ROBIN
TELECOM DEVELOPMENT

User Manual

Robin ProLine SIP
Robin ClassicLine SIP
Robin SmartView SIP
Robin Compact SIP

Software version 3.6.9 or higher

Manual version: 3.2.8
Date: 10-02-2020

A About this manual

This manual describes the installation and programming of the Robin SmartView SIP, the Robin Compact SIP, the Robin ClassicLine SIP and the Robin ProLine SIP unit in combination with software version 3.6.9. You can update the software of the Robin to the latest version. For instructions on updating see page 63 of this manual.

This manual applies to the Robin SmartView SIP with 1, 2, 4 of 6 buttons, the Robin Compact SIP, the Robin ProLine SIP with 1, 2, 4 buttons, the Robin ClassicLine SIP with 1, 2, 4 buttons, Robin ProLine SIP Compact and the Robin ProLine SIP with Keypad. (Part numbers: C01060 - C01067 and C01068, C02050 - C02058, C03050 - C03058, C04050 - C04051, C03071 - C03074).

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
phone: + 31 72 534 64 26

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 passwords of both the 'admin' and the 'user' (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

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1 Introduction

1.1 Robin SmartView / ProLine SIP Door Intercom

Integrated functions

The Robin Compact SIP has many integrated functions in one single device:

- Telephone device with one piezo push-button
- SIP support for audio
- Door opener
- Advanced event mechanism
- Extended API (Application Programming Interface)

The Robin SmartView SIP (Robin SV) has the same feature set as the Robin Compact SIP and offers the following additional features:

- SIP support for audio *and* video
- High-Definition, full colour camera with a wide-angle lens
- Security camera with movement- and audio detection
- RTSP streaming (audio and video)

The Robin ProLine SIP / ClassicLine SIP (Robin ProLine) is a new addition to the Robin portfolio. It is equipped with the same features as the Robin SV and offers the following additional features:

- Premium design
- Equipped with one, two, four buttons or a Keypad (ProLine only)
- Backlit buttons for more convenience during night time use
- Engravable illuminating labels
- Recessed screws
- Modified GUI-layout
- Brass housing for the ClassicLine SIP

1.2 Robin SmartView / Robin Compact SIP / ProLine SIP 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 with 1, 2 or 4 buttons are devices that can dial predefined phone extensions. The door opener relay is activated via the device to which the call is directed. On the Robin devices with keypad, the call is set up by typing a preset number on the keypad. It also features a PIN code feature that can be used to unlock the door. All Robin intercoms with an integrated camera are capable of sending e-mails containing a photograph of the person using the intercom to predefined recipients.

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. To check compatibility please see the compatibility chart on the supplied USB drive or on our support website: http://support.robintele.com

Door opener

The potential free (dry contact) relay switch 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.

Built-in camera (on Robin devices with build-in camera)

A real-time video image of the person using the Robin is displayed on the screen of the H.264 compatible videophone or softphone as soon as a call is answered.

! Note: When using an IP-PBX or VoIP provider, check the distributor of the IP-PBX or the VoIP provider for H.264 video compatibility. !

High-Definition video quality (on Robin devices with build-in camera)

The build-in camera of the Robin is capable of displaying the video image in High-Definition. The image can be set to an aspect ratio of 4x3 or 16x9. A maximum of three simultaneous video streams is supported.

High-quality sound reproduction

Thanks to the advanced audio DSP in the Robin, it's sound quality is exceptionally good without any echo or interference.

Security camera function (on Robin devices with build-in camera)

The built-in camera can also be used for surveillance purposes. The Robin is able to deliver the video stream to many Video Management Software systems (VMS) in two formats, MJPEG and H.264 (RTSP). It is also able to photograph the person using the intercom and sending e-mails with that photo to predefined recipients.

Picture To Email (on Robin devices with build-in camera)

All Robin intercoms running software version 3.5.0 or higher are equipped with a Picture To Email function. It will send an email with a photo of the visitor to an (per button or preset) email address of choice. The document: How-To_Picture2Email_ENG.pdf on the provided USB drive describes the configuration of this function. You can also download this document on our support site: http://support.robintele.com

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 SV.

In addition to configuring and programming the Robin via the web browser, it also offers the option of viewing any activity in the vicinity of the Robin in real time with the built-in camera.

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 (page. 56).

2 Operation

2.1 Operating the door phone

2.1.1 Robin with button(s)

To ring the door phone, press on the bell-sign on the Robin. The unit will play a ringing sound and the predefined telephone set will be called.

2.1.2 Robin ProLine SIP with keypad

The Robin with keypad has 16 keys.

- Keys 1, 2, 3, 4, 5, 6, 7, 8, 9 and 0, use these keys to type the desired preset
- Green call button, start calling the just entered preset
- Red disconnect button, disconnect the call
- The 'i'-key, call a programmed preset
- The 'C'-key, clear the input
- The '*'- and '#'-key, used for entering a PIN code

The Robin with keypad offers you the ability to create a call list. This call list contains presets (for example apartment numbers) to which you can assign up to three phone numbers, an e-mail address (optional) and a PIN code (optional). By dialing the preset number on the intercom it will start calling phone number one. If the first number is engaged or not answering it will continue wit the second number. If the second number is engaged or not answering it will continue wit the third number. It also features a 'i-button' on the Keypad. This button can be programmed to dial a predefined preset, for instance the reception or building manager.
If the green call button is pushed without dialing a preset first, the preset programmed for the 'i'-key will be dialed.

Keypad specific settings such as beep volume, -frequency or backlight can be changed in the menu - Telephony-Call settings-General-.

2.2 Answering

You answer a call initiated by the Robin by answering the phone that is being called. In case you use a H.264 compatible videophone or softphone, the video picture of the built-in camera is displayed on the screen.

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Operation

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- (default code: ##).

2.4 Access using a PIN code (Robin ProLine SIP with keypad only)

The Robin with keypad can activate the door opener by entering a PIN code on the Keypad. This PIN code is preset depended, so every preset can have its own PIN code. When the correct PIN code is entered, the intercom can activate the build-in relay switch or an external relay switch using the 'Events' mechanism.

To enter a PIN code on the intercom, start by pressing the '*'-key and end it by pressing the '#'-key. Assuming the PIN code is 123456 you will need to enter: *123456# to unlock the door. When a valid PIN code is entered a tune will be played by the intercom and the build-in relay switch will be activated.

3 Installation

3.1 Package contents

- The Robin
- USB stick containing the manuals and the 'Robin Discovery Utility' software
- Anti-theft Allen key
- 4 anti-theft screws
- 4 wall plugs (6mm)
- Drilling template
- Tie-wrap

3.2 Installation dimensions Robin SV / SIP

The installation dimensions of the Robin SV / SIP differ from the dimensions of the Robin ProLine SIP models.
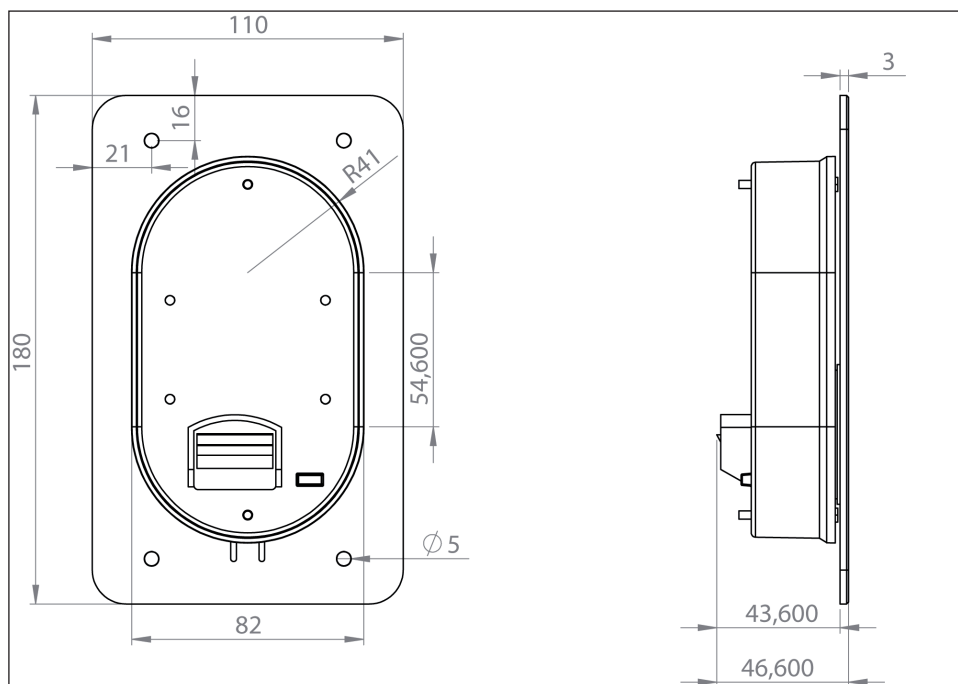
The dimensions of the flush-mount box are:

▪ 1 button - C01110	88 (B) x (47 (D) x 162 (H)

3.3 Installation dimensions Robin ProLine
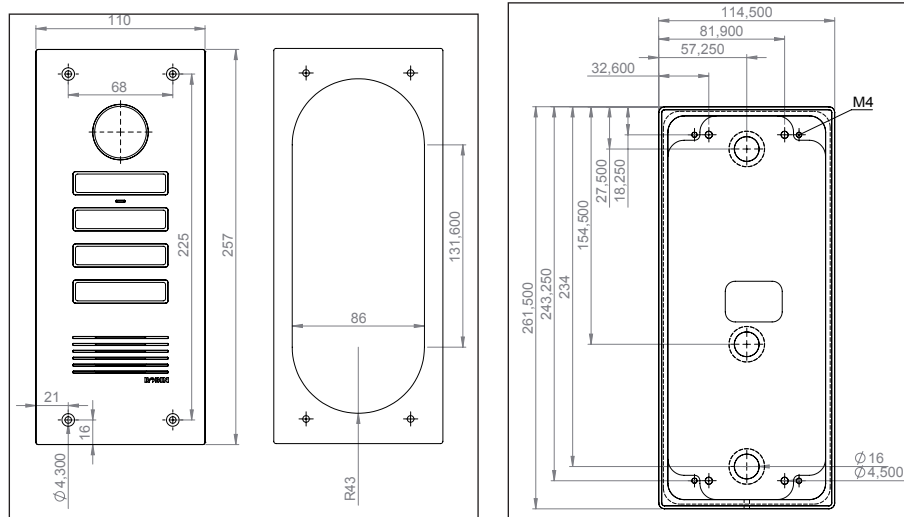
The dimensions of the Robin ProLine SV are identical for all versions. The 1, 2, 4 button and the Robin with Keypad all use the same size of surface- and flush mount boxes.

The dimensions of the flush-mount box are:

▪ 1, 2, 4 button - C01112	88 (B) x (47 (D) x 239 (H)

3.4 Tools and materials required for mounting

The following tools and materials are required when mounting the Robin:

- Core drill, 90 mm in diameter
- Masonry drill, 6 mm in diameter
- Stone chisel
- General set of tools
- Anti-theft Allen key (supplied)
- Anti-theft screws (supplied)
- 6mm wall plugs (supplied)
- Drilling template (supplied)
- Tie wrap (supplied)

3.5. Mounting instructions

Follow the step-by-step plan described below for problem-free mounting of the Robin.

Step-by-step plan:

1. Drill holes of 90 mm in diameter and 60 mm in depth using the core drill.
   Use the drilling template supplied in the package for this.
2. Remove the cores from the drilling using the stone chisel.
   Shape the hole so that the plastic housing of the Robin fits with room to spare.
3. Feed the cable into the hole, leave enough excess length for a loop in the hole.
4. Drill the four fixing holes for the front panel using the drilling template and insert the wall plugs supplied with the set into the holes.
5. Connect the Ethernet cable to the clamp connector. (Chapter 3.5)
6. Optional - connect the cable for operating the door switch to the clamp connector.
7. Secure the cable to the plastic housing using a tie-wrap.
8. Position the Robin in the hole in such a way that the looped cable fits neatly behind the device.
9. Fix the device securely in place using the anti-theft screws supplied in the package.

3.6 Connecting the Robin
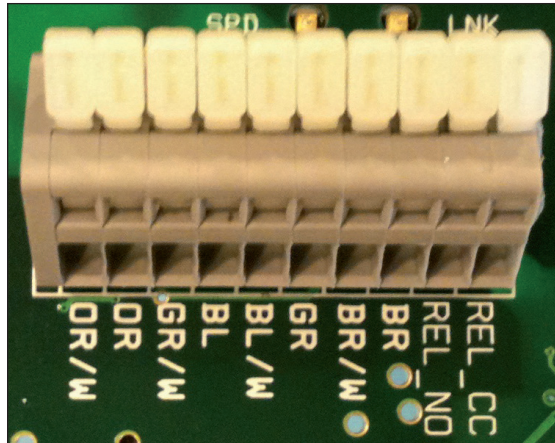
Connecting the Robin

To connect the Robin, use an Ethernet cable, type CAT5(e) or CAT6. The colours of the individual wires match the colour codes below the connector.

To connect to the built-in relay switch, use a second cable.

Colour codes

▪ OR / W	Orange / white
▪ OR	Orange
▪ GR / W	Green / white
▪ BL	Blue
▪ BL / W	Blue / white
▪ GR	Green
▪ BR / W	Brown / white
▪ BR	Brown
▪ REL_NO	Relays connection, 'Normally open'
▪ REL_CC	Relays connection, 'Common'

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4 System installation

4.1 Requirements prior to installation

- Network connection with PoE (Power over Ethernet) is used to power the intercom; the power supply must be 802.3af compatible).
- PC with web browser.
- The following web browsers are supported:
  - FireFox
  - Safari
  - Google Chrome
- USB stick containing the 'Robin Discovery Utility' software and manuals (supplied)
- Network with or without DHCP support (DHCP support is recommended)
- Network cable
- Optional - Two-core cable for door switch 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 can take up to 60 seconds.

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

! Note: Internet Explorer can be used for the base configuration of the Robin SV, but can not be used for the 'AGC' and the 'Motion' settings. This is because Internet Explorer doesn't support MJPEG video. !

Windows users:

Copy the 'Robin Discovery Utility' software to a PC that is connected to the network. Start the 'Robin Discovery Utility' software and click the "Play" button. The software will scan for Robin devices in the network. When a Robin is detected, it is displayed in the list. Double-click on the Robin you would like to configure; the web interface for the selected Robin will show.
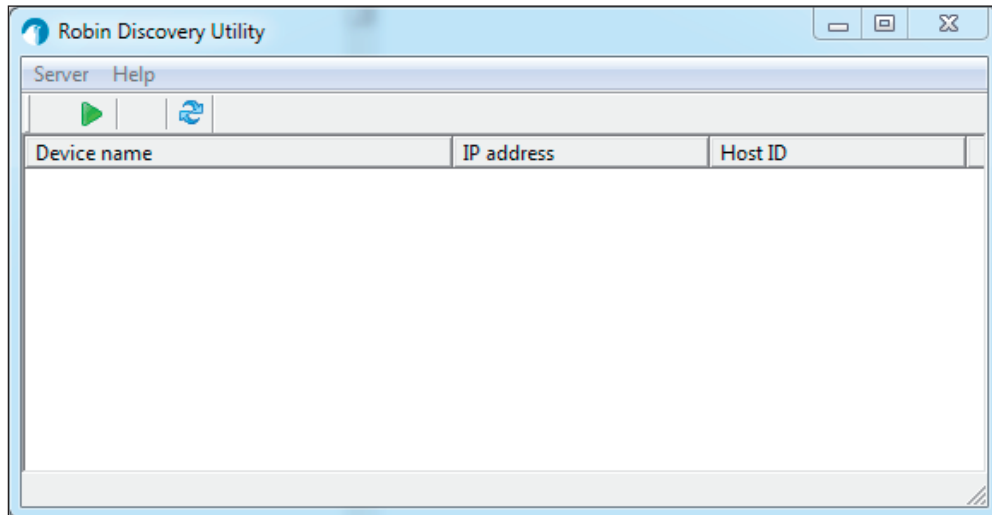
Apple Macintosh users:

To detect and access the Robin on a Mac, use the Internet browser, 'Safari'. In the 'bookmark overview' of Safari (option-command-B), you will see the 'Bonjour' section in the left-hand column. It will display all the devices detected in your LAN network on the right-hand side of your window, including the Robin. Double-click on the Robin you would like to configure; the web interface for the selected Robin is displayed now.

Linux users:

Enter the IP address of the Robin in the address bar of the web browser that is installed on your PC in order to access the web interface.

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

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5 Configuration

5.1 Logging in to the Robin

The Robin can be used accessed as an 'Administrator' or as a 'User'.

- The Administrator can configure all settings of the Robin. To initially configure the Robin you will need to login as an Administrator.
- The User can only watch live video and optionally control the door opener. A User can't modify settings of the Robin.

The login credentials can be changed in the web interface of the Robin. The default credentials are:

- Administrator - Login: admin, Password: 123qwe
- User - Login: user, Password: has to be defined

! Note: Change the password immediately after installation, both the Administrator and the User, (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 when logging in and will keep warning you until the default password is changed.

We assume here that the network supports DHCP ('Dynamic Host Configuration Protocol'); if so, all settings such as the IP addresses, netmask, gateway and DNS are automatically populated.

DHCP is a default setting of the Robin. If the network does not offer DHCP, the network details must be set manually.

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5.2 Configuration of the Robin

The configuration program for the Robin features 5 sections; 'Telephony', 'Audio', 'Video', 'Network' and 'System'.

'Telephony'

> In the 'Telephony' section, you configure all of the settings that are required for the communication part of the Robin.

'Audio'

> In the 'Audio' section, various modifications to the sound and sound processing features of the Robin can me made, such as loudspeaker volume, microphone sensitivity and echo suppression.

'Video' (on Robin devices with build-in camera)

> In the 'Video' section, you can optimise the image quality, view the live video and set the areas of the image to which the camera will respond (motion).

'Network'

> In the 'Network' section, you can view and change the network configuration settings for the Robin.

'System'

> In the 'System' section, you can view and change the settings that influence standard operation of the Robin. It also contains the 'log files', for easier problem solving.

! Note: In the Robin software you'll note 'APPLY SETTINGS' buttons. Use these buttons to confirm and activate all the changed settings. !

5.2.1 Telephony

5.2.1.1 Telephony / SIP

This is where you enter the data required for registering on an IP-PBX or with a VoIP provider. If the Robin is used for a direct connection (Peer2Peer / P2P) to the telephone handset (without using an IP-PBX or VoIP provider), registration is not required.

The Robin can make use of a second SIP proxy / Register server for failover purposes. It will only be activated if the 'Primary' server fails.

! Note: A second SIP proxy of Register server can only be used if both the SIP proxy or Register server use the same login credentials. We also advise to set the 'Expires' time to 300 seconds. (The maximum time between switching servers will be 5 minutes) !

C *SIP registration*

▪ SIP protocol	Select the SIP protocol, UDP or TCP, UDP is default
▪ SIP proxy / registar	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
▪ Use secondary SIP proxy / Registar	*Optional* - Enter the IP address or hostname for the IP-PBX or VoIP provider
▪ Line ID	Enter the Line-ID. If not available, use the same name as the 'Authentication Username'
▪ Authentication Username	Enter the username for registration to the IP-PBX or VoIP provider
▪ Password	Enter the for registration to the IP-PBX or VoIP provider
▪ Register	Activates or deactivates registration to for registration to the IP-PBX or VoIP provider
▪ Expires	Period of time during which the SIP door intercom can register.
▪ Registration status	Shows registration status

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SIP 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
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DSCP Class	*The DSCP class is used for Quality of Service.*
▪ SIP DSCP Class	Select the DSCP class for all SIP traffic
▪ Audio RTP DSCP Class	Select the DSCP class for RTP audio
▪ Video RTP DSCP Class	Select the DSCP class for RTP video
------------------------------	--
▪ Audio RTP port start	Enter the lowest IP port that may be used for the RTP audio stream
▪ Audio RTP port end	Enter the highest IP port that may be used for the RTP audio stream
▪ Video RTP port start	Enter the lowest IP port that may be used for the RTP video stream
▪ Video RTP port end	Enter the highest IP port that may be used for the RTP video stream
▪ RTP port random	Use random RTP ports (within the specified range)
▪ Keep alive	Enable keep alive packages
▪ Enable REFER	Accept 'REFER' packages (off by default)

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5.2.1.2 Telephony / Phonebook

Multiple telephone numbers can be entered in the phone book. These can be used as input elsewhere, for example when setting up 'Schedules'.

A 'Profile' can be associated with each 'Phonebook entry'. A 'Profile' is a set of audio and video settings. This allows definition of individual settings for each telephone number.

When using a Robin ProLine with Keypad, an extra menu will be visible, called 'Preset'. Within the 'Preset' menu you can create a list with presets. Every preset can contain up to three phone numbers, for instance a fixed phone, a mobile phone and an extra phone. As soon as a preset is chosen using the Keypad, the intercom will first try to connect to the first number. If the first number is engaged or not answering it will continue wit the second number. If the second number is engaged or not answering it will continue wit the third number. Each preset can also contain an e-mail address and a PIN code. The e-mail address can be used for sending an e-mail containing a photo of the person using the intercom. The PIN code of (6 digits) can be used to open the door.

Phonebook:

The green '+' creates a new line.
The '>>' behind a line opens the details for this line.
The red X behind a line deletes the line from the list.

▪ Description	The name that is associated with this number
▪ Number	The value entered for the telephone number (see comment)
▪ Profile	If required, you can select a 'Profile' for this number
▪ Allow register	Select this option if the Robin SV has to support a 'Peer to Peer' connection with a telephone set (*)

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! Note: The number can be entered in multiple ways.
1. *Just the number (e.g. 104, 1002, 6032 etc.). The handset is located on a connected IP-PBX in the same network or using a VoIP provider.*
2. *The number, followed by the IP address of the handset that is to be dialled (e.g. 1000@10.0.0.53, 102@192.168.1.21 etc.). The handset and the Robin are connected to each other directly, i.e. the call is not routed via a IP-PBX or VoIP provider. The Robin SV dials the handset directly.*

* Peer to Peer connection: If a direct connection between the Robin and a telephone set is required - without the use of a IP-PBX or VoIP provider - please check our whitepaper: How-To_Peer-to-ENG.pdf on the supplied USB drive or on our support website: http://support.robintele. com

Profiles:

Define profiles. A profile is a set of audio- and video related settings.

The green '+' creates a new line.
The '>>' behind a line opens the details for this line.
The red X behind a line deletes the line from the list.

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▪ Description	The name that is associated with this profile
▪ Codec ulaw	Support for the G.711 ulaw audio codec
▪ Codec alaw	Support for the G.711 alaw audio codec
▪ Codec gsm	Support for the GSM audio codec
▪ DTMF event payload type	Change the 'payload type' for DTMF signal transmission. (default value is 101)
▪ Codec h264	Support for the H.264 video codec
▪ Videosize	Select the resolution for the video
▪ H264 payload type	Change the 'payload type' for H.264 video codec. (default value is 99)
▪ Variable bitrate	Support for variable bitrate
▪ Bitrate (kbps)	Select the maximum video bit rate. A high bit rate = higher video quality but more bandwidth usage.
▪ Fps	Lock the video frames per second. (default value is 0, automatic)

! Note: The selected video resolution has to be supported by the device. If the resolution is not compatible, video distortion can occur. !

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Presets (Robin ProLine with Keypad only):

The green '+' creates a new line.
The '>>' behind a line opens the details for this line.
The red X behind a line deletes the line from the list.

▪ Id	The (unique) preset number (eg. the apartment number)
▪ First	Select the first number to dial
▪ Second	Select the second number to dial
▪ Third	Select the third number to dial
▪ Email	Select the e-mail address for this preset. Define the e-mail addresses in the menu -Network-Mail-, Address book
▪ Pin	Define the 6-digit PIN code for this preset

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5.2.1.3 Telephony / Call settings (Robin with 1, 2, 4 buttons)

Call priority:

The Robin can dial up to three numbers in a set sequence. If the first number is engaged or not answering * it will continue wit the second number. If the second number is engaged or not answering it will continue wit the third number.

For the 2 and 4 button equipped Robins the call priority settings can be defined for each individual button.

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

(*) Change the duration in -Telephony-Call settings-General- using the 'No answer timeout' option.

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Schedules:

The Robin features a 'Schedule' function. The schedules can be defined in the menu -System-Schedules-.

This function allows you to set multiple timeslots: e.g. office hours, lunch break, etc. Consequently, during the lunch break 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

! Note: When the 'Schedule' function is in use, timeslots take priority over the 'First, Second and Third' settings in -Telephony-Call settings-Call priority-. The intercom checks whether a timeslot is active based on the current time, if not, it reverts to the settings for 'First, Second and Third'. !

For the 2 and 4 buttons equipped Robins the schedule settings can be defined for each individual button.

Timeslots:

The green '+' creates a new line.
The '>>' behind a line opens the details for this line.
The red X behind a line deletes the line from the list.

▪ Schedule	Select the defined schedule
▪ Extension	Select the number to dial

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▪ Auto answer	Enables auto answering of incoming calls to the intercom (off by default)
▪ Auto answer delay	Answer incoming calls after X seconds
▪ No answer timeout	End call attempt after X seconds
▪ Max call duration	Maximum duration of a call (0=no limit)
▪ Call status	Displays the status of the phone functionality of the Robin
▪ Phone fps	The maximum video frame rate during a conversation (default value is 10)

5.2.1.4 Telephony / Call settings (Robin with Keypad)

Keypad:

▪ Preset to call when i-button pressed	Select the preset (menu -Telephony-Phonebook-) for the 'i'-key on the Keypad
▪ Backlight brightness	Change the intensity of the Keypad backlight
▪ Beep volume	Change the volume of the Keypad keys beep
▪ Beep frequency	Change the duration of the Keypad keys beep
▪ Beep duration	Define the maximum length of the preset. If for example the length is three, 999 is the highest number to dial. (for two it is 99 en for one it is 9). If the maximum length is reached the intercom will dial automatically
▪ Max preset length	

C *General:*

▪ Auto answer	Enables auto answering of incoming calls to the intercom
▪ Auto answer delay	Answer incoming calls after X seconds
▪ No answer timeout	End call attempt after X seconds
▪ Max call duration	Maximum duration of a call (0=no limit)
▪ Call status	Displays the status of the phone functionality of the Robin
▪ Phone fps	The maximum video frame rate during a conversation (default value is 10)

5.2.1.5 Telephony / Call log

The call log presents an overview of all the call events to and from the Robin.

You can delete the complete log file using the red X alongside the 'Delete all rows' label. You can delete individual log lines by clicking the red X behind the log line in question.

Call log:

5.2.1.6 Telephony / Control

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

Call:

▪ Call	Initiate a call using the 'Call' button
▪ Hangup	End a call using the 'Hangup' button
▪ Registration status	Shows the IP-PBX or VoIP provider registration status
▪ Registration status secundary	Optional: Shows the secondairy IP-PBX or VoIP provider registration status
▪ Call status	Shows the Robins call status (idle, ringing, connected)

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Configuration

5.2.2 Audio

5.2.2.1 Audio / Settings

In this menu you can control all audio related settings such as speaker volume and microphone sensitivity.

Settings:

▪ Speaker volume	Change the speaker volume
▪ Microphone sensitivity	Change the microphone sensitivity
▪ Tone volume	Change the tone volume
▪ Audio boost	Increase the volume by approx. 6db
▪ Mute	Tones incoming: All incoming tones of a call (phone -> Robin) Tones all: All of the Robin generated tones All audio: Mute all output (listen-in function)
▪ Generate test tone	Play a test tone
▪ Echo canceler	Select the echo canceller mode
▪ Denoise	By default, all background noise will be filtered to improve the sound quality. In a loud environment the sound quality might improve by disabling this feature
Half duplex setting only: ▪ Vox level	Set the switch level of the microphone / speaker
▪ Vox hyst	Modify this setting to smoothen the switch between sending and transmitting

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The echo canceller can be set to:

- Off, no echo cancellation
- Adaptive, active echo cancellation. Allows two-way simultaneous communication
- Half-duplex, makes use of sound detection to switch between speaker or microphone. This disables simultaneous two-way communication. You either speak or listen.

With the echo canceller set to 'half duplex' a 'Vox level' slider is visible. It allows you to set the switch level of the microphone / speaker

! Note: Tuning the 'Vox level' is necessary to establish good communication when set to 'half-duplex'. !
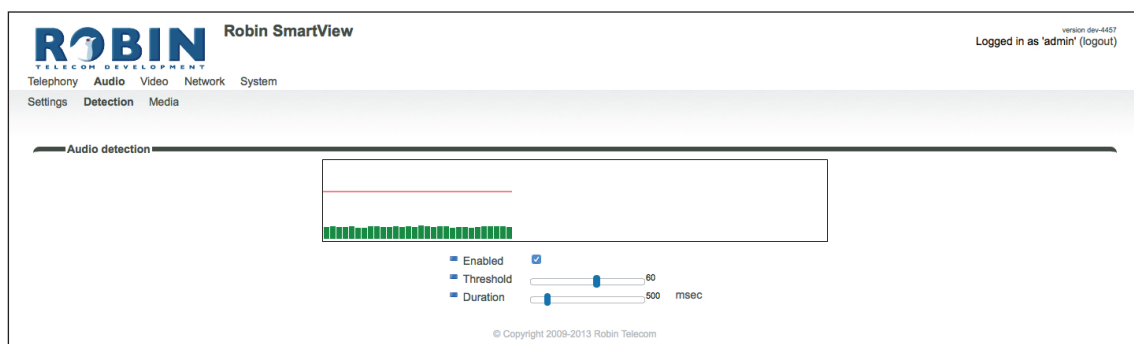
5.2.2.2 Audio / Detection

The Robin is capable of detecting sound through its microphone.

This detection can trigger 'Actions' such as activation of a relay switch or automatic calling to a phone set. 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.

Audio detection:

▪ Enabled		Enable or disable the audio detection
▪ Treshold		Change the volume threshold of the detection
▪ Duration		Change the audio duration of the detection

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5.2.2.3 Audio / Media

The Media menu allows you to import audio files into the intercom. These files can be used (played back):

- For events
- For phone related functions (ring, ring back, disconnect, busy)

Upload:

▪ Upload status	Shows the upload status
▪ Status	Shows the result of the uploaded file
▪ File	Select the file to upload (wav of mp3), max. size 1MB

Media list:

The green '+' creates a new line.
The '>>' behind a line opens the details for this line.
The red X behind a line deletes the line from the list.

▪ Name	The name that is associated with this audio file
▪ Play	Plays the audio file through speaker of the intercom

C

Tone selection:

Select an audio file to play for a selected phone related function (ring, ringback, disconnect, busy).

The green '+' creates a new line.
The '>>' behind a line opens the details for this line.
The red X behind a line deletes the line from the list.

▪ Tone	Select the phone related function
▪ Media	Select the audio file

**5.2.3 Video** *(on Robin devices with build-in camera)*

5.2.3.1 Video / Live

Shows real time video captured by the camera. Double-click on the image to toggle between full screen video or default size video.

By using the on-screen controls in the upper right corner of the image you can modify the brightness of the image.

The three buttons below the video frame functions as controls for the built-in relays switch. They are used for:

- Switching off (Close)
- Switching on (Open)
- Switch on and after a predefined time automatically off (Pulse)

! Note: These three buttons are only visible if the option: ' User can control door opener' (-System-Security-) is enabled. !

C
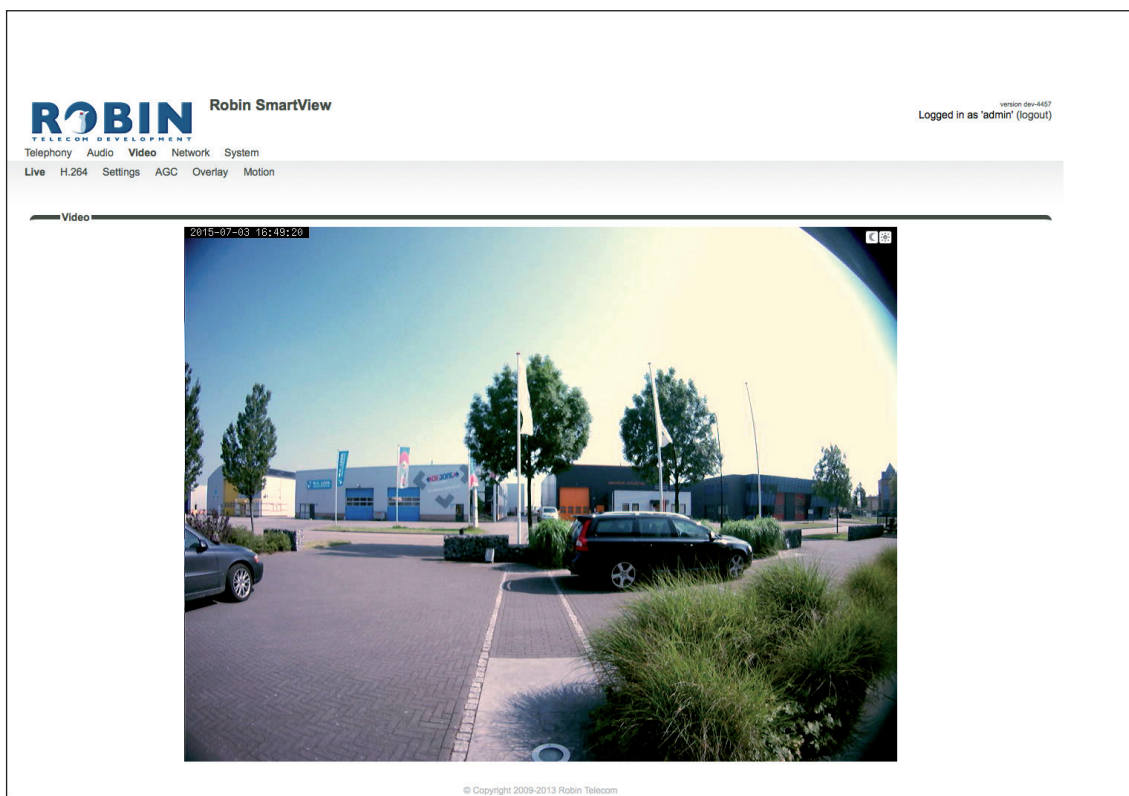
5.2.3.2 Video / H.264

Shows near-real time video and audio of the camera. For the video the H.264 protocol is used, this will cause a delay of approximately 10 seconds.

5.2.3.3 Video / Settings

You can change all the camera related settings here.

- Settings: settings that are associated with the video quality
- Image - settings that are associated with the image quality
- Encoder: settings that are associated with the degree of image compression

C

Settings:

The 'Sensor mode' menu allows you to choose between two optimization profiles. You can choose between Performance or Quality.

- Performance - The Robin settings are optimized to achieve the highest possible frame rate. The video quality will loose some detailing.
- Quality - The Robin settings are optimized for the best video quality possible. The frame rate will be limited to approximately 15 frames per second.

The 'Resolution' menu allows you to select the video image resolution. Choose between 'VGA', 'SD' or 'HD'.

- VGA - The video image will be presented with a vertical resolution of 480 pixels
- SD - The video image will be presented with a vertical resolution of 576 pixels
- HD - The video image will be presented with a vertical resolution of 720 pixels

The 'Sensor aspect' menu allows you to choose the preferred aspect ratio of the video image.

- 4x3 - The default aspect ratio
- 16x9 - Widescreen

Image:
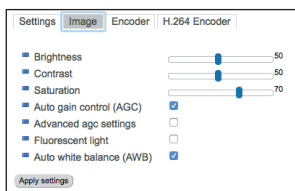
▪	Brightness	Changes the brightness of the video image
▪	Contrast	Changes the contrast of the video image
▪	Saturation	Changes the colour saturation of the video image
▪	Auto gain control (AGC)	'Automatic Gain Control' automatically matches video image exposure to the light circumstances
▪	Fluorescent light	Activate this function if artificial light sources in a room cause interference, e.g. TL strip lighting
▪	Auto white balance (AWB)	'Auto White Balance' automatically matches the colour temperature of the video image to the circumstances

Encoder:

Settings | Image | Encoder | H.264 Encoder
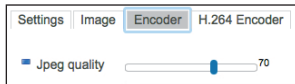
Jpeg quality ___|___ 70

▪ Jpeg quality	Allows you to change the quality of the 'Live' video images in the web browser (higher quality but more bandwidth usage)

! Note: Higher quality will put extra load on the bandwidth. !

H.264 Encoder

Change the H.264 encoder quality. This will have an impact on the RTSP stream. The storage space and bandwidth required will increase at higher settings.

C

5.2.3.4 Video / AGC

Define a zone in the image that the AGC will use for the measurements.

The AGC (Automatic Gain Control) automatically matches video image exposure to the light circumstances. This option can be switched on or off at the -Video-Settings- menu.

Use the mouse to define a selection area in the image. Draw a frame in the video image and enlarge/reduce it by dragging the top left and bottom right corners. The red cross at the top removes the selection frame.

Make sure that the most important area in the image is selected for the AGC function. This will usually be the location where the people will stand when they use the Robin.

5.2.3.5 Video / Overlay

Use the overlay option to display extra information in the upper left corner of the video image.

Overlay:

▪ Enable video overlay	Enable or disable the video overlay function
▪ Show date and time	Display the date and time
▪ Show device name	Display the device name (change the device name in -System-Device-)
▪ Show device location	Display the location of the Robin (change the location in -System-Device-)
▪ Additional overlay text	Display additional text

5.2.3.6 Video / Motion

Motion allows you to select parts of the video image where you want movement to be detected.

Detection of movement can trigger 'Actions' such as an acoustic signal, switching a built-in relay or initiating a call to a telephone. The actions are set in -System-Events-.

Use the mouse to select an area in the image. Draw a frame in the video image and enlarge/reduce it by dragging the top left and bottom right corners. The red cross at the top removes the selection frame.

Consider how to minimise the chance of a false alarm when selecting the zones. For example, avoid objects that move in the wind such as flags, branches on trees, etc.

Both detection sensitivity and the size of the object you want to detect can be adjusted. The graph at the bottom of the image allows you to verify whether the settings are correct.

The colour of the bars is green (= no detection) or red (= detection)
The red line indicates the boundary of the detection area.

C
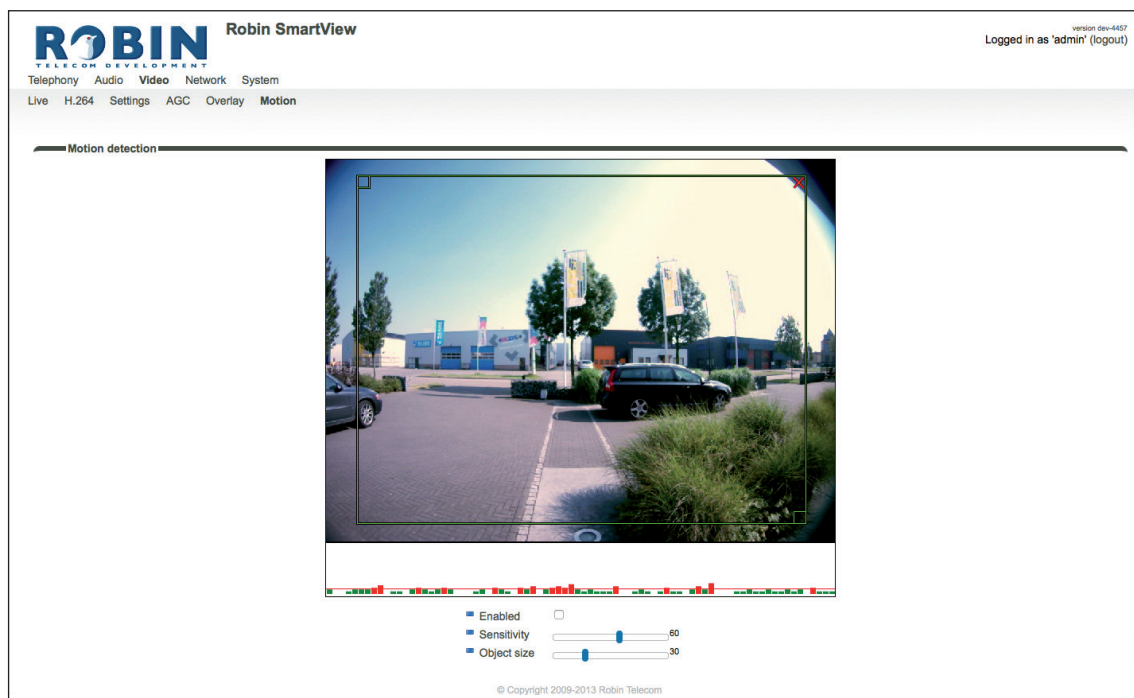
Motion detection:

▪	Enabled	Activates Motion detection
▪	Sensitivity	Increases/reduces detection sensitivity
▪	Object size	Changes the size of the object to detect by the Robin

! Note: To make tuning the Motion settings easier, no 'Events' that may have been set will be activated when the -Video-Motion- window for the Robin is open. When you close the -Video-Motion- window, detection is enabled again. !

5.2.4 Network

5.2.4.1 Network / Status

Network status shows the current network information.

Network status:

▪ Interface	Shows the network interface that is used
▪ MAC address	Shows the Robins MAC address
▪ IP address	Shows the IP address of the Robin
▪ IP netmask	Shows the IP netmask
▪ Default gateway	Shows the IP address for the default gateway
▪ Primary nameserver	Shows the IP address for the primary DNS
▪ Secondary name-server	Shows the IP address for the secondary DNS
▪ Linkstate	Shows the speed and status of the Ethernet link

5.2.4.2 Network / Settings

Allows you to change the network settings of the intercom.

C

Configuration:

▪ Configuration method	Select automatic (DHCP) or manual.
▪ IP address	Enter the IP address for the Robin
▪ Netmask	Enter the IP netmask
▪ Default gateway	Enter the gateway or router address
▪ Primary name server	Enter the IP address for the primary DNS (Domain Name Server)
▪ Secondary name server	Enter the IP address for a secondary DNS (Domain Name Server)

Security:

▪ Enable 802.1x authentication	Enable 802.1x authentication
▪ Status	Displays the 802.1x status
▪ Authentication type	Select the type of authentication; MD5, PEAP, TLS
▪ Identity	Enter your identity
▪ Password	Enter your password
▪ CA certificate	Select the CA certificate (PEAP and TLS only)
▪ Supplicant certificate	Select the Supplicant certificate (TLS only)

Settings:

▪ IP address	Shows the IP address of the intercom
▪ IP netmask	Shows the standard IP netmask
▪ Default gateway	Shows the IP address for the default gateway

C

Configuration

5.2.4.3 Network / HTTP

Proxy:

! Note: This is an HTTP Proxy server, not the SIP Proxy server (for the SIP connection to the PBX) !

• Enable HTTP proxy	Activates the use of an HTTP proxy server
• Proxy server address	Enter the address or hostname for the proxy server
• Proxy server port	The IP port used by the proxy server for communication

Settings:

• HTTP port	Set the IP port for HTTP communication. (default value is 80)
• HTTPS port	Set the IP port for HTTPS communication. (default value is 443)
• Certificate	Optional - Select a certificate for the HTTPS connection

5.2.4.4 Network / Mail

Configure the e-mail settings for the Robin.

Server settings:

The green '+' creates a new line.
The '>>' behind a line opens the details for this line.
The red X behind a line deletes the line from the list.

▪ From address	Set the from e-mail address of the Robin
▪ Mail server	Enter the e-mail server address or hostname
▪ Encryption	Select a encryption method (none, SSL, TLS)
▪ Auth	Select this option if mail server authentication is required
▪ Submission	Select this option if the mail server uses the 'Submission' protocol

Address book:

The green '+' creates a new line.
The '>>' behind a line opens the details for this line.
The red X behind a line deletes the line from the list.

▪ Name	The name that is associated with this e-mail address
▪ Address	The e-mail address

C

Mail server test:

Tests the connection with the configured e-mail server.

▪ To	Enter a recipient address for the test e-mail message
▪ Test SMTP server	Initiates the test e-mail message
▪ SMTP test result	Shows the test result

5.2.4.5 Network / NAT

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

Settings:

▪ NAT enabled	Enable the use of NAT
▪ 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
▪ Use inband STUN for NAT address discovery	Activate this option if inband STUN is used for discovery of the WAN IP-address and the connection port to use with NAT. Inband STUN uses the Outbound proxy host as source

C

Use STUN for NAT address discovery

▪ Stun server	The STUN server that will be used to retrieve the WAN IP-address (default STUN server: stun.xten. com)
▪ Stun port	The connection port of the STUN server (default: 3478)
▪ Stun status	Displays the status of the STUN request and the retrieved WAN IP-address

Use inband STUN for NAT address discovery

▪ Inband stun server	The STUN server that will be used. The Outbound proxy host will be used as source
▪ Stun port	The connection port of the STUN server (5060)
▪ Stun status	Displays the status of the STUN request

5.2.4.6 Network / RTSP

The Robin is able to stream the video and audio through RTSP. Most video management software (VMS) solutions use the RTSP standard *. The Robin uses H.264 for video and G.711 uLaw for audio.

! Note: The Robin uses the RTP over RTSP (TCP) standard. Not every VMS solution supports audio over RTSP. !

For more information regarding RTSP support of the Robin in combination with VMS solutions see the document: How-To_RTSP_ENG.pdf on the supplied USB drive. You can also download this document on our support-site: http://support.robintele.com

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Settings:

▪ Enable RTSP server	Enable RTSP support
▪ RTSP port	Change the RTSP port (default 554)
▪ Require authentication	Use RTSP authentication
▪ Username	RTSP username
▪ Password	RTSP password (needs to be defined)
▪ Allow Multicast	Enable Multicast *
▪ Multicast address	Set the multicast address
▪ Enable keep alive	Enable RTSP 'keep alive'
▪ Keep Alive Timeout	Set the keep alive timeout
--------------------------------	---
DSCP class	*The DSCP class is used for Quality of Service.*
▪ RTSP DSCP Class	Select the DSCP class for all SIP traffic
▪ Audio RTP DSCP Class	Select the DSCP class for RTP audio
▪ Video RTP DSCP Class	Select the DSCP class for RTP video
--------------------------------	---

* Multicast will reduce the load on the network and the intercom. ! Note: Not every video application supports multicast. !

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Configuration

5.2.5 System

5.2.5.1 System / Device

Info:

▪	Product	Product type
▪	Serial number	Serial number
▪	Version	Software version
▪	Revision number	Software revision number

Identity:

▪	Device name	The name entered here is passed to the SIP proto-col. This means that the name is visible, for example when a telephone has a caller ID display
▪	Location	You can enter the location of the Robin here, e.g. the main entrance, loading door, barrier, etc.
▪	Contact	Enter the details of the person responsible for managing the Robin

Button *:

▪	Button sensitivity	Modify the sensitivity of the button(s) *

*** Not available on every Robin.**

5.2.5.2 System / Clock

Change date and time related settings for the Robin.

Date and time:

|	
▪ Timezone	Select the right time zone
▪ Current time	Shows the current date and time settings
▪ Method	Allows you to choose between manual or automatic (NTP) time setting
▪ NTP server address	Enter the address or name of the time server here.
▪ NTP status	Shows the status of the selected time server
▪ Set time	Enter the date and time here (manual setting)

! Note: The Robin does not have a build-in backup battery. Every time the Robin reboots both the date and time need to be set. By default it will use an NTP server to set the date and time. In case of a 'manual' setting, this has to be done by hand after every reboot. We strongly recommend the use of an NTP server.!

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5.2.5.3 System / Events

The Robin is equipped with various automation options. For example, starting an outgoing telephone call to a predefined number, the sending of an e-mail containing a photo of the person using the intercom, the playback of an audio message etc.

All actions are triggered by an Event (source). An event source may be movement in front of the camera, a loud noise that exceeds a predefined volume or a push on the button of the intercom. You can select the various events sources here and set the response action that take place when an event occurs.

Event actions can be set to be time bound using the 'Schedule' mechanism of the Robin.
That way an action can only start within a time slot, eg. lunch or after work hours. Definition of the schedules can be done in the menu -System-Schedules-.
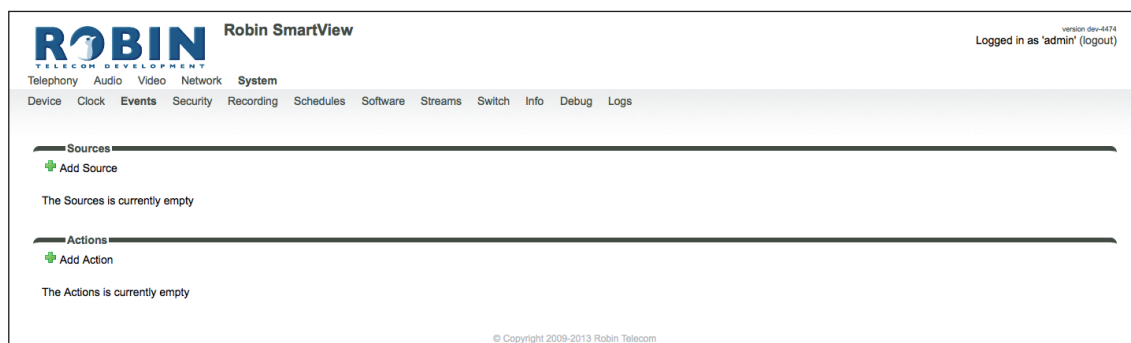
Sources

Define the events. Choose from:

- Audio - Triggers if audio is detected (VOX detection) - See menu -Audio-Detection-
- Button - Triggers when a button is pushed or a preset is chosen on the Keypad - (Choice: button 1, 2, 3, 4, 5, 6 or Keypad)
- 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 '0-9' (Eg. *1, *7 etc.) - (Choice: 0-9, or #)
- Http - Triggers if 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'
- Kadex - Triggers when a signal is detected coming from a Kadex home automation server. The Kadex event on which it needs to trigger can be set in the field: 'Event name'. As soon as this Event is set, the sub-menu 'Kadex' will be visible. Use this to fill-in the Kadex server details.
- Motion - Triggers when motion is detected by the camera - See menu -Video-Motion-
- Pin - Triggers when a correct PIN code is detected (only available on the Robin SV Keypad) - See menu -Telephony-Phonebook-, Presets
- Ring - Triggers when a 'ring' is detected (incoming or outgoing)

C
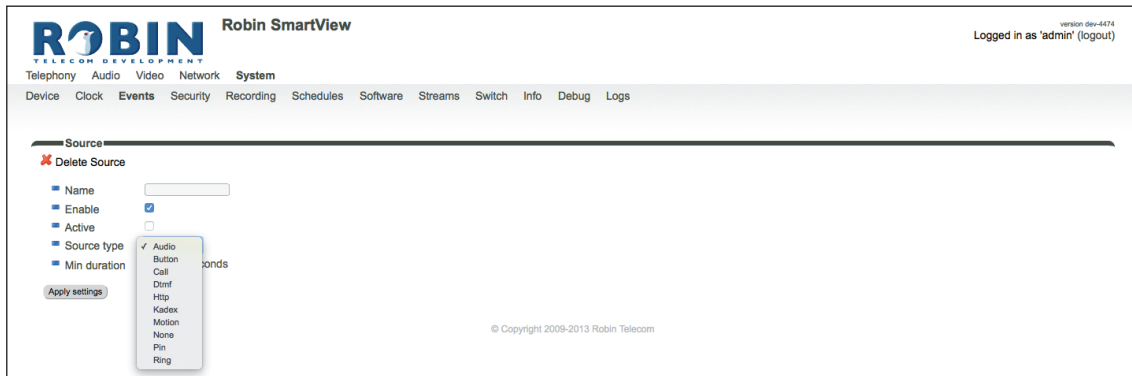
The green '+' creates a new 'Event' .
The '>>' behind a line opens the details for this 'Event'.
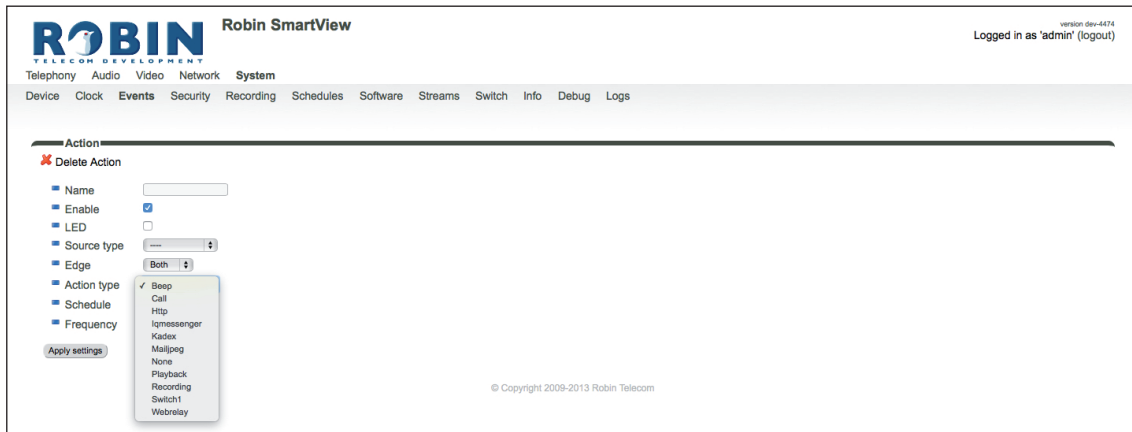*The red X behind a line deletes the 'Event' from the list.*

▪	Name	The name that is associated with this event source
▪	Enable	Enable this event source
▪	Active	Shows whether an event source is active
▪	Type	Selects the type of event source
▪	Min duration`	Set the event source minimum duration

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Actions:

Define the 'Actions'. Choose from:

- Beep - Starts playing a beep through the intercom - (Choice: frequency of the beep)
- Call - Start a phone call to the default phone number(s) - (Choice: *Allow hangup* (on/off): When on, a repeated source input also disconnects the call)
- Http - Emits a http command. - (*two URLs*: one if the source becomes active and one if the source becomes inactive)
- Iqmessenger - Emits a URL to the IQ Messenger system - (*One URL:* URL of the used IQMessenger system)
- Kadex - Emits an event to a Kadex home automation server. - (*Kadex event:* Name of the in the Kadex defined event). As soon as this Action is set, the sub-menu 'Kadex' will be visible. Use this to fill-in the Kadex server details.
- Mailjpeg - Send an e-mail containing a photo of the person using the intercom to a predefined e-mail address - For the Robin Keypad, see menu -Telephony-Phonebook- Presets. For the Robin with 1,2,4 or 6 buttons, see menu -Telephony-Call settings- Call priority.
- Playback - Plays an audio file - (*Mediafile*: choose a file, *Playback loop*: play once or play in a loop) - See menu -Audio-Media-
- Recording - Start a local video recording *
- Switch1 - Switch the internal relay switch in the Robin SV
- 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) **

C

Configuration

The green '+' creates a new 'Action' .

The '>>' behind a line opens the details for this 'Action'.

The red X behind a line deletes the 'Action' from the list.

▪ Name	The name that is associated with this event action
▪ Enable	Enable the event action
▪ LED	Not used
▪ Source type	Selects the event source for which this event action is the response
▪ Edge	Start the event action at the beginning of the event source, the ending of the event source or on both (rising / falling / both)
▪ Action type	Selects the type of 'Action'.
▪ Schedule	Select a defined schedule

* : The recording of video on the internal SD card is only possible if the 'Recording' feature is enabled. See menu -System-Recording-. Note: The recordings are not directly available for playback! An API is available to retrieve the recordings. This API can be used for development of an App to make the recordings available for playback. See the"How-To_Remote_Control" PDF on the supplied USB stick or on the support website: support.robintele.com

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

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5.2.5.4 System / Security

Configuration

Authentication:

▪ Require Authentication	Disable secure access to the web interface *! Note: Disabling Authentication is not recommended. !*
▪ Admin username	The Administrator username. (admin)
▪ Admin password	Change the default password of the Administrator (default: 123qwe)
▪ User enabled	Activate the User (disabled by default)
▪ User username	The User username. (user)
▪ User password	Change the default password of the User (has to be defined)
▪ User account locked	When enabled, the User can only login during a period of one hour after a call is made by the intercom.
▪ User can control door opener	Displays three buttons below the Live video frame (menu -Video-Live-) to control the built-in relay switch
▪ Allow HTTP access only from LAN	Increases the security of the Robin. Access to the WEB interface is only allowed from the same network as the Robin. *! Note: Disabling this feature is not recommended. !*

C

Configuration

Authentication Tokens:

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

The green '+' creates a new line.
The '>>' behind a line opens the details for this line.
The red X behind a line deletes the line from the list.

▪ Description	The name of the token
▪ Enabled	Enable the use of this token
▪ Token	Shows the generated token

Certificates:

The green '+' creates a new line.
The '>>' behind a line opens the details for this line.
The red X behind a line deletes the line from the list.

▪ Common name	The name of the certificate
▪ Certificate	Upload a certificate from the PC to the Robin
▪ Certificate info	Shows detailed information about the certificate

Access control:

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 / Recording

The Robin is able to record video on the internal SD card. Select the option 'Recording' to activate it.

! Note: The recordings are not directly available for playback! An API is available to retrieve the recordings. This API can be used for development of an App to make the recordings available for playback. See the "How-To_The_Robin_API_3.x.x.pdf" PDF on the supplied USB stick or on the support website: support.robintele.com !

5.2.5.6 System / 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
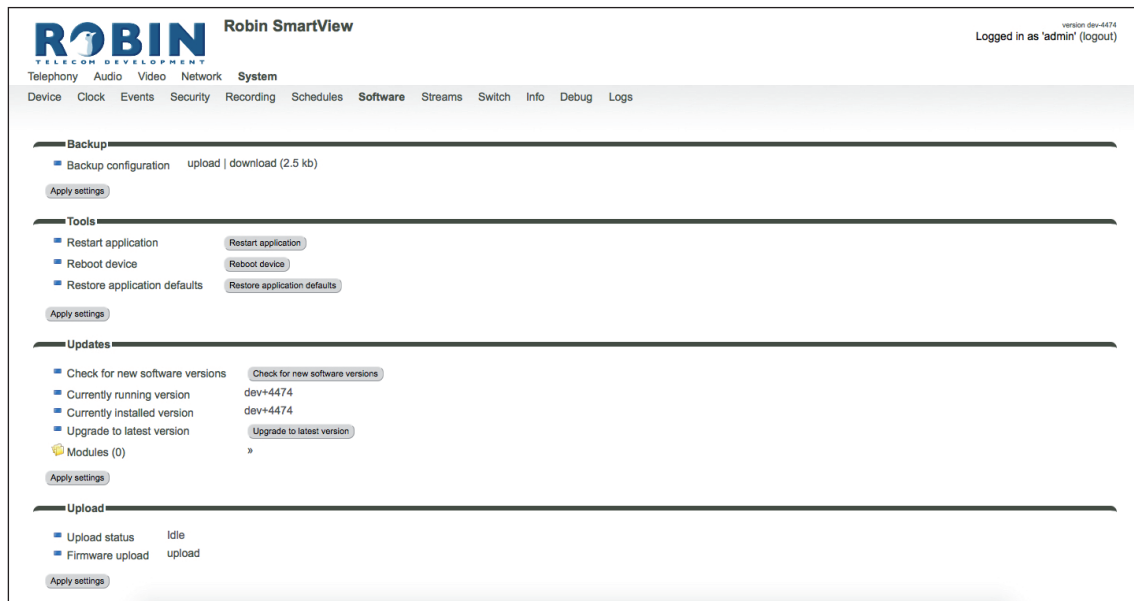13:01-17:00 afternoon -> call reception

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

5.2.5.7 System / Software

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

Updating is a two-stage process; the first step is to check whether new software is available. If so, you can initiate the upgrade to the latest version.

After the upgrade, the Robin has to reboot.

Backup:

▪	Backup configuration	You can make a backup of the settings using the 'Download' button. A file called 'Backupsettings.txt' is downloaded to the PC

You can restore a backup to the Robin using the 'Up-load' button. First, you select a backup file that was created earlier. After restoring the backup, the Robin must be rebooted |

C   *Tools:*

▪ Restart Robin appli-cation	Starts the Robin software up again. This is faster than rebooting the device
▪ Reboot device	Reboots the complete device. It may take 30 seconds before the Robin is active again
▪ Restore application defaults	Restores the default settings for the Robin

Updates:

▪ Check for new soft-ware versions	Checks whether new software is available
▪ Currently running ver-sion	Shows the current software version
▪ Currently installed version	Shows the software version that has already been installed
▪ Upgrade to latest ver-sion	Downloads the latest version of the software and installs it on the Robin

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

5.2.5.8 System / Streams

The 'Streams' menu shows all active video streams.

! Note: Not more then 3 simultaneous video streams are recommended. If more streams are active, functioning of the intercom might become disturbed. !

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5.2.5.9 System / Switch

The Robin has a built-in voltage free 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 switch 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'.*

Control:

▪ State	Displays the status of the relay switch (open / close)
▪ Close	Deactivate the switch
▪ Open	Activate the switch
▪ Pulse	Activate and automatically deactivate the switch after a predefined time

C
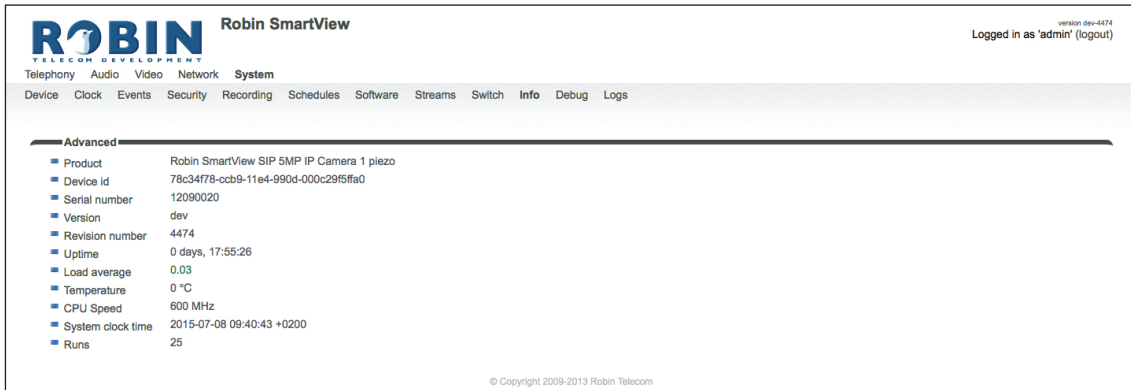
	For the actions: to open, to keep open and to close the keys 0.....9, * and # can be used
------------------------------	--
▪ To open	The relay switch opens and closes again after a set time (Pulse time). The default key combination for this is ' *##*'
▪ To keep open	The relay switch stays open, independently of the set time
▪ To close	The relay switch closes
------------------------------	--
▪ Pulse time	Set the time that the relay switch stays open (duration min. 1 second and max. 30 seconds)
▪ Play sound	Plays a tune when the relay switch is active
▪ Hangup after opening	Breaks the connection after activating the relay switch
▪ Close door after hanging up	Close the relay switch after the phone is disconnected
▪ Label for 'pulse' action	Change the display name for 'Pulse'
▪ Label for 'on' action	Change the display name for 'On'
▪ Label for 'off' action	Change the display name for 'Off'

! Note: The labels 'Pulse', 'On' en 'Off' will be visible under the live video image (-Video-Live-).
The option 'User can control door opener' needs to be enabled (-System-Security-). !

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5.2.5.10 System / Info

Info displays detailed information about the Robin.

Advanced:

▪ Product	Shows the product type
▪ Device	Shows the device ID
▪ Serial number	Shows the serial number
▪ Version	Shows the software version
▪ 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)
▪ Temperature	Shows the temperature in the Robin
▪ CPU speed	Shows the current processor speed
▪ System clock time	Shows the system time
▪ Runs	Shows the amount of runs

5.2.5.11 System / Debug

The Robin features a built-in 'Debug' function. This allows you to create a 'Network trace' of all the network traffic to and from the Robin. This tool allows for a fast and effective resolution of problems with the Robin.

The 'Go to Robin' function enables remote support to the unit. It connects the unit to Robin Telecom Development and can be used for remote support.

! Note: Go to Robin will only work after contacting the support department of Robin Telecom Development. !

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Trace:

▪	Status	Shows the status of the trace
▪	Interface name	The interface for which the trace is created
▪	Default sniffer 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

Go to Robin:

▪	Connect	Connect to 'Go to Robin'
▪	Status	Display the connection status of 'Go to Robin'
▪	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.
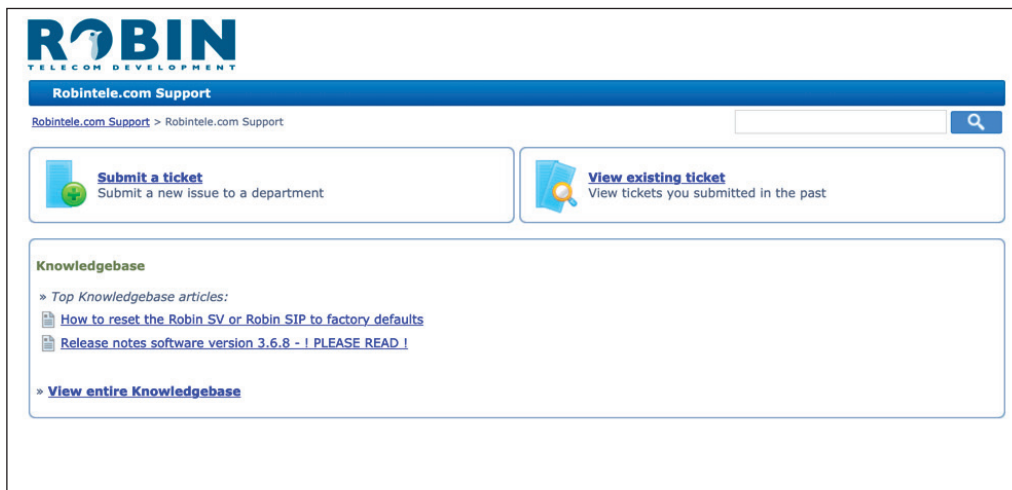

Log settings:

▪	Max lines to keep in log	The number of log file lines that are stored
▪	Download	Download the log file to the PC

Application log:

▪	Timestamp	Time stamp for the log entry
▪	Log level	The log entry classification
▪	Class	The software component in the Robin that led to generation of the entry
▪	Message	The actual log message

6 Support

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

Appendix A, List of key words

Default setting:
Standard programme setting.

DHCP:
'Dynamic Host Configuration Protocol'.
Computer protocol that describes how a computer can obtain its network settings from a DHCP server.

DNS:
'Dynamic Name System'.
Protocol for managing domain names and IP addresses on the Internet.

DNS server:
This is the system that compares all the domain names and IP addresses in a database with each other and links them with the aid of a DNS server.

End-to-end:
The 'end-to-end' principle is one of the core principles of the Internet and is reflected in the design of the underlying methods and protocols of the 'Internet Protocol Suite.'
The principle is based on definition of the communication protocol actions in such a way that they take place at the 'end points' of a communication system, or as close as possible to the source that is to be verified.

Gateway:
A 'gateway' is a network point that acts as a "door" to a network other than the local network.

GUI:
'Graphical User Interface'.
The graphical user environment is a tool for interacting with a computer that uses graphical images and text.

HTTP:
'Hypertext Transfer Protocol'.
http is the protocol for communication between a web client (generally a web browser) and a web server. This protocol is not just commonly used on the World Wide Web, it is also used in local networks (which we call an intranet).

IP:
'Internet Protocol'.
This is the part of the system that is used to allow computer networks to communicate with each other via other networks, such as the Internet.

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LAN:
'Local area network'.
Local area network of two or more computers that are connected with each other, either directly or via a shared medium.

MAC (address):
'Media Access Control'.
The MAC address is a unique identification number that is allocated to a device in an Ethernet network.
Hardware address is another name for the MAC address. It ensure that the devices in an Ethernet network can communicate with each other.

Midspan (PoE):
A Midspan (PoE) is a device that injects power over a standard Ethernet connection.

NAT:
'Network Address Translation'.
Network Address Translation, for which the terms Network masquerading or IP-masquerading are also used, is the translation of IP addresses and often also TCP/UDP port numbers from one separated range to another. Often used to allow multiple users of a home network to access internet via a single IP address.

Netmask:
Binary number that is used to create a subnet.

NTP:
'Network Time Protocol'.
A protocol that is used by the time server.

PBX:
'Private Branch Exchange'.
Abbreviation used for a business telephone exchange for private use.

PoE:
Power over Ethernet.
A system for delivering power and data via an Ethernet network.

Proxy server:
A proxy server is one that is located between a user's computer and the computer where the information the user wants is stored.

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SIP:
'Session Initiation Protocol'.
A protocol that makes multimedia communication (audio, video and other data communication) possible and used among other things for the Voice over Internet Protocol (VoIP).

STUN:
'Session Traversal Utilities for NAT'.
'STUN' is a protocol or tool that is used when applying NAT.

Time server:
A 'time server' is a network computer, which reads the time from a clock that has been allocated to it and transfers this information to other computers that use the same network.

VoIP:
'Voice over Internet Protocol'.
A protocol that uses the Internet or another IP network to transport speech.

Web GUI:
A web browser-supported graphical user environment (see also GUI).

B Appendix B, 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. That doesn't mean that these two options are the only options possible!

Basic electronic door lock with power supply:
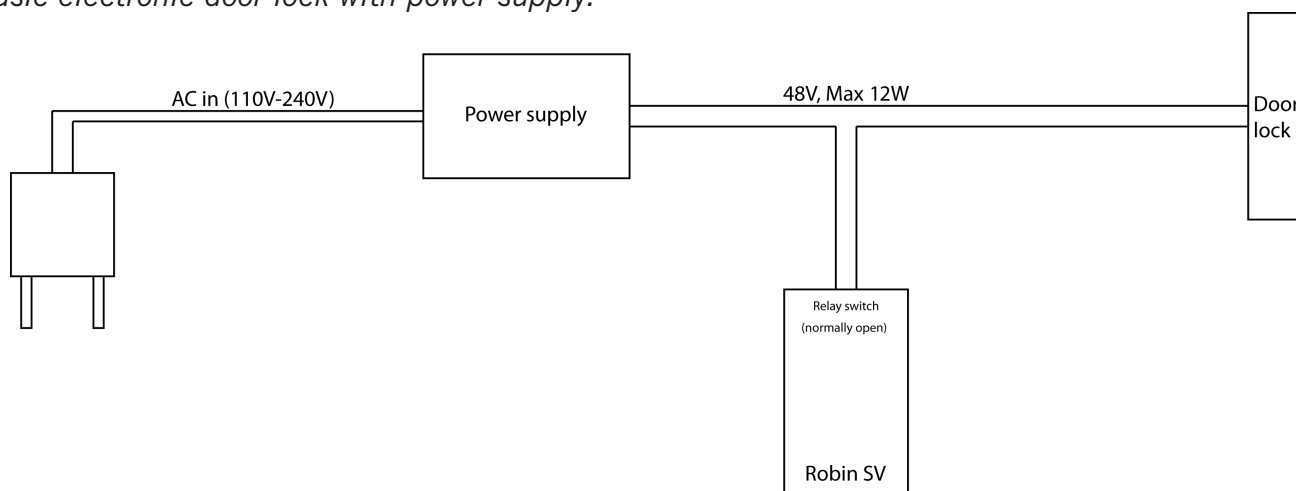
Electronic door lock with input contact on the control box:
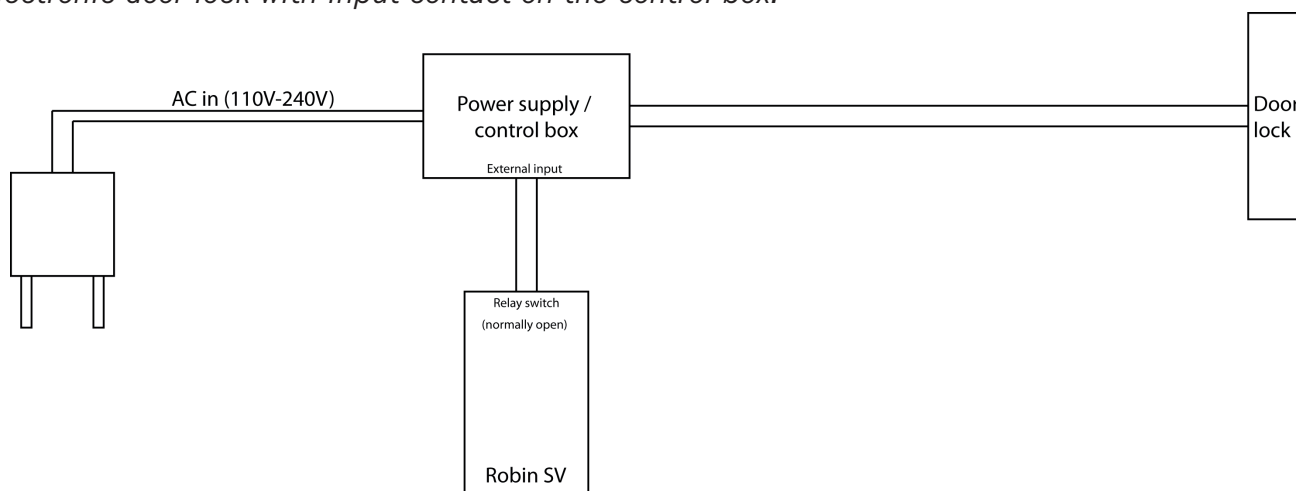
! Note: The relay switch of the Robin doesn't supply power for the electronic lock! Make sure that the switched voltage does not exceed 48V and the switched power is max. 12W. !