Use the green and red action buttons to setup a test call to test the phonebook entry.

Phonebook





To add a new phonebook entry, click the 'Add new entry button'.

• Description	A descriptive name for this phonebook entry
• Number	The destination to dial
• SIP Account	Select the SIP account to use for this phonebook entry
• Profile	Select a call profile to use for this phonebook entry



The screenshot shows the 'Telephony' section of the Robin SIP ProLine HD web interface. The left sidebar contains a navigation menu with 'Telephony' expanded, showing options like SIP, Phonebook, Call Settings, Call Log, Control, Peer To Peer, Audio, Video, Network, and System. The main content area is titled 'Telephony' and has two tabs: 'Phonebook' (selected) and 'Profiles'. A 'Logout' button is in the top right. Below the tabs, there is a '+ Add new entry' button and the text 'There is no data'. An 'Edit Entry' dialog box is open, titled 'New Phonebook Item'. It contains four fields: 'Description' (Test description), 'Number' (12345), 'SIP Account' (Account 1), and 'Profile' (Default). An 'Apply Settings' button is at the bottom right of the dialog.

The screenshot shows the 'Telephony' section of the Robin SIP ProLine HD web interface. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Telephony' and has two tabs: 'Phonebook' (selected) and 'Profiles'. A 'Logout' button is in the top right. Below the tabs, there is a '+ Add new entry' button. A table displays the phonebook entries:

Description	Number	SIP	Profile	Actions
Test description	12345	Account 1	Default	 

At the bottom right of the table, there are two icons: a green checkmark and a red trash can.

Profiles

Configure custom call profiles.

A call profile contains call related settings, such as Codecs used and video parameters. Each phonebook entry can be configured with a specific call profile.

By default, two profiles are already configured, 'Default' and 'Teams'. Default is the default profile and Teams is a profile optimized for use with the CyberGate service (connection to Microsoft Teams). Both profiles can be modified.

To add a new profile entry, click the 'Add new entry button'.

• Description	A descriptive name for this profile entry
• Codec ulaw	Support for the G.711 ulaw audio codec
• Codec alaw	Support for the G.711 alaw audio codec
• Codec g722	Support for the G.722 codec (HD audio)
• Codec opus	Support for the OPUS codec (HD audio)
• DTMF event payload type	Change the payload type for DTMF signal transmission (default: 101)
• Codec h264	Support for the H.264 video codec
• Videosize	Select the video resolution
• H264 payload type	Change the 'payload type' for H.264 video codec (default: 99)
• Bitrate (kbps)	Select the maximum video bit rate. A high bit rate = higher video quality but more bandwidth usage

The screenshot shows the 'Profiles' configuration page in the Robin SIP ProLine HD web interface. The page is titled 'Telephony' and has a sidebar with navigation options: Telephony, SIP, Phonebook, Call Settings, Call Log, Control, Peer To Peer, and Audio. The main content area is titled 'Telephony' and has tabs for 'Phonebook' and 'Profiles'. The 'Profiles' tab is active, showing a table with columns for Description, Codec, and Video Resolution. There are two entries: 'Default' and 'Teams'. Each entry has edit and delete icons. An '+ Add new entry' button is in the top right of the table area. A 'Logout' button is in the top right of the page.

Description	Codec	Video Resolution
Default	uLaw, aLaw, opus, g722, h264	1280x720
Teams	uLaw, aLaw, opus, g722, h264	1920x1080

Telephony Logout

Phonebook **Profiles**

+ Add new entry

Edit Entry ✕

New Profile

- Description:
- Codec uLaw:
- Codec aLaw:
- Codec g722:
- Codec opus:
- DTMF event payload type:
- Codec h264:
- Videosize:
- H264 payload type:
- Bitrate (kbps):

[Apply Settings](#)

Description	Codec	Video Resolution		
Default	uLaw, aLaw, opus, g722, h264	1280x720	✎	✖
Teams	uLaw, aLaw, opus, g722, h264	1920x1080	✎	✖

Telephony Logout

Phonebook **Profiles**

+ Add new entry

Edit Entry ✕

New Profile

- Description:
- Codec uLaw:
- Codec aLaw:
- Codec g722:
- Codec opus:
- DTMF event payload type:
- Codec h264:
- Videosize:
- H264 payload type:
- Bitrate (kbps):

[Apply Settings](#)

Description	Codec	Video Resolution		
Default	uLaw, aLaw, opus, g722, h264	1280x720	✎	✖
Teams	uLaw, aLaw, opus, g722, h264	1920x1080	✎	✖

Telephony Logout

Phonebook **Profiles**

+ Add new entry

Description	Codec	Video Resolution		
Default	uLaw, aLaw, opus, g722, h264	1280x720	✎	✖
Teams	uLaw, aLaw, opus, g722, h264	1920x1080	✎	✖
Test profile	uLaw, aLaw, opus, g722, h264	640x480	✎	✖

5.2.1.3 Telephony / Call settings

Call priority

Configure the numbers to dial. If the first number is engaged or not answering* it will continue with the second number. If the second number is engaged or not answering it will continue with the third number.

*** Change the no answer duration in -Telephony-Call settings-Advanced- using the 'No answer timeout' option.**

• First	Select the first number to dial
• Second	Select the second number to dial
• Third	Select the third number to dial

The screenshot displays the 'Telephony' configuration page in the Robin SIP ProLine HD web interface. The page has a dark blue sidebar on the left with the 'ROBIN' logo and a menu containing 'Telephony', 'SIP', 'Phonebook', 'Call Settings', 'Call Log', 'Control', 'Peer To Peer', 'Audio', and 'Video'. The main content area is titled 'Telephony' and includes a 'Logout' button in the top right corner. Below the title, there are three tabs: 'Call Priority', 'Timeslots', and 'Advanced'. The 'Call Priority' tab is active, showing three rows of settings: 'First:', 'Second:', and 'Third:'. Each row has a corresponding dropdown menu with the text 'Select first', 'Select second', and 'Select third' respectively. An 'Apply Settings' button is located at the bottom right of the settings area.

Timeslots

Define which number to dial during timeslots. Timeslots overrule the Call priority setting. To add a new Timeslot, click the 'Add new entry button'.

• Schedule	Select a defined schedule*
• Extension	Select a number to dial

* **Call schedules can be defined in the menu -System-Schedules-.**

ROBIN Telephony Logout

Call Priority **Timeslots** Advanced

+ Add new entry

There is no data

Edit Entry X

New Timeslot Item

■ **Schedule:**

■ **Extension:**

[Apply Settings](#)

ROBIN Telephony Logout

Call Priority **Timeslots** Advanced

+ Add new entry

Schedule	Extension	
Test schedule	Test	✎ ✖

Advanced

Define call related settings.

• Auto answer	Enables auto answering of incoming calls (default: on)
• Auto answer delay	Answer incoming calls after X seconds (default: 1)
• No answer timeout	End call attempt after X seconds (default: 60)
• Max call duration	Maximum duration of a call in minutes (default: 3)

The screenshot shows the 'Telephony' configuration page in the Robin SIP ProLine HD interface. The 'Advanced' tab is selected, and the following settings are visible:

- Auto answer:** Enabled (toggle switch)
- Auto answer delay:** 1 (input field)
- No answer timeout:** 60 (input field)
- Max call duration:** 3 (input field)

Buttons for 'Logout' and 'Apply Settings' are also visible.

5.2.1.4 Telephony / Call Log

Call Log

Displays all outgoing and incoming calls.

The screenshot shows the 'Call Log' view in the Robin SIP ProLine HD interface. The 'Call Log' tab is selected, and the following call record is displayed:

Time	Number	Direction	Answered	Result
12/06/2024, 10:06:40	k[redacted]@cybergate.cybertwice.com	outgoing	true	hangup

Buttons for 'Clear call log', 'First', '1', and 'Last' are also visible.

5.2.1.5 Telephony / Control

Call

The Control menu allows you to manually initiate and end a call from the Robin.

• Call	Initiate the call
• Hangup	End the call
• Registration status	Shows the SIP registration status
• Call status	Shows the Call status (idle, ringing, connected)

The screenshot displays the Robin SIP ProLine HD web interface. On the left is a dark blue sidebar with the 'ROBIN' logo and a navigation menu. The 'Telephony' menu is expanded, showing options: SIP, Phonebook, Call Settings, Call Log, Control (highlighted in blue), Peer To Peer, Audio, Video, Network, and System. The main content area is titled 'Telephony' and has a 'Logout' button in the top right. Below the title is a 'Call' tab. The interface shows four status indicators on the left: 'Call:', 'Hangup:', 'Registration status:', and 'Call status:'. On the right, there are two buttons: a blue 'Call' button and a grey 'Hangup' button. Below the buttons, the registration status is shown as 'Registered' and the call status as 'Idle'.

5.2.1.5 Telephony / Peer To Peer

The Peer To Peer feature enables the communication between the Robin and a SIP phone without the use of a SIP IP-PBX or VoIP Provider.

Use Peer to Peer by enabling the feature, create a Peer to Peer specific Phonebook entry (with call profile) and register the SIP phone to the Robin.

Settings

• Peer to peer	Enable Peer To Peer functionality (default: off)
----------------	--------------------------------------------------



Phonebook

To add a new phonebook entry, click the 'Add new entry button'.

• Description	A descriptive name for this phonebook entry, this also is the authentication username to use in the Peer To Peer SIP phone
• Profile	Select a call profile to use for this phonebook entry

The screenshot shows the 'Telephony' section of the Robin SIP ProLine HD web interface. The 'Phonebook' tab is active. A modal dialog titled 'Edit Entry' is open, showing the configuration for a 'New Phonebook Item'. The 'Description' field contains 'test-peer2peer' and the 'Profile' dropdown is set to 'Default'. An 'Apply Settings' button is visible at the bottom right of the dialog. The background shows a message 'There is no data' and a '+ Add new entry' button.

The screenshot shows the 'Telephony' section of the Robin SIP ProLine HD web interface. The 'Phonebook' tab is active. A table displays the phonebook entries. There is one entry with the description 'test-peer2peer' and profile 'Default'. The 'Actions' column contains a green phone icon and a red trash icon. A '+ Add new entry' button is located at the top right of the table area.

Description	Profile	Actions
test-peer2peer	Default	 

Profiles

The Profiles menu is identical to the Profiles menu in the SIP-Phonebook menu.

To add a new profile entry, click the 'Add new entry button'.

• Description	A descriptive name for this profile entry
• Codec ulaw	Support for the G.711 ulaw audio codec
• Codec alaw	Support for the G.711 alaw audio codec
• Codec g722	Support for the G.722 codec (HD audio)
• Codec opus	Support for the OPUS codec (HD audio)
• DTMF event payload type	Change the payload type for DTMF signal transmission (default: 101)
• Codec h264	Support for the H.264 video codec
• Videosize	Select the video resolution
• H264 payload type	Change the 'payload type' for H.264 video codec (default: 99)
• Bitrate (kbps)	Select the maximum video bit rate. A high bit rate = higher video quality but more bandwidth usage

The screenshot shows the Robin SIP ProLine HD web interface. The left sidebar contains the 'ROBIN' logo and a navigation menu with 'Telephony' expanded to show 'SIP', 'Phonebook', 'Call Settings', 'Call Log', 'Control', 'Peer To Peer', 'Audio', 'Video', and 'Network'. The main content area is titled 'Telephony' and has tabs for 'Settings', 'Phonebook', and 'Profiles'. A 'Logout' button is in the top right. Below the tabs is a '+ Add new entry' button. A table lists three profile entries:

Description	Codec	Video Resolution		
Default	uLaw, aLaw, opus, g722, h264	1280x720		
Teams	uLaw, aLaw, opus, g722, h264	1920x1080		
Test profile	uLaw, aLaw, opus, g722, h264	640x480		

5.2.1.5.1 Peer To Peer - Settings in the SIP phone for Peer To Peer

After configuring Peer To Peer settings in the Robin, the SIP phone connected to the Robin also has to be configured to contact the Robin.

Configure the SIP phone with the following data:

SIP phone SIP settings	
Authentication user name	Use the Description as configured in the Robin Phonebook
Register Name	Use the Description as configured in the Robin Phonebook
SIP User ID	Use the Description as configured in the Robin Phonebook
Password	Use a random password (this will be ignored by the Robin)
SIP Registrar server / SIP server	Use the IP address of the Robin

5.2.2 Audio

5.2.2.1 Audio / Settings

Modify the audio related settings.

• Speaker volume	Set the speaker volume
• Microphone sensitivity	Set the microphone sensitivity
• Tone volume	Set the tone volume
• Mute	Select the audio source to mute (tones incoming, tones all, all audio)
• Test tone	Play an audio test tone through the speaker

The screenshot shows the 'Audio' settings page in the Robin web interface. The left sidebar contains navigation links for Telephony, Audio, Settings, Detection, Media, Video, Network, and System. The main content area is titled 'Audio' and has a 'Settings' tab selected. The settings are as follows:

- Speaker volume: 90
- Microphone sensitivity: 40
- Tone volume: 2
- Mute: Off
- Test tone:

A 'Logout' button is located in the top right corner of the main content area.

5.2.2.2 Audio / Detection

The Robin is capable of detecting sound through the microphone.

This detection mechanism can trigger Actions, such as activation of a relay switch or automatic calling to a phone. These actions can be defined in the menu -System-Events-.

Depending on the location of the Robin and the type of sound that should trigger the detection, two parameters can be set: the volume and the duration.

Short audio spikes can be filtered by increasing the duration setting. Background noise can be filtered by increasing the threshold.

When audio detection is enabled, the graph will show the detection status:

The colour of the bars is green (= no detection) or red (= detection)

The red line indicates the boundary of the detection area.

The screenshot shows the Robin web interface with the 'Audio' menu selected. The 'Detection' tab is active. The 'Enabled' toggle is turned off. The 'Threshold' slider is set to 60 and the 'Duration' slider is set to 500. The detection chart area is empty.

The screenshot shows the Robin web interface with the 'Audio' menu selected. The 'Detection' tab is active. The 'Enabled' toggle is turned on. The 'Threshold' slider is set to 60 and the 'Duration' slider is set to 500. The detection chart area shows a red horizontal line at the top and several green vertical bars below it, indicating no detection.

5.2.2.3 Audio / Media

Media

Import audio files into the intercom and play them through the speaker. The audio files can be used as tones for various functions:

Events

Phone related functions (button, ring back, ring, disconnect, busy)

The screenshot shows the 'Audio' configuration page in the ROBIN interface. The left sidebar contains navigation options: Telephony, Audio (selected), Settings, Detection, Media, Video, Network, and System. The main content area is titled 'Audio' and 'Media Mapping'. It features a table with the following entries:

Name	Play	Refresh	Delete
button			
factory			
identify			
startup			

An '+ Add new entry' button is located at the top right of the table area. A 'Logout' button is in the top right corner of the page.

To add a new media, click the 'Add new entry button'.

• Name	A descriptive name for this media file
• Upload	Select media to upload (wav or mp3, Max. size 1MB)

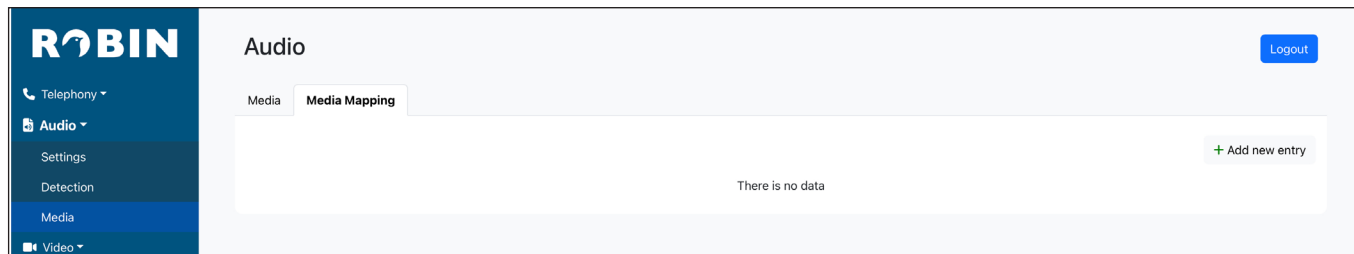
The screenshot shows the 'Audio' configuration page with an 'Edit Entry' dialog box open. The dialog box contains the following fields:

- Name:** Enter name
- Upload:** Choose File no file selected

An 'Apply Settings' button is located at the bottom right of the dialog box.

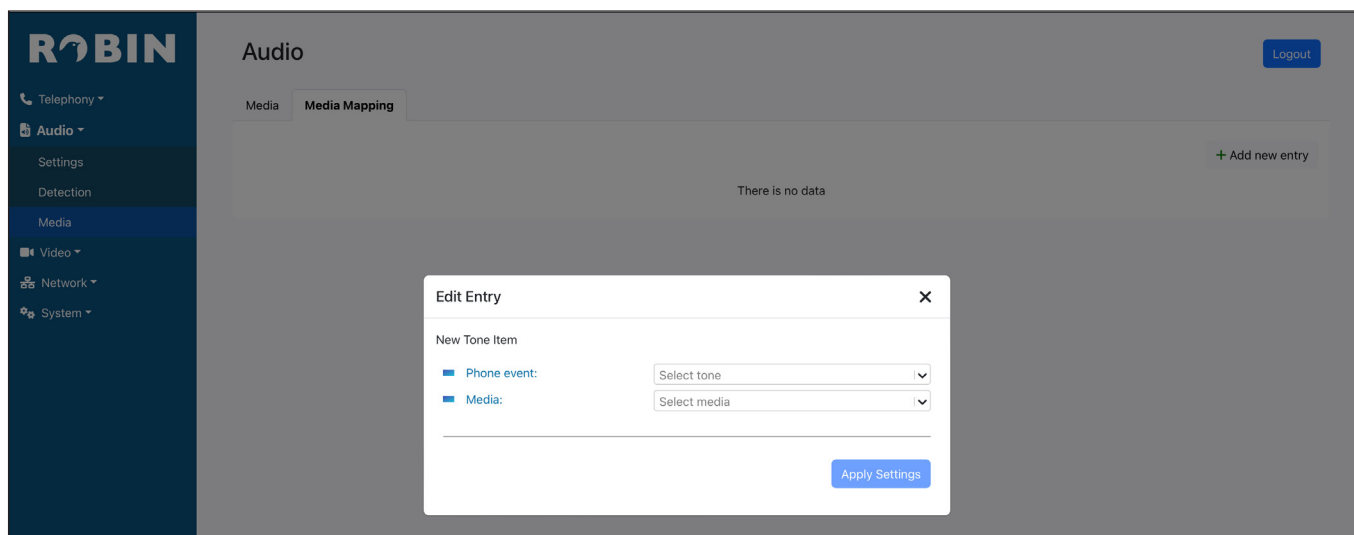
Media Mapping

Map a media file to a function of the Robin.



To map media, click the 'Add new entry button'.

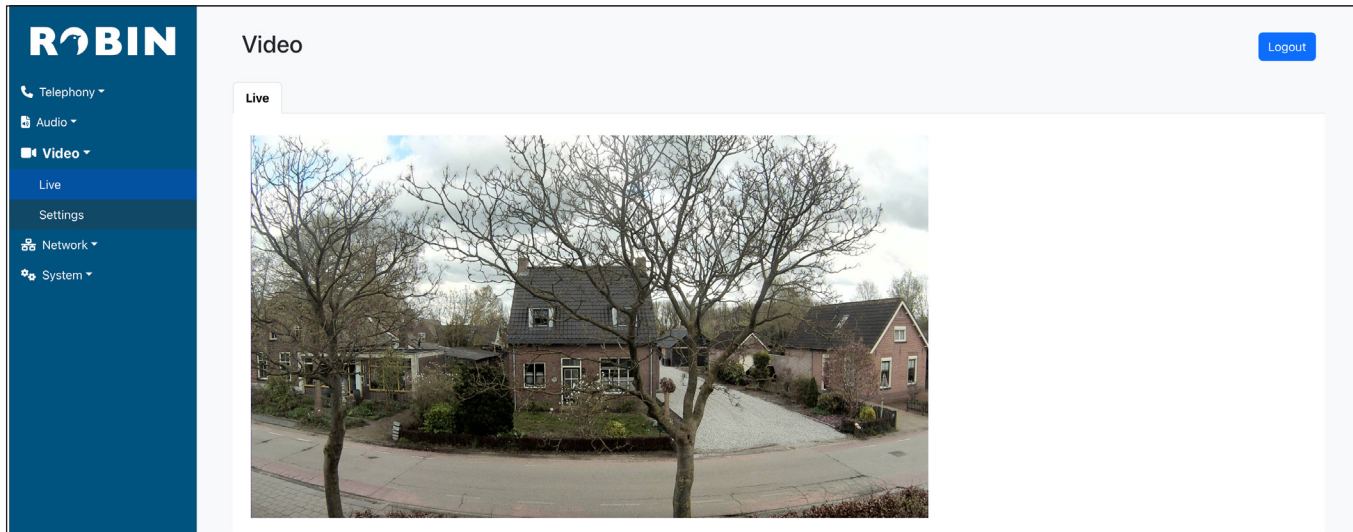
<ul style="list-style-type: none"> • Phone event 	<p>Select the phone related function:</p> <p>Button - Sounds when the button is pushed</p> <p>Ring - Sounds when a someone is calling to the Robin</p> <p>Ring back - Sounds when the Robin is calling a number</p> <p>Disconnect - Sounds when the call is ended</p> <p>Busy - Sounds when the called number is busy</p>
<ul style="list-style-type: none"> • Media 	<p>Select media</p>



5.2.3 Video

5.2.3.1 Video / Live

Shows real time video captured by the camera. Click on the image to toggle between full screen video or framed video.



5.2.3.1 Video / Settings

General

Modify video related settings.

• Resolution	Select the resolution used for RTSP
• Brightness	Modify the brightness
• Contrast	Modify the contrast
• Saturation	Modify the colour saturation
• Sharpen	Modify the sharpness setting
• HDR	Enable / disable HDR (High Dynamic Range). HDR improves the image when high contrasts occur (default: on)

The screenshot displays the 'Video' configuration page in the Robin SIP ProLine HD web interface. On the left is a navigation menu with options: Telephony, Audio, Video (selected), Live, Settings, Network, and System. The main content area is titled 'Video' and has two tabs: 'General' (active) and 'Advanced'. A 'Logout' button is in the top right corner. Below the tabs is a live video feed showing a house. Underneath the video feed are the following settings:

- Resolution: 1920x1080 (dropdown menu)
- Brightness: 50 (slider)
- Contrast: 50 (slider)
- Saturation: 50 (slider)
- Sharpen: 100 (slider)
- HDR: (toggle switch)

Product ID: C83050

Advanced

Modify settings related to H.264 and MJPEG.

- | | |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">• Jpeg quality | Modify the quality of the video in the web browser
Increasing will lead to a more bandwidth usage |
| <ul style="list-style-type: none">• Bitrate | Set the H.264 encoding bitrate, used for RTSP |

The screenshot displays the 'Video' configuration page in the Robin SIP ProLine HD web interface. The page is titled 'Video' and includes a 'Logout' button in the top right corner. The 'Advanced' tab is selected, showing two settings: 'Jpeg quality' with a slider set to 70, and 'Bitrate' with a dropdown menu set to 2048. The left sidebar contains navigation options: Telephony, Audio, Video, Live, Settings, Network, and System.

5.2.4 Network

5.2.4.1 Network / Status

Network status shows the active network information.

• MAC address	Shows the network MAC address
• IPv4 address	Shows the active IP address
• Default gateway	Shows the IP address for the gateway
• Primary DNS	Shows the IP address for the primary DNS
• Secondary DNS	Shows the IP address for the secondary DNS
• Linkstate	Shows the speed and status of the Ethernet link
• IPv4 link-local address	Shows the link-local fallback address

ROBIN Network Logout

Status

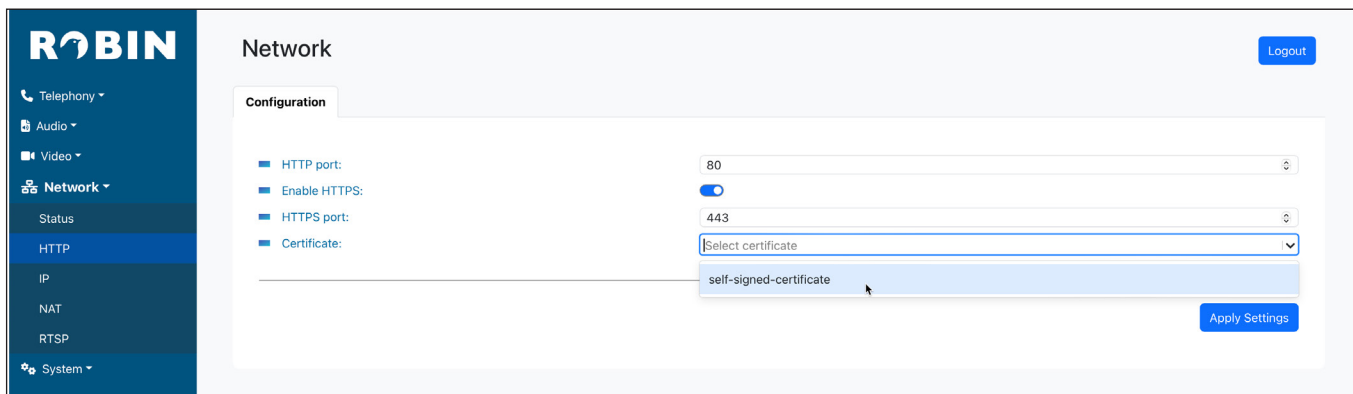
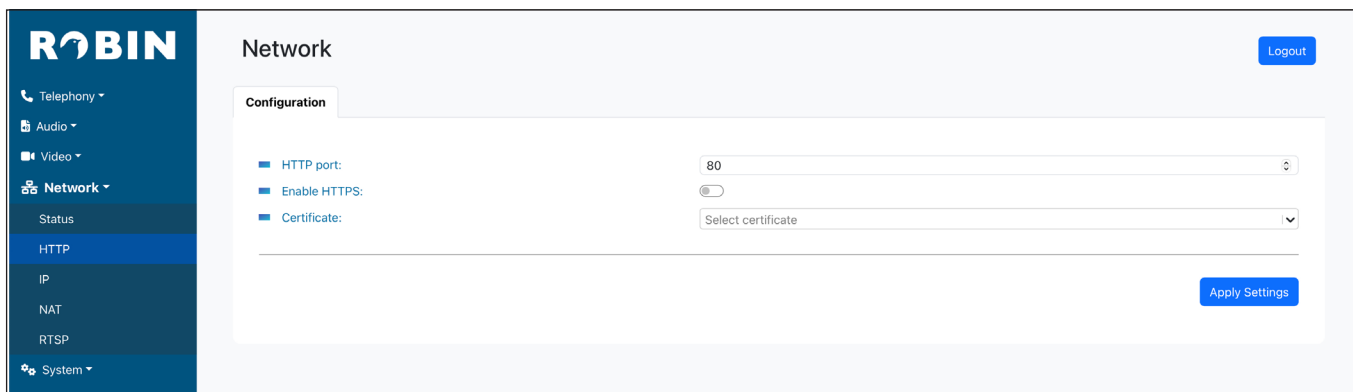
- MAC address: 00:1d:02:43:F2:07
- IPv4 address: 192.168.160.166/24
- Default gateway: 192.168.160.5
- Primary DNS: 8.8.8.8
- Secondary DNS: 8.8.4.4
- Link state: 100 Mbps Full-Duplex
- IPv4 link-local address: 169.254.109.145/16

5.2.4.2 Network / HTTP

Configuration

Configure HTTP and HTTPS.

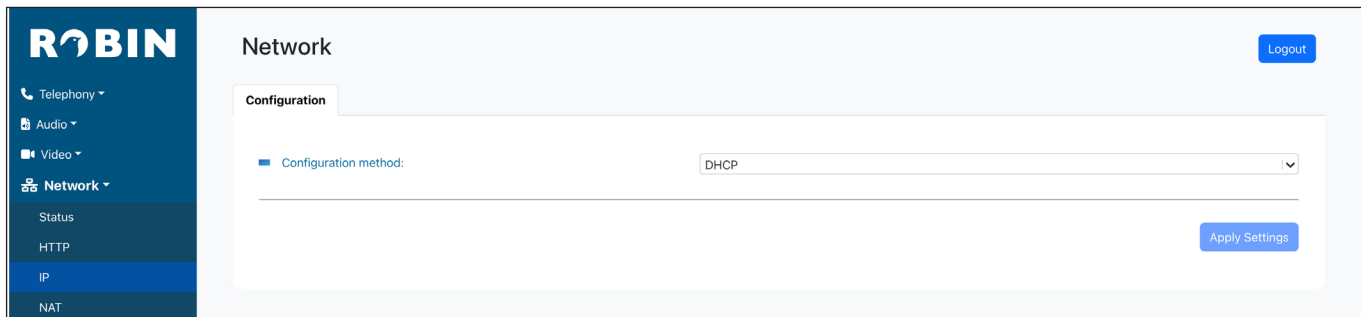
<ul style="list-style-type: none"> • HTTP port 	Set the IP port for HTTP (default: 80)
<ul style="list-style-type: none"> • Enable HTTPS 	Enable HTTPS access (default: off)
<ul style="list-style-type: none"> • HTTPS port 	Set the IP port for HTTPS (default: 443)
<ul style="list-style-type: none"> • Certificate 	Select a certificate for HTTPS



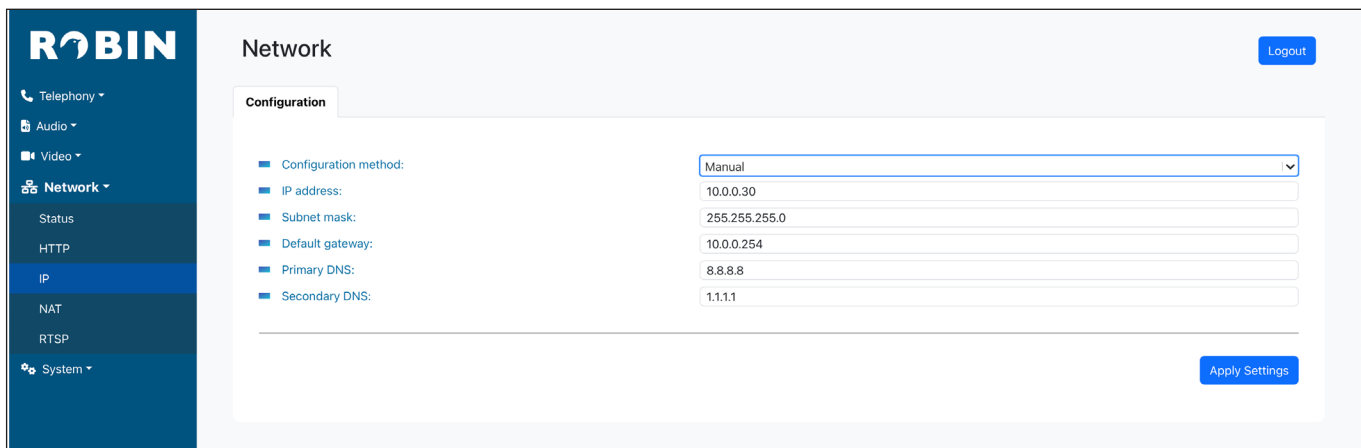
5.2.4.3 Network / IP

Configuration

- Configuration method Select DHCP or manual (default: DHCP)



- | | |
|-------------------|------------------------------------------|
| • IP address | Enter the IP address |
| • Subnet mask | Enter the IP netmask |
| • Default gateway | Enter the gateway or router address |
| • Primary DNS | Enter the IP address for the primary DNS |
| • Secondary DNS | Enter the IP address for a secondary DNS |



5.2.4.4 Network / NAT

Settings

Depending on the network configuration, you may need to enable NAT.

- | | |
|---------------|--------------------------------------|
| • NAT enabled | Enable the use of NAT (default: off) |
|---------------|--------------------------------------|

The screenshot shows the 'Network' settings page in the Robin SIP ProLine HD web interface. The 'NAT enabled' toggle is currently turned off. The interface includes a sidebar with navigation options like Telephony, Audio, Video, Network, Status, HTTP, IP, NAT, and RTSP. A 'Logout' button is visible in the top right corner.

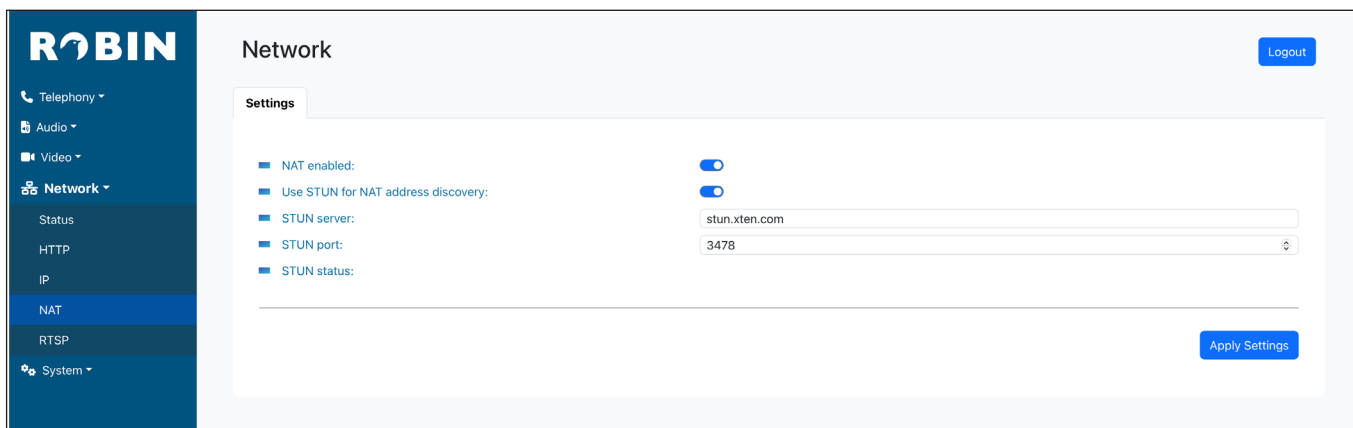
NAT Enabled

- | | |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| • NAT hostname | Enter the IP address or the hostname for NAT usage |
| • NAT port | Enter the port for NAT usage |
| • Use STUN for NAT address discovery | Activate this option if a STUN server is used for discovery of the WAN IP address (default: off) |
| • Use inband STUN for NAT address and port discovery | Activate this option if inband STUN is used for discovery of the WAN IP-address and the connection port to use with NAT (default: off) |

The screenshot shows the 'Network' settings page in the Robin SIP ProLine HD web interface with NAT enabled. The 'NAT enabled' toggle is turned on. The 'NAT hostname' field is empty, and the 'NAT port' is set to 5060. The 'Use STUN for NAT address discovery' and 'Use in-band STUN for NAT address and port discovery' toggles are turned off. The interface includes a sidebar with navigation options like Telephony, Audio, Video, Network, Status, HTTP, IP, NAT, RTSP, and System. A 'Logout' button is visible in the top right corner.

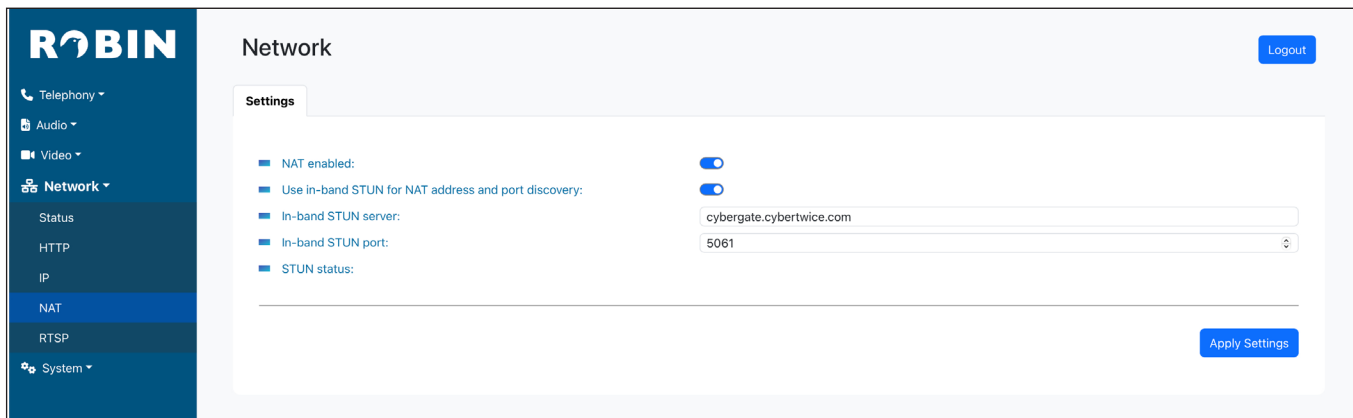
Use STUN for NAT address discovery enabled

<ul style="list-style-type: none"> • Stun server 	The STUN server that will be used to retrieve the WAN IP-address (default: stun.xten.com)
<ul style="list-style-type: none"> • Stun port 	The connection port of the STUN server (default: 3478)
<ul style="list-style-type: none"> • Stun status 	Displays the status of the STUN request and the retrieved WAN IP-address



Use inband STUN for NAT address and port discovery enabled

<ul style="list-style-type: none"> • In-band STUN server 	The STUN server that will be used
<ul style="list-style-type: none"> • In-band STUN port 	The connection port of the STUN server (default: 5060)
<ul style="list-style-type: none"> • STUN status 	Displays the status of the STUN request

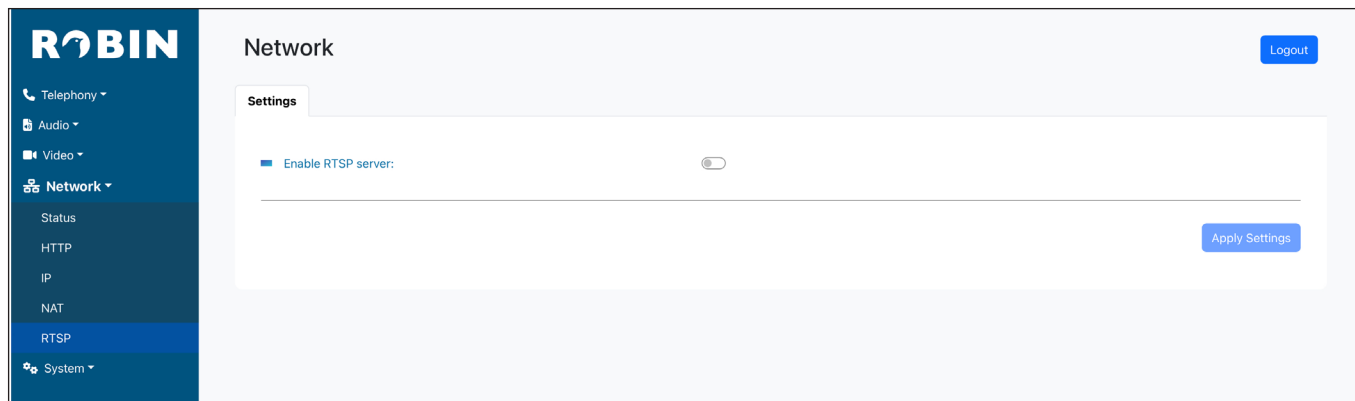


5.2.4.5 Network / RTSP

Settings

Stream video and audio through RTSP. The Robin uses H.264 for video and G.711 uLaw for audio.

- Enable RTSP server Enable RTSP (default: off)



The screenshot displays the configuration interface for the Robin SIP ProLine HD. On the left is a dark blue sidebar with the 'ROBIN' logo at the top and a 'Configuration' label. Below the logo are menu items: 'Telephony', 'Audio', 'Video', 'Network', 'Status', 'HTTP', 'IP', 'NAT', 'RTSP', and 'System'. The 'Network' menu item is selected. The main content area is titled 'Network' and contains a 'Settings' tab. Under the 'Settings' tab, there is a single configuration item: 'Enable RTSP server' with a toggle switch that is currently turned off. An 'Apply Settings' button is located at the bottom right of the settings area. A 'Logout' button is visible in the top right corner of the main content area.

RTSP server enabled

• RTSP port	Set the RTSP port (default: 554)
• Require authentication	Use RTSP authentication (default: on)
• Username	Username for access to the RTSP stream
• Password	Password for access to the RTSP stream
• Allow Multicast	Enable Multicast (default: on) *
• Multicast address	Set the multicast address
• Enable keep alive	Enable RTSP keep alive (default: on)
• Keep Alive Timeout	Set the keep alive timeout (default: 120)

* **Not every video application supports Multicast.**

The screenshot displays the 'Network' configuration page in the Robin SIP ProLine HD web interface. The left sidebar shows the navigation menu with 'RTSP' selected. The main content area is titled 'Network' and contains a 'Settings' section with the following configuration options:

- Enable RTSP server:
- RTSP port: 554
- Require authentication:
- Username: admin
- Password: ••••••
- Allow Multicast:
- Multicast address: 239.0.0.1
- Enable keep alive:
- Keep Alive Timeout: 120

Buttons for 'Logout' and 'Apply Settings' are visible in the top right and bottom right corners of the settings area, respectively.

5.2.5 System

5.2.5.1 System / Device

Info and identity

The Info and identity menu shows info of the Robin. The Device name, Device location and Device contact can be set for easy identification.

<ul style="list-style-type: none"> • Device name 	Descriptive name of the Robin
<ul style="list-style-type: none"> • Device location 	Set the location of the Robin, e.g. main entrance, loading door, barrier, etc.
<ul style="list-style-type: none"> • Device contact 	The person responsible for managing the Robin

The screenshot displays the Robin SIP ProLine HD configuration interface. On the left is a dark blue sidebar with the 'ROBIN' logo and a navigation menu including: Telephony, Audio, Video, Network, System (expanded), Device (selected), Clock, Events, Security, Schedules, Software, Streams, and Switch. The main content area is titled 'System' and contains a sub-menu with 'Info and identity' (selected) and 'Button'. The 'Info and identity' section shows the following details and input fields:

- Product name: ProLine SIP Intercom HD Video - 1 Button
- Serial number: 23112808
- Software version: 0.54.72
- Software revision number: 6120f6c885
- Device name:
- Device location:
- Device contact:

An 'Apply Settings' button is located at the bottom right of the settings area. A 'Logout' button is visible in the top right corner of the main content area.

Button

Configure the button sensitivity and the backlight of the label.

- | | |
|----------------------|----------------------------------------------------|
| • Button sensitivity | Modify the sensitivity of the button (default: 60) |
| • Label backlight | Modify the intensity of the label backlight |

The screenshot shows the 'System' configuration page with the 'Button' tab selected. The interface includes a sidebar with navigation options: Telephony, Audio, Video, Network, System (selected), Device, and Clock. The main content area shows two sliders: 'Button sensitivity' set to 60 and 'Label back light' set to 50. A 'Logout' button is visible in the top right corner.

5.2.5.2 System / Clock

Date and time

The date and time will be set automatically using a NTP server. Configure the Time zone and NTP server to use.

- | | |
|----------------------|---------------------------------------------------|
| • Time zone | Select the time zone |
| • NTP server address | Set the NTP server to use (default: pool.ntp.org) |

The screenshot shows the 'System' configuration page with the 'Date and time' tab selected. The interface includes the same sidebar as the previous screenshot. The main content area shows the following settings: 'Time zone' set to 'Europe/Amsterdam', 'Current time' showing '2024-04-02 16:08:56', 'Method' set to 'NTP', and 'NTP server address' set to 'pool.ntp.org'. The 'NTP status' is 'Synchronized With Server 193.123.56.220:'. An 'Apply Settings' button is located at the bottom right.

5.2.5.3 System / Events

The Events menu enables automations. For example, start an outgoing telephone call to a predefined number, play an audio message etc.

Events are triggered by an event source. There are different event sources, such as -but not limited to- a loud noise that exceeds a predefined volume, a push on the button of the intercom, an incoming HTTP call.

Event actions are the actions to execute when an event source triggers. Event actions can be set to be time bound using schedules.

Sources

To add a source, click the 'Add new entry button'.

• Source type	Select a source type *
• Name	Descriptive name for the source
• Enable	Enable the source
• Minimum duration	Set the event source minimum duration. It extends the time an event is active by adding the initial time an event is active with the min. duration. Eg. the Button event takes approx. 0,5 sec., setting the min. duration to 2 seconds makes $0,5 + 2 = 2,5$ seconds

* Source types:

Audio - Triggers when audio is detected - See menu -Audio-Detection-

Button - Triggers when the button is pushed - Choice: Button 1

Call - Triggers when a call is set up - Choice: Incoming or Outgoing

DTMF - Triggers when a combination of two keys are pressed during a phone call, starting with a '*' followed by another key (Eg. *1, *7 etc.) - (Choice: 0-9, or #)

HTTP - Triggers when a HTTP call is detected (default `http://<IP-ADDRESS-ROBIN> /evmgr/emit`). The Emit part in the URL is variable and can be changed in every other word. Change this in the field: -HTTP path-

Input 1 - Triggers when the hardware input contact on the back of the Robin is closed

Ring - Triggers when Ring is detected - Choice: Incoming or Outgoing

ROBIN System Logout

Sources Actions

+ Add new entry

Name	Enabled	Triggered	Source Type	Duration
------	---------	-----------	-------------	----------

ROBIN System Logout

Sources Actions

+ Add new entry

Edit Entry X

New Source Item

- Source type:
- Name:
- Enable:
- Button:
- Minimum duration:

Apply Settings

ROBIN System Logout

Sources Actions

+ Add new entry

Name	Enabled	Triggered	Source Type	Duration
Button pressed?	true	false	Button	1

Actions

To add an action, click the 'Add new entry button'.

• Action type	Select an action type *
• Name	Descriptive name for the action
• Enable	Enable the source
• Source	Selects the event source for which this event action is the response
• Trigger edge	Start the event action at the beginning of the Event source, the ending of the Event source or on both (rising / falling / both)
• Schedule	Select a defined schedule

* Action types:

Beep - Starts playing a beep through the speaker of the intercom - Choice: Frequency of the beep

Call - Start a phone call to the default phone number - Choice: *Allow hangup* (on/off): When on, a repeated source input also disconnect the call

HTTP - Emits a HTTP command. - *two URLs*: one if the source becomes active and one if the source becomes inactive

Playback - Plays an audio file - *Mediafile*: choose a file, *Playback loop*: play once or play in a loop - See menu -Audio-Media-

Switch1 - Switch the relay switch of the Robin

Webrelay - Switch a relay switch on an external relay unit from ContolByWeb; WEBRelay - *Address*: the IP adres of the WEBRelay - *Relay (1-4)*: the relay to switch - *Action (on/off/pulse)*: on, off or pulse the relay switch (user selectable pulse time) - *Use authentication*: when a password is demanded to switch the WEBRelay *

* : **For more information about the Robin / WEBRelay, see Tech-Note: "How-To_Robin_and_WEBRelay" PDF on the support website: support.robintele.com !**



The screenshot shows the Robin SIP ProLine HD web interface. On the left is a navigation menu with categories: Telephony, Audio, Video, Network, and System. Under 'System', there are sub-items: Device, Clock, Events, and Security. The main content area is titled 'System' and has two tabs: 'Sources' and 'Actions'. The 'Actions' tab is active, showing a table with the text 'There is no data' and a '+ Add new entry' button in the top right corner. A 'Logout' button is visible in the top right of the main content area.

The screenshot shows the 'System' configuration page with the 'Actions' tab selected. A modal dialog titled 'Edit Entry' is open, allowing the user to configure a new action item. The dialog contains the following fields:

- Action Type:** Call
- Name:** Initiate call!
- Enable:**
- Source:** Button pressed?
- Trigger edge:** Rising
- Schedule:** Select schedule

An 'Apply Settings' button is located at the bottom right of the dialog. The background shows a table with no data and an '+ Add new entry' button.

The screenshot shows the 'System' configuration page with the 'Actions' tab selected. A table displays the configured action items:

Name	Enable	Source	Edge	Action type	Schedule	
Initiate call!	true	Button pressed?	rising	call	none	 

An '+ Add new entry' button is located at the top right of the table area.

5.2.5.4 System / Security

Authentication

<ul style="list-style-type: none"> • Require Authentication 	Disable / Enable authentication (default: on)
<ul style="list-style-type: none"> • Admin password 	Change the password of Admin (default: 123qwe)
<ul style="list-style-type: none"> • Allow HTTP access only from LAN 	Increases the security of the Robin. Access to the web interface is only possible from the same network as the Robin. (default: on) ! Note: Disabling this feature is not recommended. !

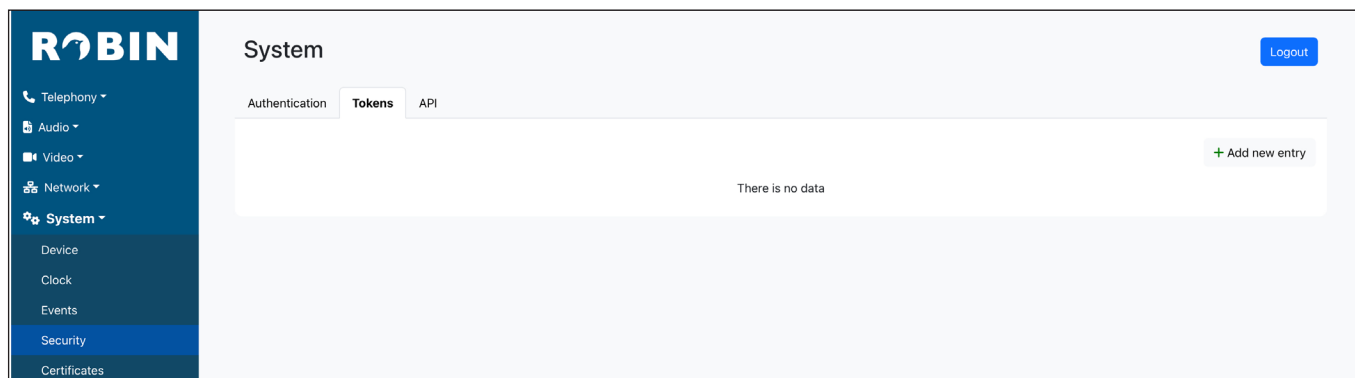
The screenshot displays the Robin SIP ProLine HD web interface. On the left is a dark blue sidebar with the 'ROBIN' logo and a navigation menu including: Telephony, Audio, Video, Network, System (expanded), Device, Clock, Events, Security (highlighted), and Certificates. The main content area is titled 'System' and has a 'Logout' button in the top right. Below the title are three tabs: 'Authentication' (selected), 'Tokens', and 'API'. The 'Authentication' tab contains the following settings:

- Require authentication:** A blue toggle switch is turned on.
- Admin username:** A text input field containing 'Admin'.
- Admin password:** A password input field with masked characters (dots) and a copy icon.
- Allow HTTP access only from LAN:** A blue toggle switch is turned on.

An 'Apply Settings' button is located at the bottom right of the settings area.

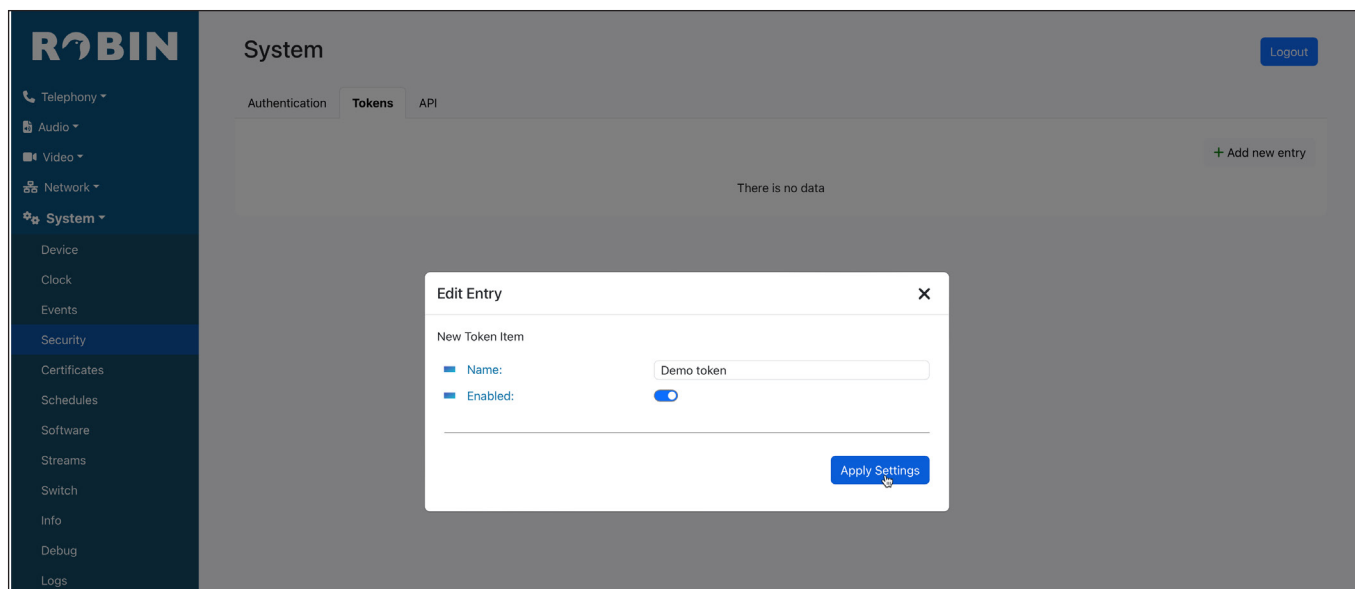
Tokens

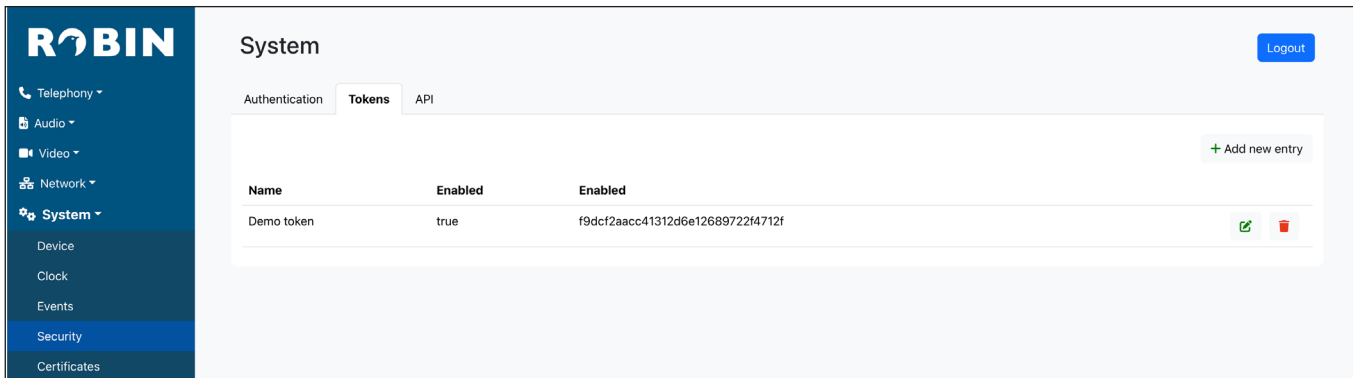
Authentication Tokens can be used instead of the username and password when controlling the Robin via the API. See manual: 'How-To_The_Robin_API_3.x.x.pdf' for more information.



To add a token, click the 'Add new entry button'.

• Name	Descriptive name of the token
• Enabled	Enable / disable this token

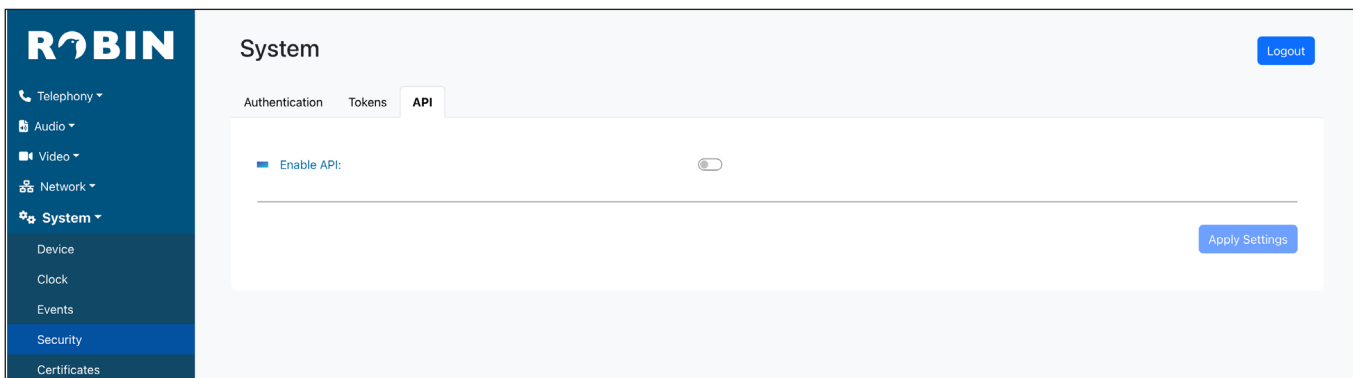




API

De Robin is can be controlled via an API. Leave this setting disabled when the API is not used.

- Enable API interface Enable access through the API interface



5.2.5.5 System / Security

Certificates

Displays an overview of all installed certificates on the Robin. By default a self signed certificate is installed and can be used.

When a CSR is generated on the Robin, it can be downloaded to use with a certificate authority. After the CSR is produced and the certificate is delivered by the certificate authority it can be uploaded in the Robin.

The certificate name can be modified and the certificate can also be removed. The self signed certificate cannot be removed.

<ul style="list-style-type: none"> • i-Symbol 	Shows the certificate details
<ul style="list-style-type: none"> • CSR 	Download the CSR
<ul style="list-style-type: none"> • Cert 	Uploaded the certificate

The screenshot shows the 'System' configuration page for 'Robin'. The 'Certificates' tab is active, displaying a table of installed certificates. The table has columns for Name, Status, Valid, CSR, and Cert. There are two entries: 'self-signed-certificate' and 'Test CSR'. The 'Test CSR' entry has icons for download, upload, and delete.

Name	Status	Valid	CSR	Cert
self-signed-certificate	Certificate and key ok	true		
Test CSR	Pending file-based certificate signing request	false		

C

CSR

Generate a CSR.

The screenshot displays the Robin SIP ProLine HD web interface. On the left is a dark blue navigation sidebar with the 'ROBIN' logo at the top and a vertical 'Configuration' label. The sidebar menu includes: Telephony, Audio, Video, Network, System (expanded), Device, Clock, Events, Security, Certificates (highlighted), Schedules, Software, Streams, Switch, Info, Debug, and Logs. The main content area is titled 'System' and has a 'Logout' button in the top right. Below the title are two tabs: 'Certificates' and 'CSR'. The 'CSR' tab is active, showing a list of fields on the left and their corresponding input forms on the right. The fields are: Name, Key length (set to 2048), Digest (set to sha256), Common name (CN), Department (OU), Organization (O), Location (L), State/Province (ST), Country (C), E-mail Address (EA), Status, and Generate CSR. A blue 'Generate CSR' button is located at the bottom right of the form area.

ROBIN

System Logout

Certificates **CSR**

- Name:
- Key length:
- Digest:
- Common name (CN):
- Department (OU):
- Organization (O):
- Location (L):
- State/Province (ST):
- Country (C):
- E-mail Address (EA):
- Status:
- Generate CSR:

5.2.5.6 System / Schedules

Schedules

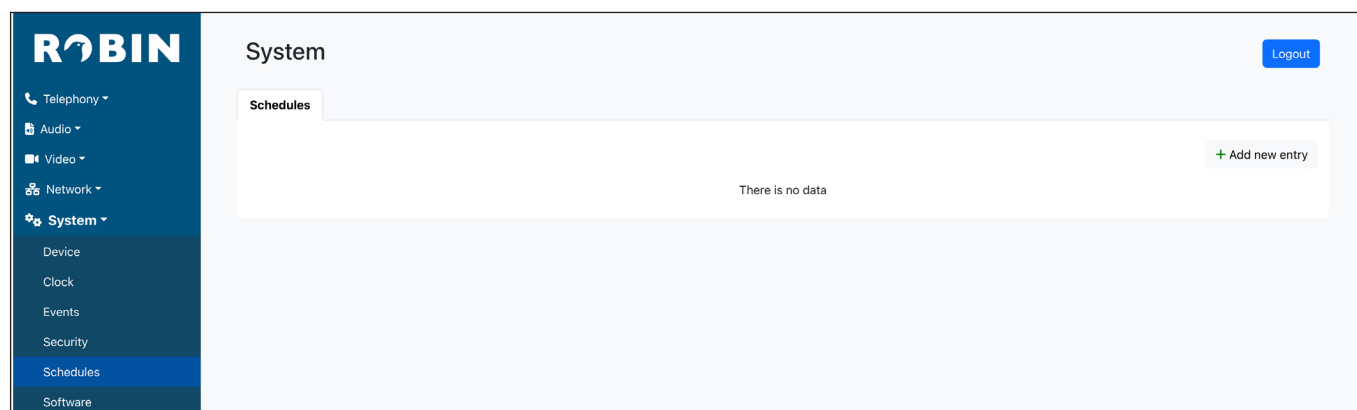
The Robin has multiple functions that can be made time bound. Use this schedule menu to create timeslots: e.g. office hours, lunch break, etc. Consequently, during the lunch break for example, the Robin can be set to dial a different telephone number from that configured for normal working hours.

The timeslots are not prioritised so they must be set consecutively, e.g.:

8:30-12:29 morning -> call reception

12:30-13:00 lunch -> call a mobile phone

13:01-17:00 afternoon -> call reception



The screenshot displays the Robin SIP ProLine HD configuration interface. On the left is a dark blue sidebar with the 'ROBIN' logo at the top and a menu of configuration categories: Telephony, Audio, Video, Network, System, Device, Clock, Events, Security, Schedules (highlighted in blue), and Software. The main content area is titled 'System' and contains a 'Schedules' section. This section is currently empty, displaying the text 'There is no data' and a '+ Add new entry' button. A 'Logout' button is visible in the top right corner of the main area.

• Description	The name that is associated with this Schedule
• Day	Select the day / days for this schedule
• From	Start time
• To	End time

The screenshot shows the ROBIN System configuration interface. The left sidebar contains a navigation menu with 'Schedules' highlighted. The main content area is titled 'System' and 'Schedules'. A modal dialog box titled 'Edit Entry' is open, showing the configuration for a new schedule item. The fields are as follows:

- Name: Test schedule
- Day: Weekend
- From: 09:00
- To: 17:00

An 'Apply Settings' button is located at the bottom right of the dialog box.

The screenshot shows the ROBIN System configuration interface with the 'Schedules' list displayed. The list contains one entry:

Name	Day	From	To
Test schedule	Weekend	09:00	17:00

Each entry has edit and delete icons to its right. A '+ Add new entry' button is located at the top right of the list area.

5.2.5.7 System / Software

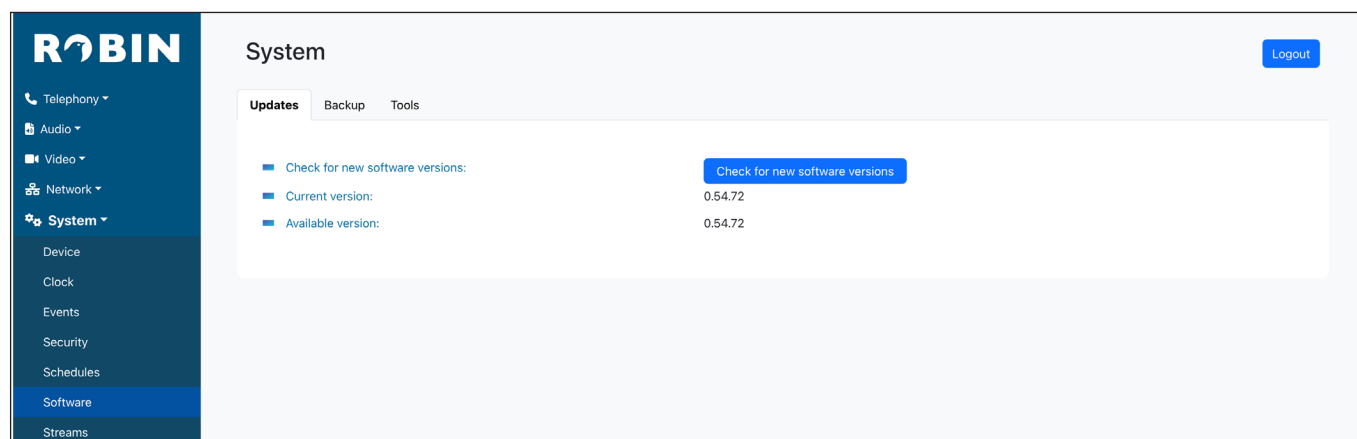
Updates

New software versions for the Robin are released regularly. These versions include always include improvements and often introduce new functions.

Updating is a two-stage process; the first step is to check whether new software is available. the second step is to upgrade to the latest version.

After the upgrade, the Robin will reboot.

! Note: Internet access for the Robin is necessary to update the software of the Robin. !



The screenshot shows the Robin SIP ProLine HD web interface. The left sidebar contains the 'ROBIN' logo and a navigation menu with categories: Telephony, Audio, Video, Network, and System. The 'System' category is expanded, showing sub-items: Device, Clock, Events, Security, Schedules, Software (highlighted), and Streams. The main content area is titled 'System' and has a 'Logout' button in the top right. Below the title are three tabs: 'Updates' (selected), 'Backup', and 'Tools'. The 'Updates' tab displays a table with the following information:

Check for new software versions:	Check for new software versions
Current version:	0.54.72
Available version:	0.54.72

Backup

Create a backup of the current configuration of the Robin and restore a previously created backup.

After uploading a backup, the Robin has to be rebooted before it takes effect.

<ul style="list-style-type: none"> • Upload 	Upload a previously created backup to the Robin
<ul style="list-style-type: none"> • Download 	Download a backup file of the configuration of the Robin

The screenshot displays the Robin SIP ProLine HD web interface. On the left is a dark blue sidebar with the 'ROBIN' logo and a navigation menu including: Telephony, Audio, Video, Network, System (highlighted), Device, Clock, Events, Security, Schedules, Software, and Streams. The main content area is titled 'System' and has tabs for 'Updates', 'Backup', and 'Tools'. The 'Backup' tab is active, showing an 'Upload:' section with a 'Choose File' button and a 'no file selected' text, and a 'Download:' section with a 'Download' button. A 'Logout' button is located in the top right corner of the main area.

Tools:

- | | |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • Reboot device | Reboots the complete device. It may take 30 seconds before the Robin is active again |
| <ul style="list-style-type: none"> • Restore application defaults | Restores the default settings for the Robin |

The screenshot shows the Robin SIP ProLine HD web interface. The left sidebar contains a navigation menu with categories: Telephony, Audio, Video, Network, System, Device, Clock, Events, Security, Schedules, Software, and Streams. The 'System' category is expanded, and the 'Tools' sub-menu is selected. The main content area displays two options: 'Reboot Device' and 'Restore application defaults', each with a corresponding blue button. A 'Logout' button is visible in the top right corner.

5.2.5.8 System / Streams*Streams*

The 'Streams' menu shows all active video streams. This can be MJPEG, RTSP or a video stream during an active call.

The screenshot shows the Robin SIP ProLine HD web interface with the 'Streams' sub-menu selected. The main content area displays a table with the following data:

Start	Stream type	Remote IP	Width	Height	Codec	Quality
20/01/1970, 20:34:29	mjpeg	192.168.160.170:58482	1280	720	mjpeg	70%

5.2.5.9 System / Switch

Control

The Robin has a built-in dry relay contact. It can be used to open a door or a gate. When a connection has been established between the Robin and a telephone handset, the relay can be operated via key combinations on the telephone.

For examples on how to connect the Robin to an electronic door lock, see: **'Appendix B, Electronic lock'**.

<ul style="list-style-type: none"> • Status 	Displays the status of the relay switch (open / close)
<ul style="list-style-type: none"> • Close 	Deactivate the switch
<ul style="list-style-type: none"> • Open 	Activate the switch
<ul style="list-style-type: none"> • Pulse 	Activate and automatically deactivate the switch after a predefined time

Settings

Configure the setting related to the Switch.

<ul style="list-style-type: none"> To open 	<p>For the actions: to open, to keep open and to close the keys 0.....9, * and # can be used</p>
<ul style="list-style-type: none"> To keep open 	<p>The relay switch opens and closes again after a set time (Pulse time). The default key combination for this is '##'</p>
<ul style="list-style-type: none"> To close 	<p>The relay switch closes</p>
<ul style="list-style-type: none"> Pulse time 	<p>Set the time that the relay switch stays open (duration min. 1 second and max. 30 seconds)</p>
<ul style="list-style-type: none"> Play sound 	<p>Plays a sound when the relay switch is active</p>
<ul style="list-style-type: none"> Hangup after opening 	<p>Breaks the connection after activating the relay switch (default: off)</p>
<ul style="list-style-type: none"> Close door after hanging up 	<p>Close the relay switch after the phone is disconnected</p>

ROBIN

System

Control **Settings** Logout

- To open: ##
- To keep open: 90
- To close: 91
- Pulse time: 4
- Play sound when active:
- Hangup after opening:
- Close door after hanging up:

Apply Settings

5.2.5.10 System / Info

The Info menu displays detailed information about the Robin.

• Product	Shows the product type
• Serial number	Shows the serial number
• Software version	Shows the software version
• Software revision number	Shows the software revision number
• Uptime	Shows the time that the Robin is switched on
• Load average	Shows the average processor load (UNIX style)
• CPU temperature	Shows the temperature of the CPU in the Robin
• CPU speed	Shows the current processor speed
• System clock time	Shows the system time
• Runs	Shows the amount of runs

The screenshot shows the 'System' configuration page with the 'Info' sub-menu selected. The system information is as follows:

Product:	ProLine SIP Intercom HD Video - 1 Button
Serial Number:	23112808
Software version:	0.54.72
Software revision number:	6120f6c885
Uptime:	0 Days, 02:56:14
Load average:	2.95
CPU temperature:	58
CPU speed:	1600000
System clock time:	20/01/1970, 20:34:29
Runs:	7

5.2.5.11 System / Debug

The Debug menu offers tools for quick resolution of issues.

Trace

The Trace function allows you to create a trace of all the network traffic to and from the Robin.

• Status	Shows the status of the trace
• Trace duration	Set the standard duration of the trace. The trace will stop automatically
• PCAP filter line	The trace is can be filtered to contain only relevant network data
• Start	Start the trace
• Stop	Stop the trace
• Download	Download the trace (.pcap format)

The screenshot displays the Robin SIP ProLine HD web interface. On the left is a dark blue navigation sidebar with the 'ROBIN' logo at the top and a menu including: Telephony, Audio, Video, Network, System (selected), Device, Clock, Events, Security, Schedules, Software, Streams, Switch, Info, Debug (highlighted), and Logs. The main content area is titled 'System' and contains a 'Trace' section. This section has a 'Go to Robin' link and a 'Logout' button in the top right. The 'Trace' configuration includes:

- Status: Idle
- Trace duration: 60 (with a dropdown arrow)
- PCAP filter line: Enter filter (with a text input field)
- Start: A blue 'Start' button.

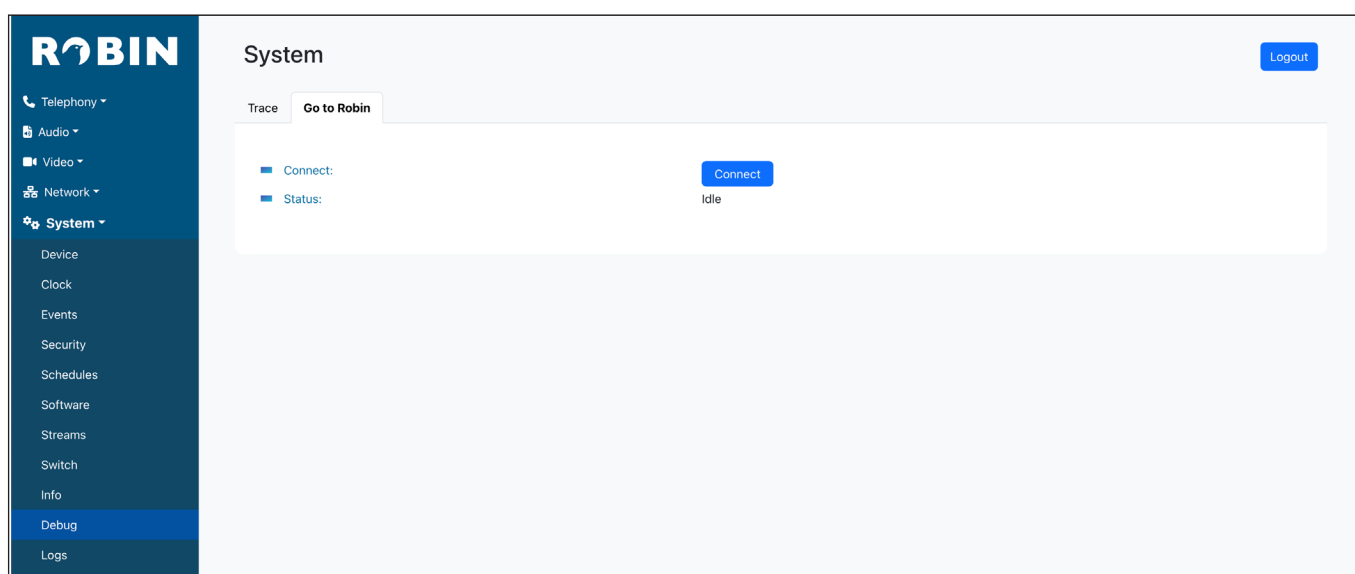
 At the bottom right of the configuration area is an 'Apply Settings' button.

Go to Robin:

Go to Robin enables remote support for the unit. It connects the unit to the Robin support server and can be used for remote support.

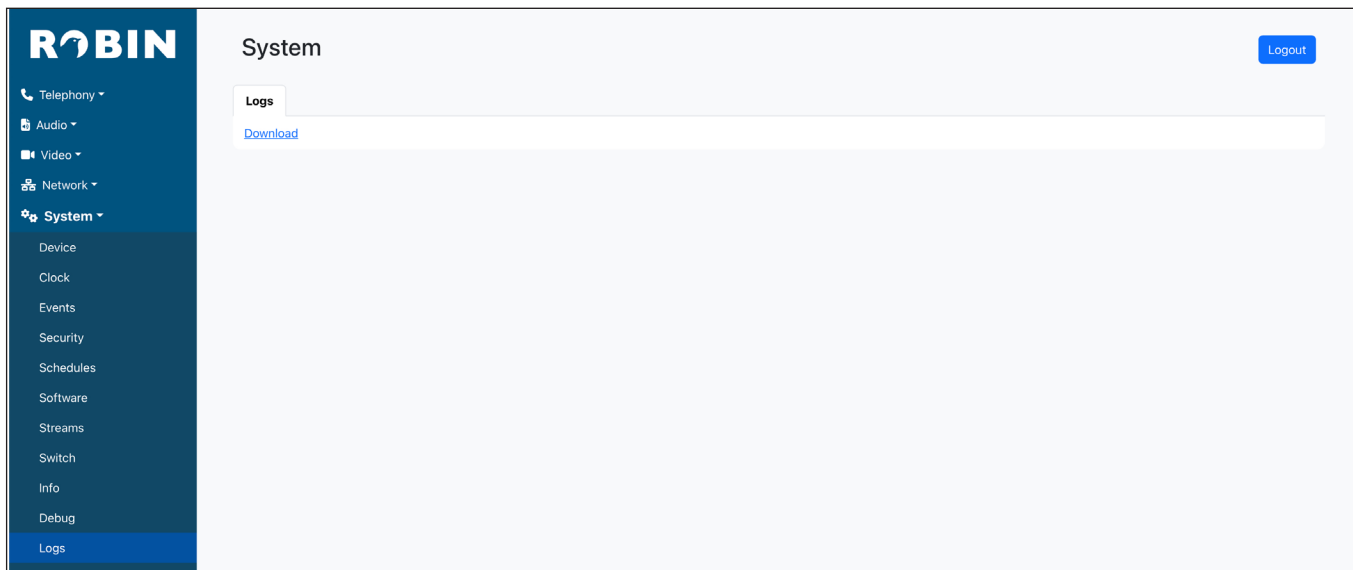
! Note: Go to Robin will only work after contacting the Robin Support. !

<ul style="list-style-type: none"> • Connect 	Connect to 'Go to Robin'
<ul style="list-style-type: none"> • Status 	Display the connection status of 'Go to Robin'
<ul style="list-style-type: none"> • Message 	Information regarding the 'Go to Robin' connection



5.2.5.12 System / Logs

The Robin registers all events that occur. These are logged in a log file that can be downloaded here.



6 Support

For details of special settings, requests for support and FAQs, please use our online support page:
<http://support.robintele.com>

The screenshot displays the Robintele.com Support website. At the top, the breadcrumb navigation reads: Robintele.com Support > Robintele.com Support > Knowledgebase > Downloads & Documentation. A search bar with the placeholder text 'Search for articles' is visible. Below the search bar, the breadcrumb path is repeated: Knowledgebase > Downloads & Documentation. The main content area is divided into several sections:

- Manuals**
 - Manual for the Robin SlimLine
 - Manual Robin
 - WebRelay quick start and user manual.
- Release notes / compatibility overview**
 - Release notes Robin v3.6.12
 - Release notes Robin SlimLine v1.0.0
 - Compatibility overview v3.0
- Firmware Robin SlimLine**
 - No firmware file available
- Tools**
 - Robin Discovery Utility
- Tech docs / How-To's**
 - How-To: CyberGate
 - How-To: Use the Robin Peer-to-Peer
 - How-To: Picture to e-mail
 - More topics +

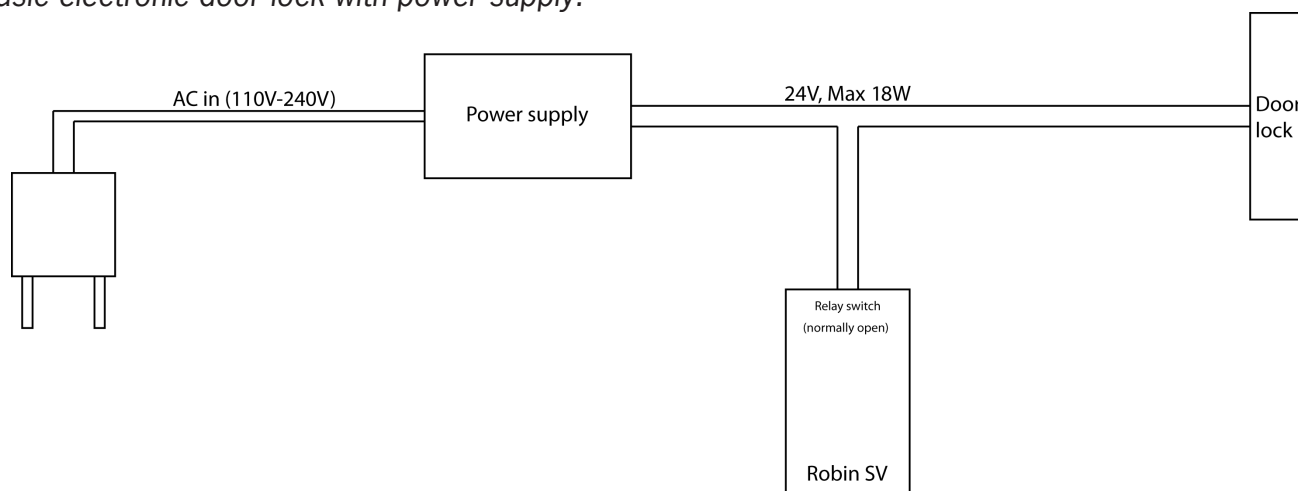
Appendix A, Electronic lock

The Robin has a built-in voltage-free relay contact. The Robin is not able to power a electronic lock, a power supply is required.

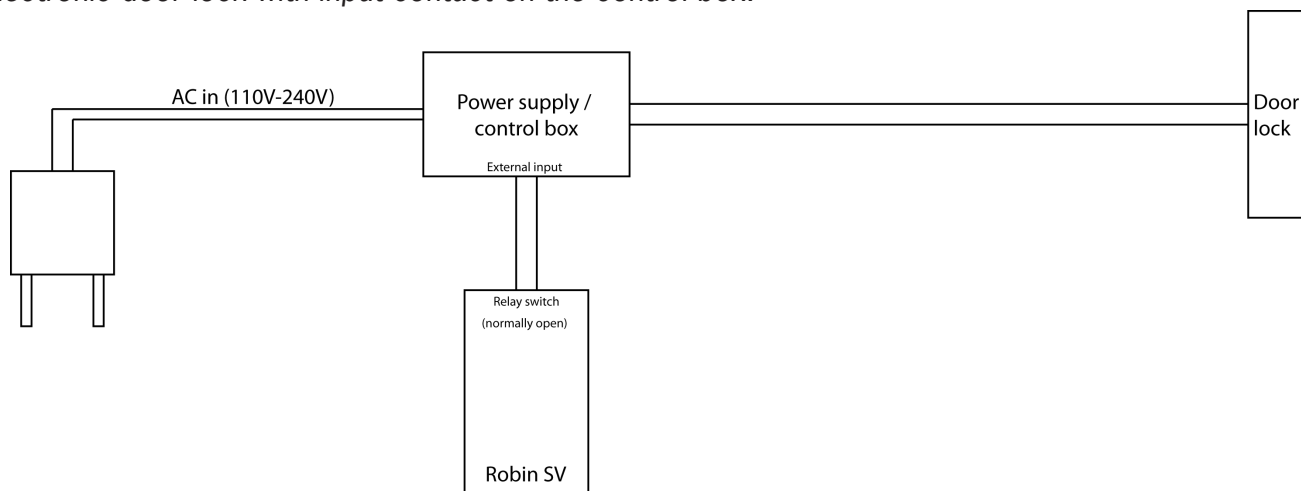
There are many different electronic locks on the market. We advise to use the prescribed method of the electronic lock manufacturer to connect the Robin.

This Appendix shows two common ways to connect the Robin to the electronic door lock although other options might also be possible.

Basic electronic door lock with power supply:



Electronic door lock with input contact on the control box:



! Note: The relay switch of the Robin doesn't supply power for the electronic lock! Make sure that the switched voltage does not exceed 24V and the switched power is max. 18W. !

V

Version history

Date	Version	Author	Remark
11-3-24	1.0.0	KR	Initial version
13-6-24	1.0.1	KR	Modified text and screenshots