TVHS20001/S

EN Operating instructions

Version 10/2023

D Introduction

Dear customer,

Thank you for purchasing this product.

The unit complies with the requirements of the following EU directives: EMC Directive 2014/30/EU and RoHS Directive 2011/65/EU.

In order to maintain this condition and to ensure safe operation, you as the user must observe these operating instructions!

Read through the complete operating instructions before using the product, observe all operating and safety instructions!

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If you have any questions, please contact your specialist installer or trade partner!

Disclaimer

These operating instructions have been prepared with the greatest care. However, if you notice any omissions or inaccuracies, please let us know.
ABUS Security-Center GmbH & Co KG accepts no liability for technical and typographical errors and reserves the right to make changes to the product and operating instructions at any time without prior notice.
ABUS Security-Center is not liable or responsible for any direct or indirect consequential damage
arising in connection with the equipment, performance and use of this product. No warranty of any kind is given for the contents of this document.

Important safety instructions

In the event of damage caused by non-observance of these operating instructions, the warranty claim will expire. We accept no liability for consequential damage!

We accept no liability for damage to property or personal injury caused by improper handling or failure to observe the safety instructions. In such cases, all warranty claims are void!

Dear customer,
the following safety and hazard information is intended not only to protect your health but also to protect the appliance. Please read the following points carefully:

- There are no parts inside the product for you to maintain. In addition, opening/dismantling voids the approval (CE) and the guarantee/warranty.
- Falling from even a small height can damage the product.

Avoid the following adverse environmental conditions during operation:

- Wetness or excessive humidity
- Extreme cold or heat
- Direct sunlight
- Dust or flammable gases, vapours or solvents
- strong vibrations
- strong magnetic fields, such as near machines or loudspeakers
- The camera must not be installed on unstable surfaces.

General safety instructions:

- Do not leave the packaging material lying around carelessly! Plastic foils/ bags, polystyrene parts etc. could become a dangerous toy for children.
- For safety reasons, the video surveillance camera must not be placed in children's hands due to small parts that can be swallowed.
- Please do not insert any objects through the openings into the interior of the unit.
- Only use the attachments/accessories specified by the manufacturer. Do not connect any non-compatible products.
- Please observe the safety instructions and operating instructions of the other connected units.
- Check the unit for damage before putting it into operation. If this is the case, please do not put the unit into operation!
- Keep within the limits of the operating voltage specified in the technical data. Higher voltages can destroy the unit and endanger their safety (electric shock).

When installing in an existing video surveillance system, make sure that all units are disconnected from the mains and low-voltage circuit.

If in doubt, do not carry out the assembly, installation and wiring yourself, but leave this to a specialist. Improper and amateurish work on the mains or house installations not only poses a danger to yourself, but also to other people.
Wire the installations so that the mains and low-voltage circuits always run separately and are not connected to each other at any point or can be connected due to a defect.

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1. Intended use

This camera is used for video surveillance indoors or outdoors (depending on the model) in connection with a recording device or a corresponding display device (e.g. PC).

Any use other than that described above may result in damage to the product, and there are also other dangers. Any other use is not in accordance with the intended use and leads to the loss of the guarantee or warranty; all liability is excluded. This also applies if conversions and/or modifications have been made to the product.
Read the operating instructions completely and carefully,
before you put the product into operation. The operating instructions contain important information for assembly and operation.

2. Explanation of symbols

The symbol with the lightning bolt in the triangle is used when there is danger to the health exists, e.g. due to electric shock.

An exclamation mark within the triangle is intended to alert the user to the presence of important instructions in this manual that should be followed.

This symbol can be found when special tips and notes on operation are to be given to you.

	This instruction manual describes the hardware functions of the camera. For information on the software user interface of the corresponding camera, please read the operating instructions Software of the product. **You can find the operating instructions in the national language as a PDF document on the Internet at www.abus.com via the product search.**

3. TVHS20001/S

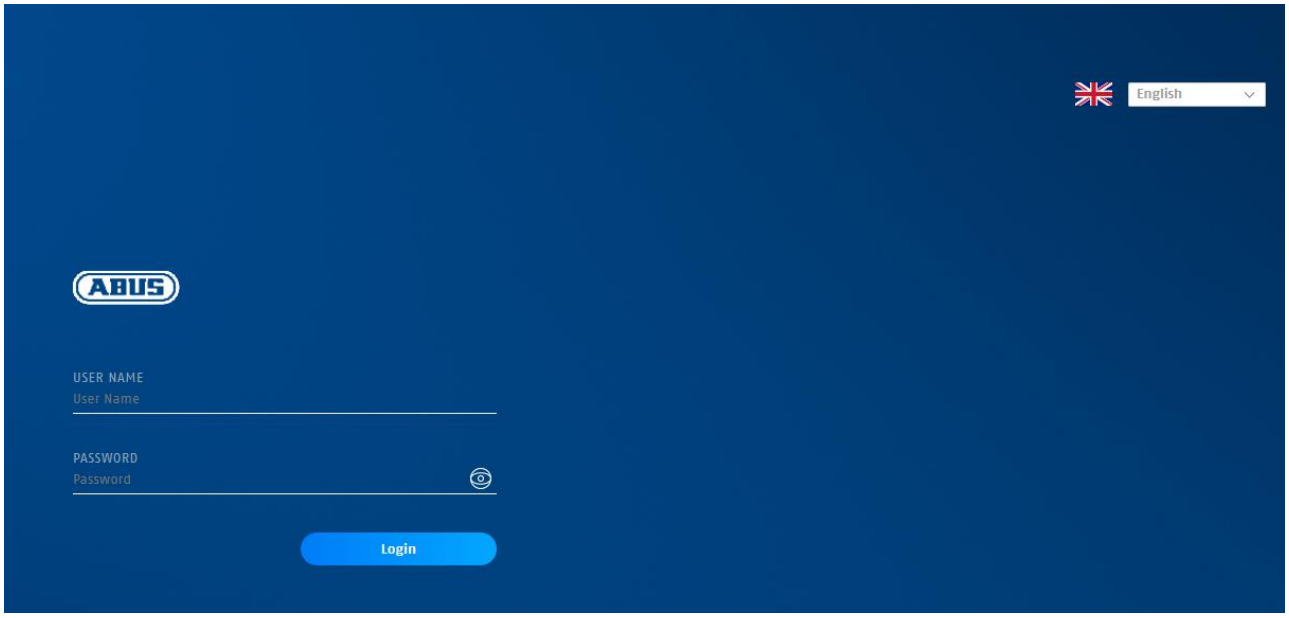
3.1 Compatibility and innovations

The TVHS20001/S is fully downward compatible with the TVHS20000/S. Existing installations can easily be extended by the TVHS20001. The new module includes the following innovations:

- Web interface available (plugin required)
- SIP prepared
- Power supply of electric strike via door module (12V DC, max.500mA)
- By means of the numeric keypad TVHS20030/S, the second relay in the door module can now also be controlled (4 to 6 digit PIN).
- Up to 4 external bell buttons for 4 flats can be connected directly to the module (via switching input)
- Improved image quality without distortion / fisheye effect
- Nameplate with silicone insert for sealing
- Backlighting of the nameplates/bell buttons can also be switched on and off via schedule or manually
- Direct call of the **ABUS CMS software**

4. Web interface

4.1 Login



If the module is connected to a network, it first obtains an IP address via the DHCP server. With the ABUS IP Installer / IP Tool you can find the TVHS20001 in the network and open the web interface and log in by entering the IP address in the browser.

Important notice:

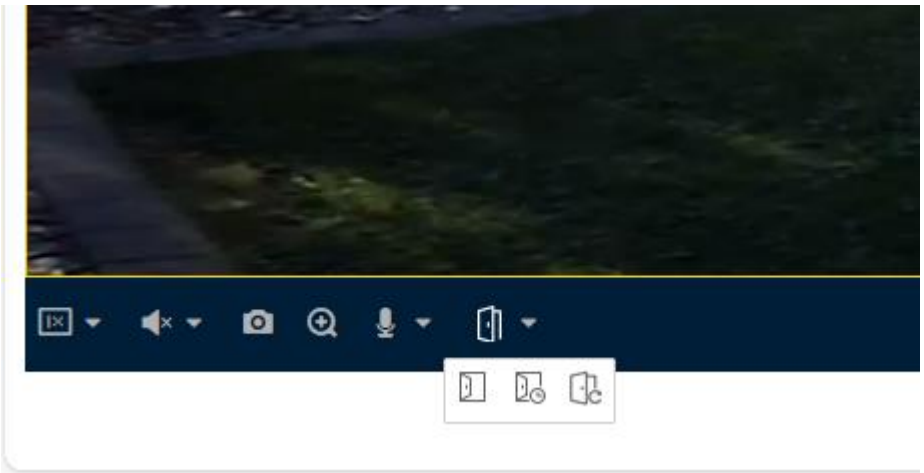
When setting up for the first time, an initial password must be assigned ("Activation") This password must be identical to the password assigned in the MODUVIS monitor (TVHS20200, TVHS20210, TVHS20220) during set-up. Otherwise, the monitor and door module cannot communicate and malfunctions will occur.

However, the TVHS20001 can also be activated and set up directly (like the TVHS20000) from the monitor. In this case, the door module is already activated and you can log in with the user name "admin" and your own password.

4.2 Live view

Main overview page:
This opens the live image of the door module, switches to the device management and configuration page.
Please make sure that the requested plugin has been installed correctly to display the video image.

In addition, you have the option of manually opening the two relays of door 1 and door 2 or leaving them permanently "open". Use the buttons in the menu bar at the bottom left of the picture:



4.3 Device management

The device management function is not supported with the current hardware version of the MODUVIS monitors. The device management (connection monitor to the respective door station) is also defined directly in the monitor itself on the display as before.
The function can be used after the release of a new hardware generation of MODUVIS monitors.

4.4 Configuration

4.4.1 System settings

4.4.1.1 Basic information

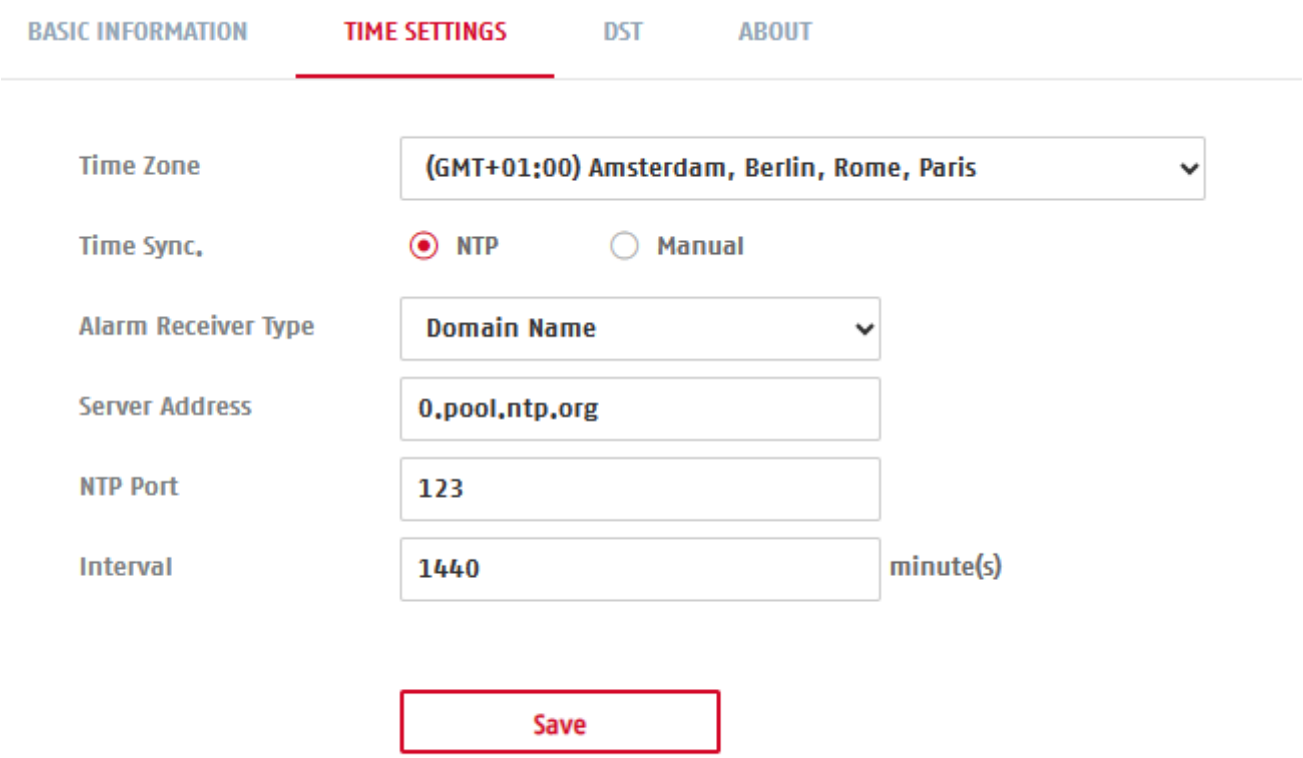
BASIC INFORMATION | TIME SETTINGS | DST | ABOUT

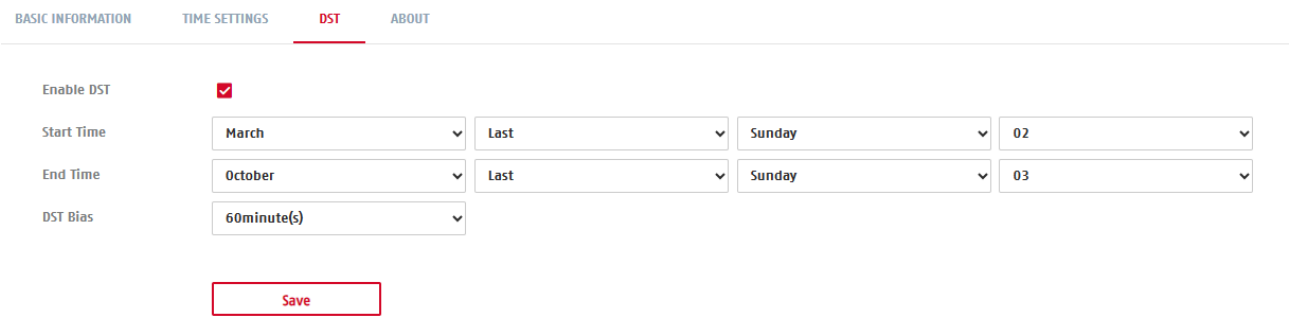
Device Name	OUTDOOR STATION
Device No.	88
Language	English
Model	TVHS20000
Serial No.	TVHS200000120221109RRP1173634
Firmware Version	V2.2.63 build 230427
Encoding Version	V2.7 build 221207
Web Version	v4.41.1build230118
Plugin Version	V3.0.7.50
Number of Channels	1
IO Input Number	4
IO Output Number	2
Local RS-485 Number	1
Register Number	10010100000
Number of Alarm Input	4
Number of Alarm Output	0

This menu item shows the installed firmware version and the serial number.

Speech output "Change language
In addition, the output language can be set on the video module via the "Language" selection box. (for example announcement: "Door is open", "Call failed").
The menu item only defines the announcement language of the door module and not the language of the web interface. The language of the web interface can be selected on the login page.

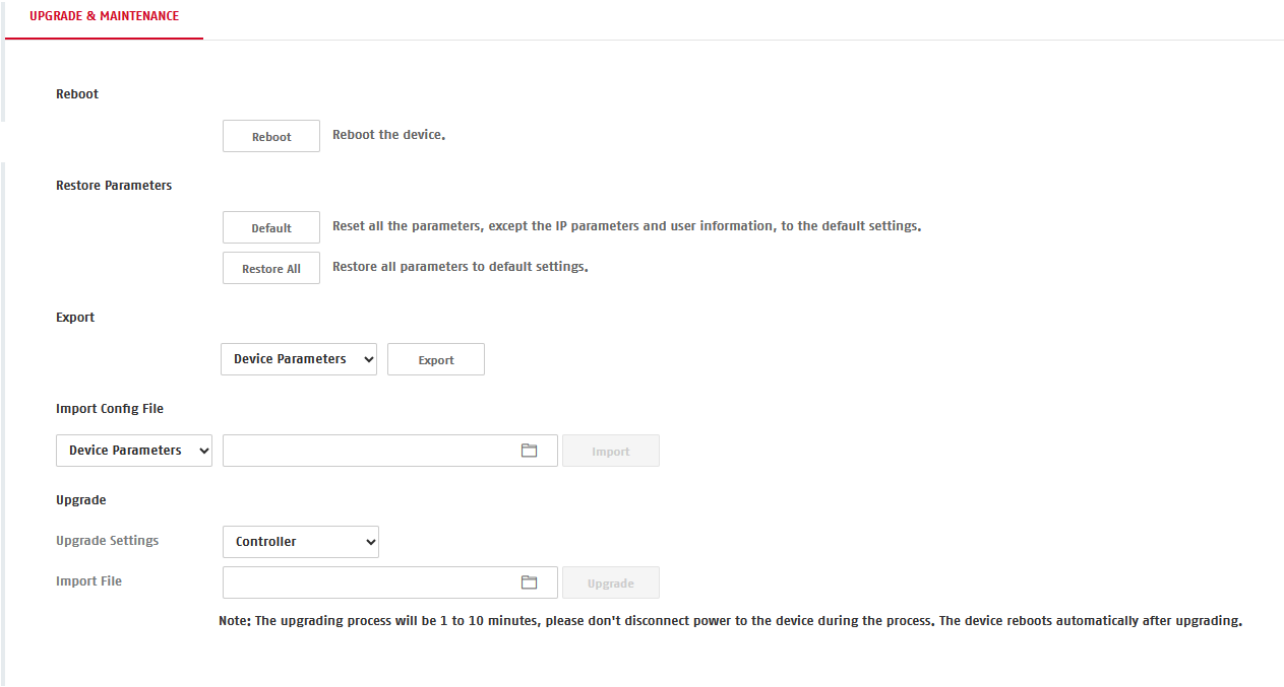
4.4.1.2 Time Settings / Summer- Winter Time





In these two menu items, time settings and settings for daylight saving time can be made. If the menu item is set to "NTP", the time is automatically obtained from the set server address via the Internet.

4.4.2 Updating & Maintenance



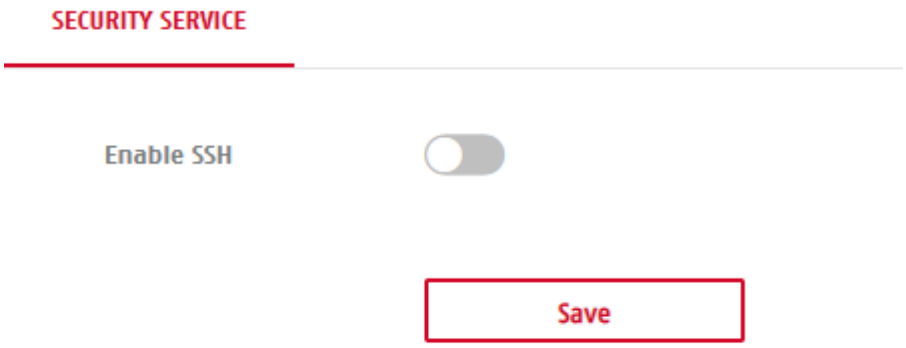
The unit is restarted via the "Restart" button.

Restoring the factory settings can be done via "Standard" or "Restore all".
When clicking on "Restore all", the module is completely set to factory settings, including user, password and IP address.

The configuration file can be exported or loaded via Import/Export.

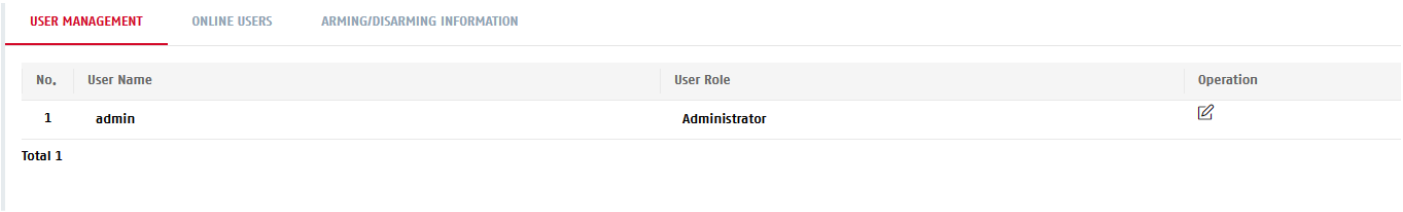
To perform a firmware update of the door module, "Control device" must be selected. The other selection items are not required currently.
In the item "Import file" please select the appropriate firmware file and confirm.

4.4.3 Security Service



SSH is used for internal maintenance purposes. This function is not needed and can remain set to disabled.

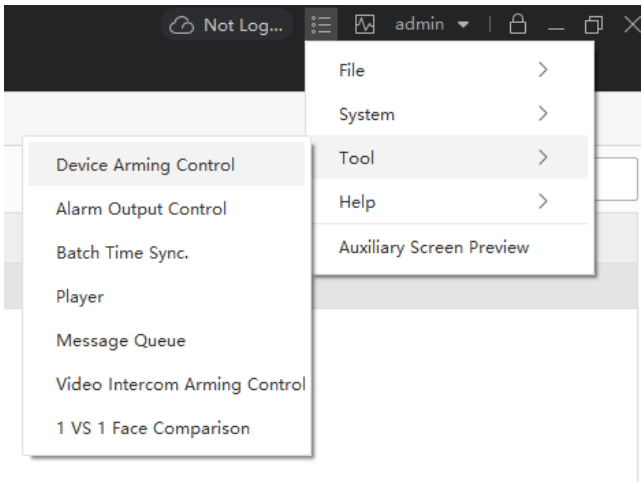
4.4.4 User administration

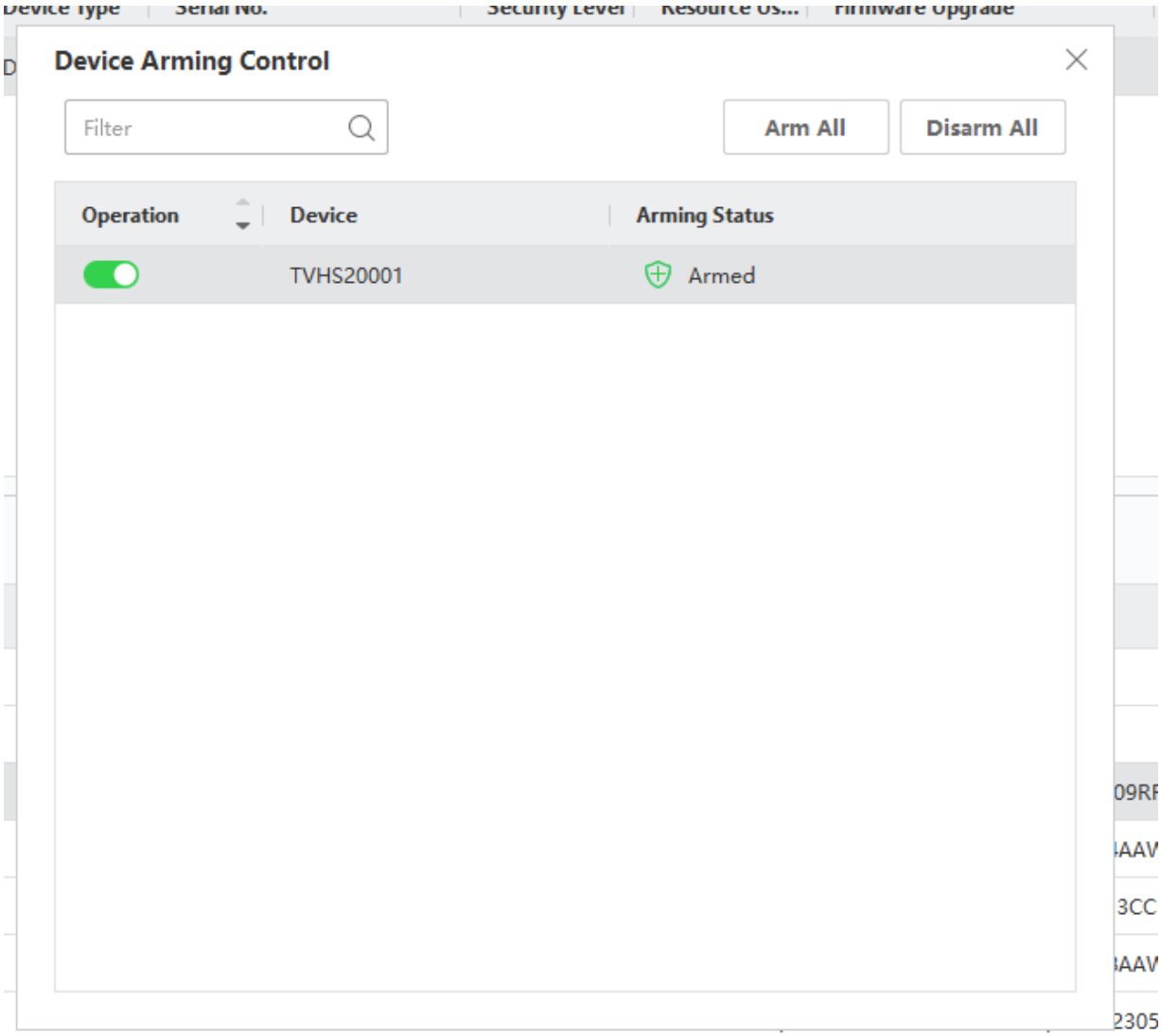


Under "**User administration**" you will find the administrator account with the user name "admin" and the password assigned during activation.
Please do not change the user "admin", otherwise the linked monitors in the system will lose the connection and the MODUVIS system will malfunction.

"Under "**Online users**" you can see which IP address and user are currently logged in (via web interface, connection to NVR, CMS).

In the menu item "**Arming/Disarming/Information**", the connected devices (NVR, ABUS CMS) can be seen which can receive information (tamper contact, door opener triggered, motion detection in the image). These notifications can be activated or deactivated in the ABUS CMS. To do this, open the "Device activation control" menu in the ABUS CMS software and activate/deactivate the function.



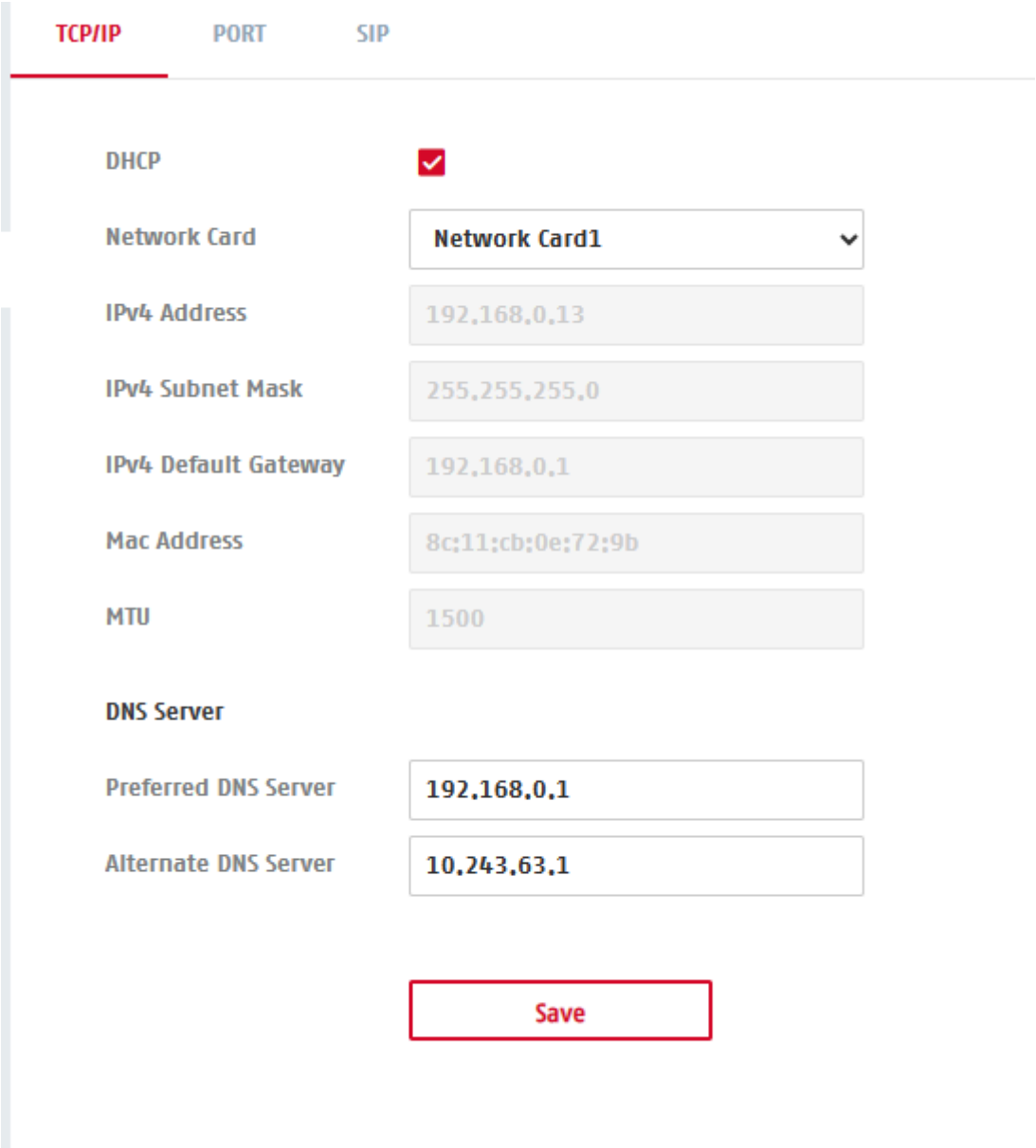


If this function is activated, e.g. triggered commands such as "Door opener activated" are sent to the CMS by means of an event message. (Events must be configured)

4.5 Network

4.5.1 General settings

4.5.1.1 TCP/IP



The IP address of the module is defined under "TCP/IP". A fixed IP address is recommended in order not to receive a changed IP after a restart or power failure.

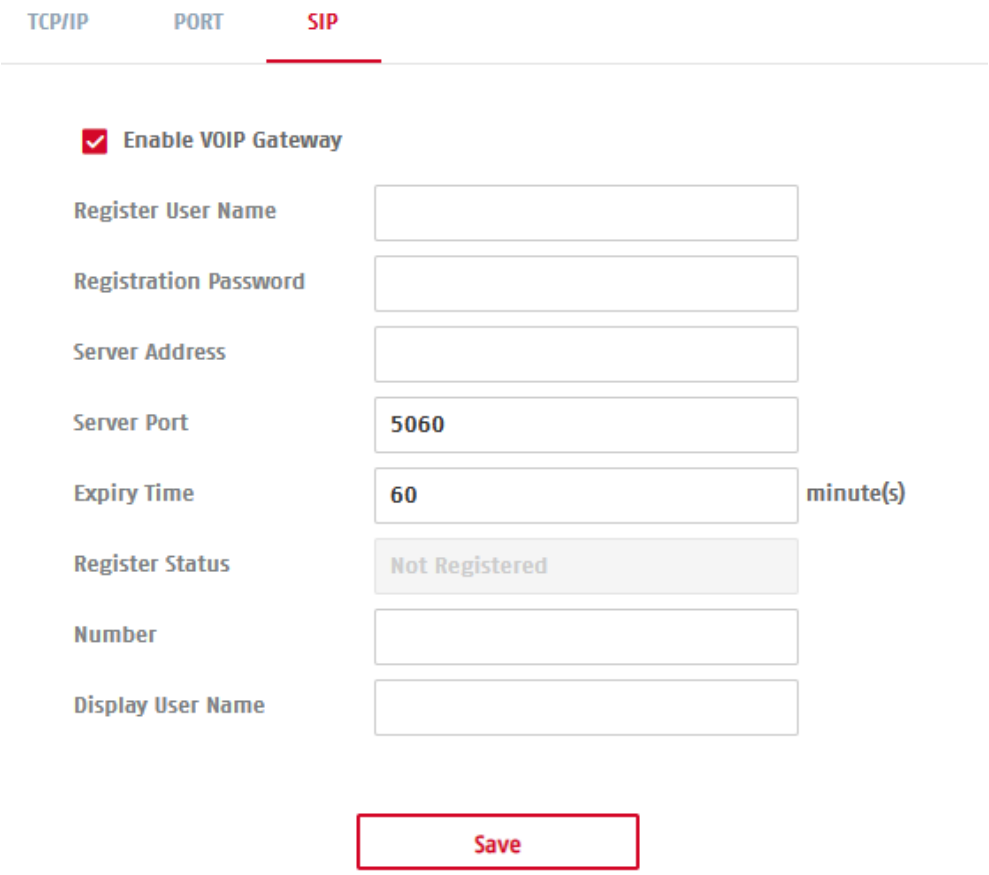
Under "Port", the common access ports for web interface access and server port for NVR and CMS access are defined. These ports have no influence on the connection between MODUVIS monitor and door module.

TCP/IP PORT SIP

HTTP Port	80
RTSP Port	554
HTTPS Port	443
Server Port	8000

Save

4.5.1.2 SIP VoIP



SIP parameters:
Register user name: Enter the SIP user name created on your SIP server here.
Registration Password: Enter the associated password of the SIP user name here.
Server address:
Enter the SIP server address
Server port:
Enter the communication port of the SIP server here.
Expiry date:
Defines the time period after which an automatic re-registration to the SIP server is performed.
Registration status:
Indicates whether the door station was able to successfully log in to the SIP server with user name+password.
Quantity (number):
SIP extension number of the door station (or of the registered SIP user)
Show username:
Transmitted display name of the door station within SIP calls

4.5.1.3 SIP Example Using FritzBox Setup

Fritz!Box SIP Server Setup
The following setup steps describe the configuration of a door station in combination with the integrated SIP server of an AVM Fritz!Box including a connected DECT Fritz!Phone C6.

Note
The SIP server of the Fritz!Box does not support MPEG video, only voice connections can be transmitted. For Fritz!Phone DECT telephones, a JPG URL has been integrated into the firmware of the door station in order to display preview images of the camera as still images during a call.

Attention:

When using the SIP function, a video image is no longer sent to the main monitor of the MODUVIS. Only door opener and two-way audio transmission are available.

Setting up the IP door intercom in Fritz!Box
To obtain a SIP user from your Fritz!Box, you must first create a telephony device at the router that provides a SIP user for the door station.

1. Open the web interface of your Fritz!Box router
2. Switch to the menu item **Telephony** -> **Telephony devices** -> Set up **new device**
3. Create a device of the type **door intercom** and select **LAN/WAN (IP door intercom)** and assign a device name
4. Assign a user name and password
5. Complete the setup of the wizard.

Note
Use a user name that only consists of digits, as only digits are permitted as the destination call number in the SIP configuration of the door station and the internal SIP numbers of the Fritz!box consisting of star symbols and numbers (e.g.: **620) cannot be processed.

6. Edit the IP doorphone settings by clicking the pencil icon in the telephony device list

7. In the **Live Picture** field, add the following URL to transmit individual pictures from the door station to during the call: Select **http://** from the dropdown. In the text field enter the following value:
   admin:abustest123!@192.168.188.144/ISAPI/Streaming/channels/1/picture
   admin: Administrator User name of your door station
   abustest123! Password of your administrator username
   @192.168.188.144 : IP address of your door station
   /ISAPI/Streaming/channels/1/picture : Path to the current still image of the door station #

8. Save the settings

9. Select under Menu Telephony Devices -> Live Picture to additionally transfer the picture path for the picture transmission to the Fritz!Phone when manually selecting from the address book. Edit the entry using the pencil symbol

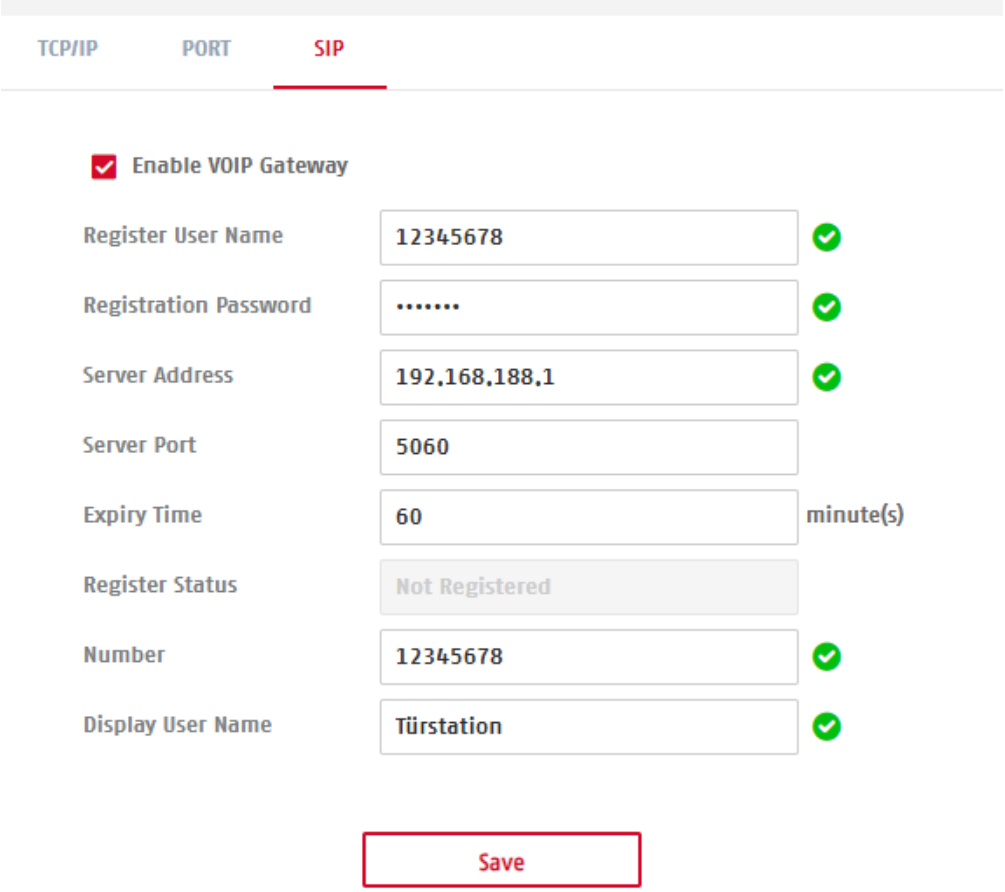
10. Store the following setting in the Source of live picture section Name: Door station
    Live picture URL:
    http://admin:abustest123!@192.168.188.144/ISAPI/Streaming/channels/1/picture
    Retrieval interval: 10 seconds

11. Save the settings

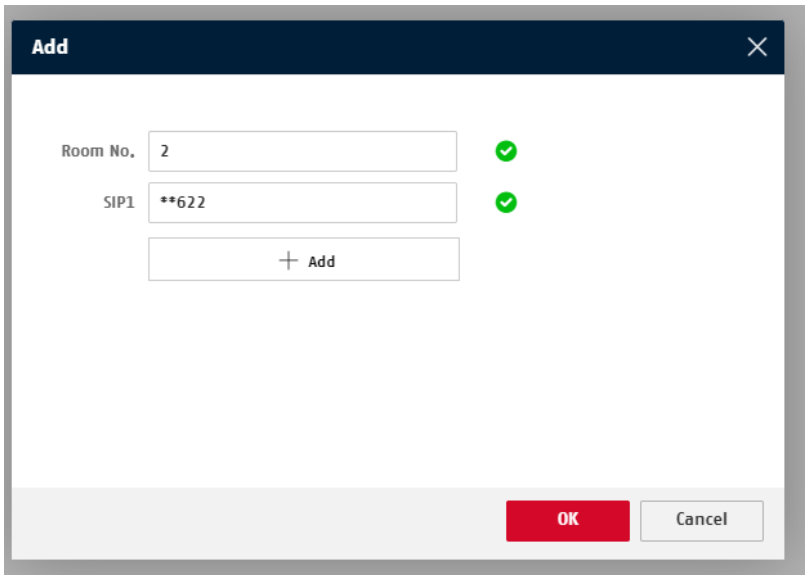
Fritz!Box SIP server set up in door station
Open the remote configuration of the door station in the ABUS CMS software and switch to the menu item Network ->General settings ->SIP
Store the following settings:
Register user name: User name of the IP door intercom of the Fritz!Box
Registration password: Password of the IP door intercom user
Server address: IP address of the Fritzbox
Server port: 5060
Expiry date: 60
Number (Number): User name of the IP door intercom
Show username: Any name (without special characters and umlauts)
Save

Save the settings and reload the SIP settings page (e.g.: by switching to another menu item and back again).

The registration status **"Registered"** must be displayed. If this is not the case, check the previous setup steps.

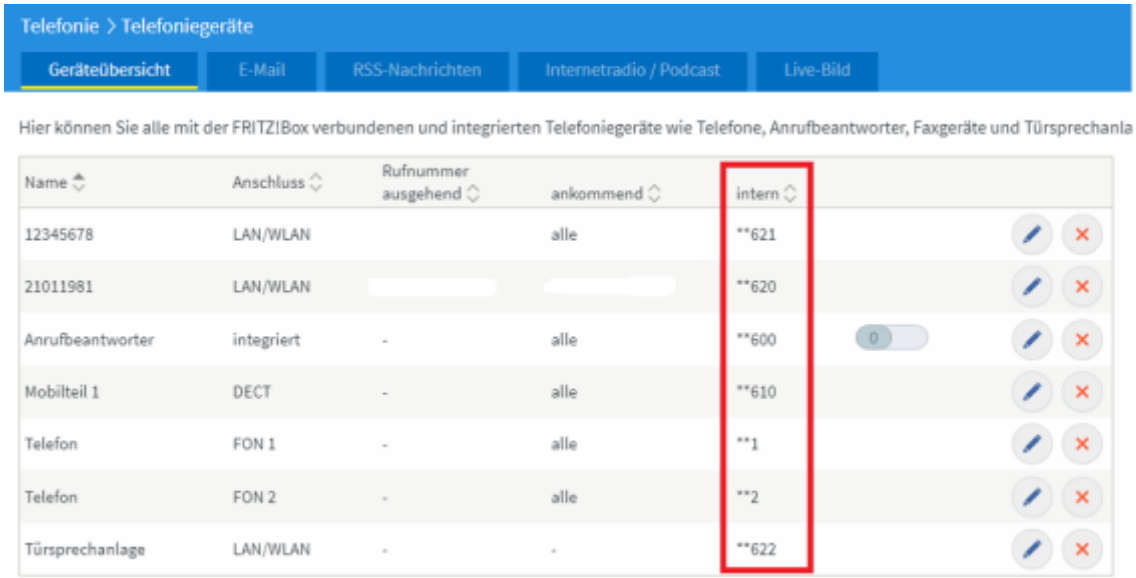


Assign SIP phone numbers
Switch to the menu item **Intercom -> Number settings** and click **Add.**

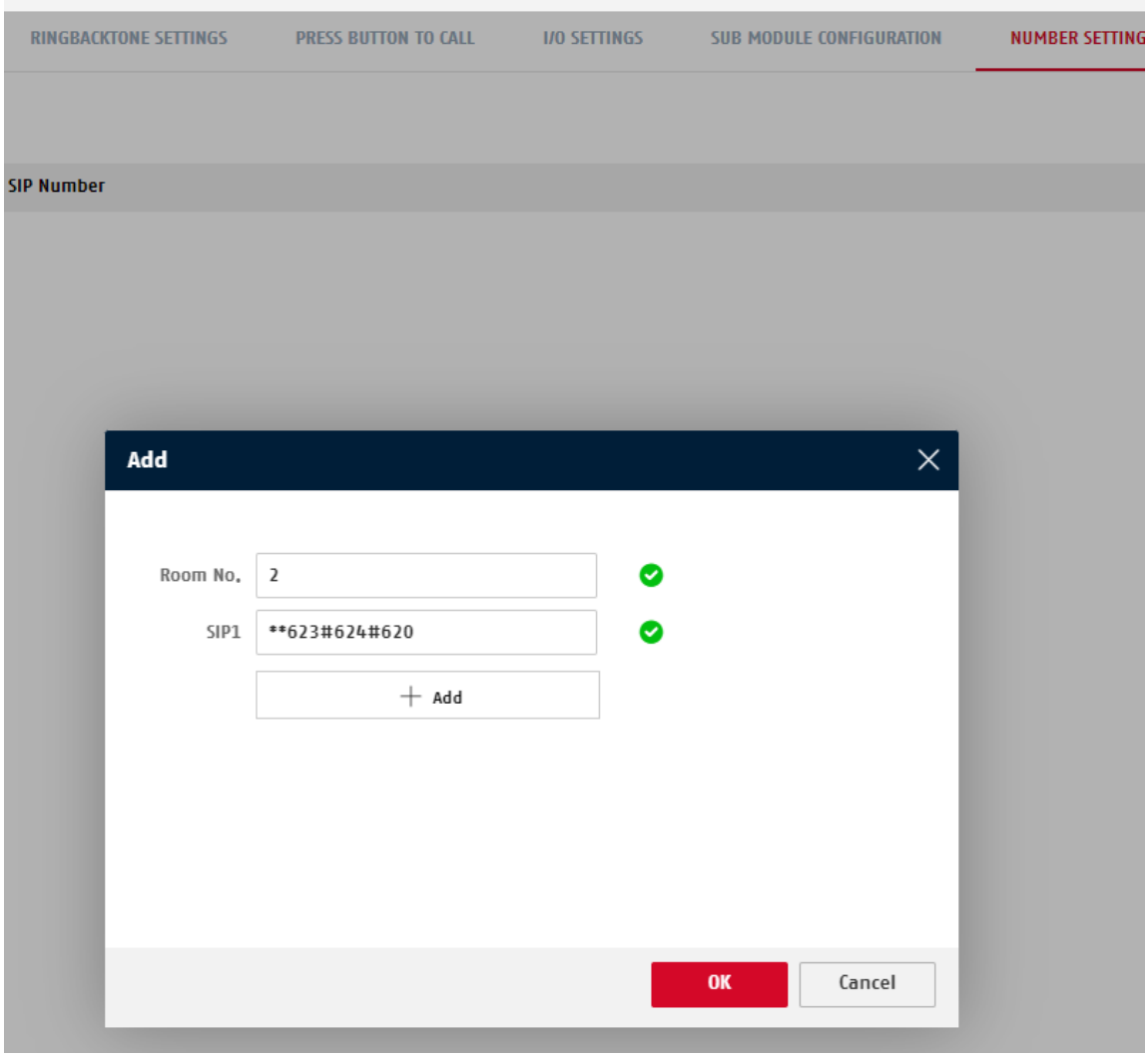


Store a free **room number** (which is not used by an indoor station) and store the internal Fritz!Box number of the target device to be called (e.g.: DECT telephone) as the SIP

number. You can obtain the available destination numbers from the **internal** column in the **device overview in** the **Telephony Devices** menu of your Fritz!Box.



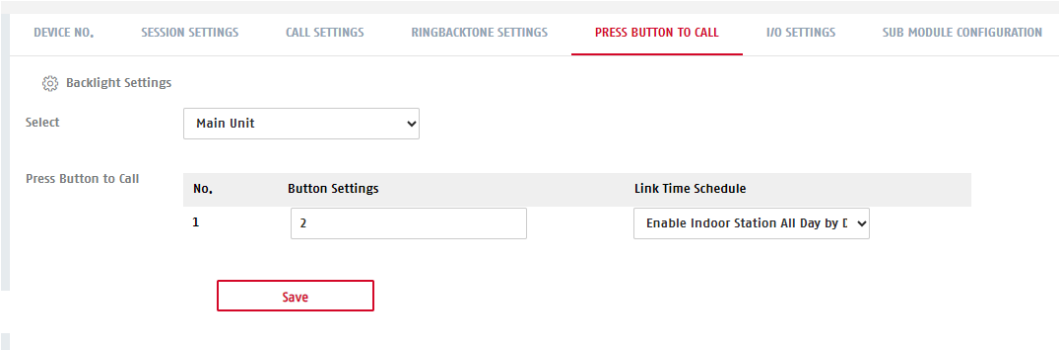
Note
Group call: if you want to call several Fritz! Box devices at the same time via a bell button, enter the destination numbers in the SIP1 input field in the following format: ****number#number...**



Assign call button

Switch to the menu item **Intercom** -> **Press button to call** and select the module for which you want to programme the call button in the Select drop-down field:

- Main unit: integrated bell button in the main video module
- Submodule: Bell button in extension module TVHS20030

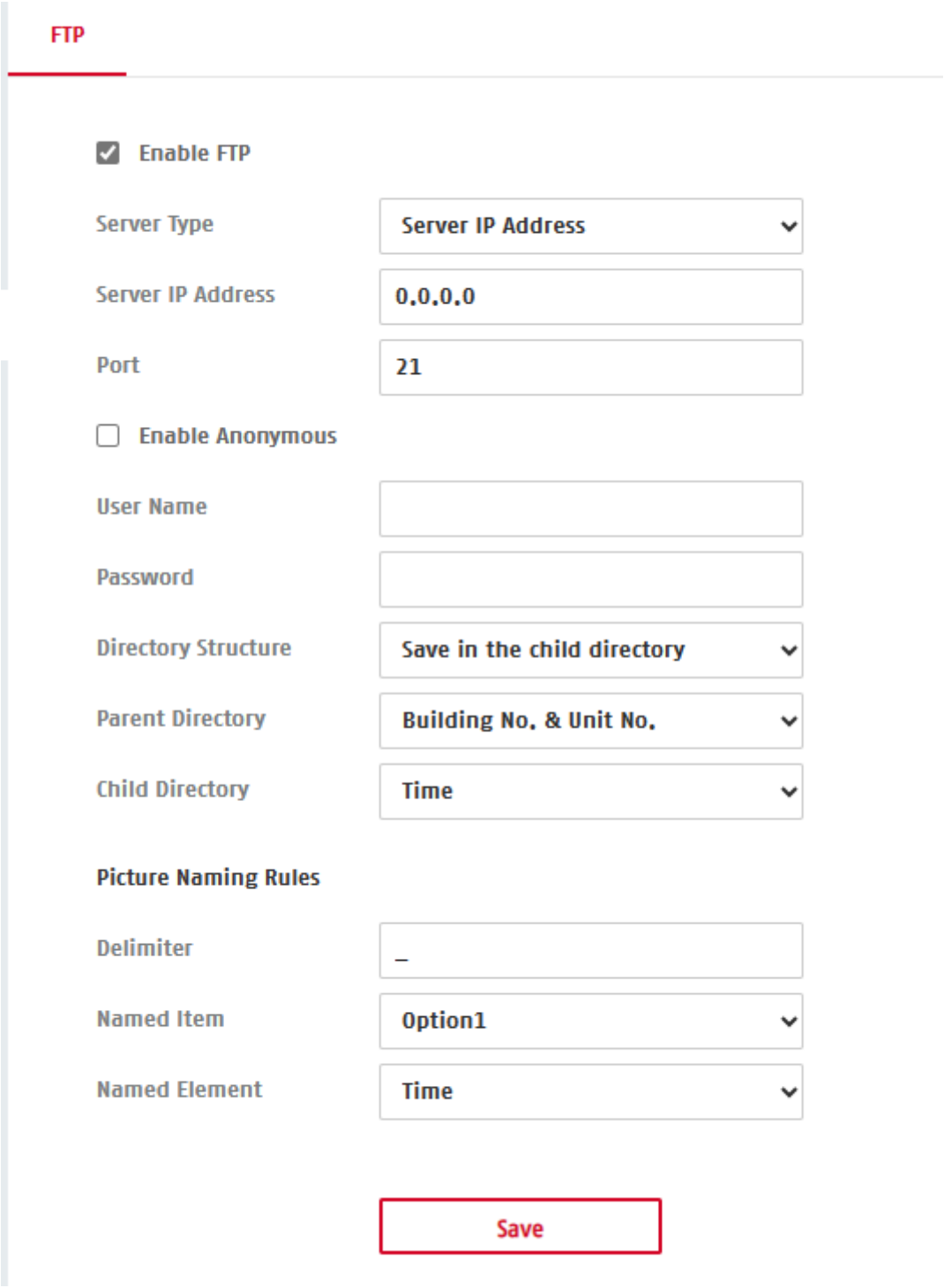


In the Key Settings input field, enter the room number **of** the Fritz!Box device (e.g. 2) previously created in the **Number Settings** menu.

Note
To open the door during a call between the door station and a SIP client, press the 1# (output relay 1) or 2# (output relay 2) button during the call.

Save the setting. The setup is now complete.

4.5.1.4 FTP


FTP
Enable FTP
Server Type
Server IP Address
Server IP Address
0.0.0.0
Port
21
Enable Anonymous
User Name
Password
Directory Structure
Save in the child directory
Parent Directory
Building No. & Unit No.
Child Directory
Time
Picture Naming Rules
Delimiter
_
Named Item
Option1
Named Element
Time
Save

When the switching outputs at the door station (door opener 1 or 2) are triggered, a camera snapshot is transferred to the FTP server.

Setup steps:

1. Click on **Network** / **Advanced** / **FTP**

2. To activate the function, click on **Activate FTP.**

3. Enter the IP address and connection port of the FTP server.

4. Enter the user data and password for the FTP server login. Alternatively, select "**Activate anonymous" if** the FTP server supports anonymous logins.

5. Set the directory structure for storing the captured images: **Save to Sub-Directory:** Creates a sub-folder in the root directory (parent directory) based on the settings in the **Sub-Directory** drop-down field and saves the images there.

Save to root directory: creates the images in the root directory, based on the settings in the **Parent directory** drop-down box.

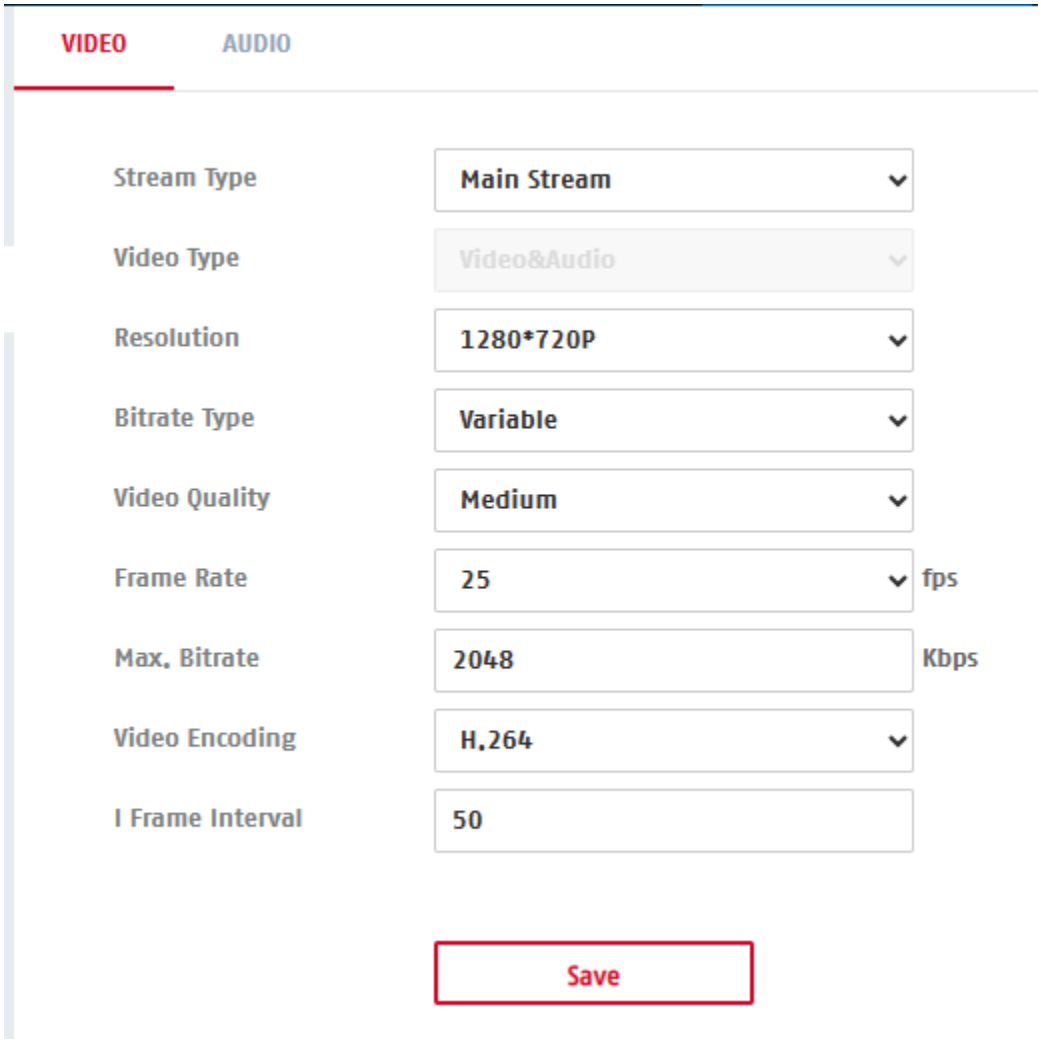
Save in root directory: creates the images in the user directory

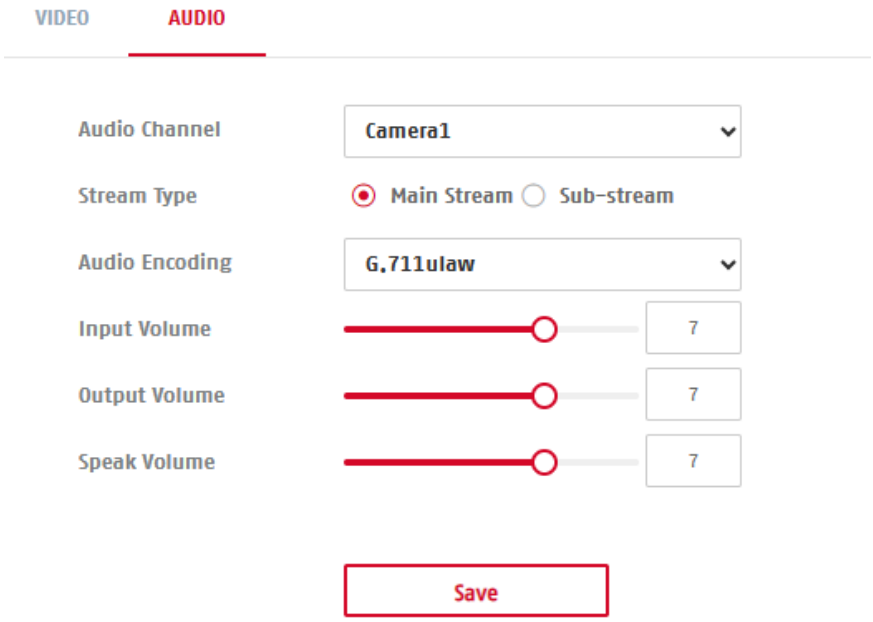
6. Set the file naming structure in the **Image Naming Rules** section **Separator: Separator** between the individual content elements in the file name **Named element:** Option1-6. Up to 6 options can be selected to be written in the file name. To do this, select the relevant element in the 2nd drop-down list.

7. Save the settings

Hint:
The door station only supports the normal FTP protocol. SFTP is not supported.

4.6 Video/Audio



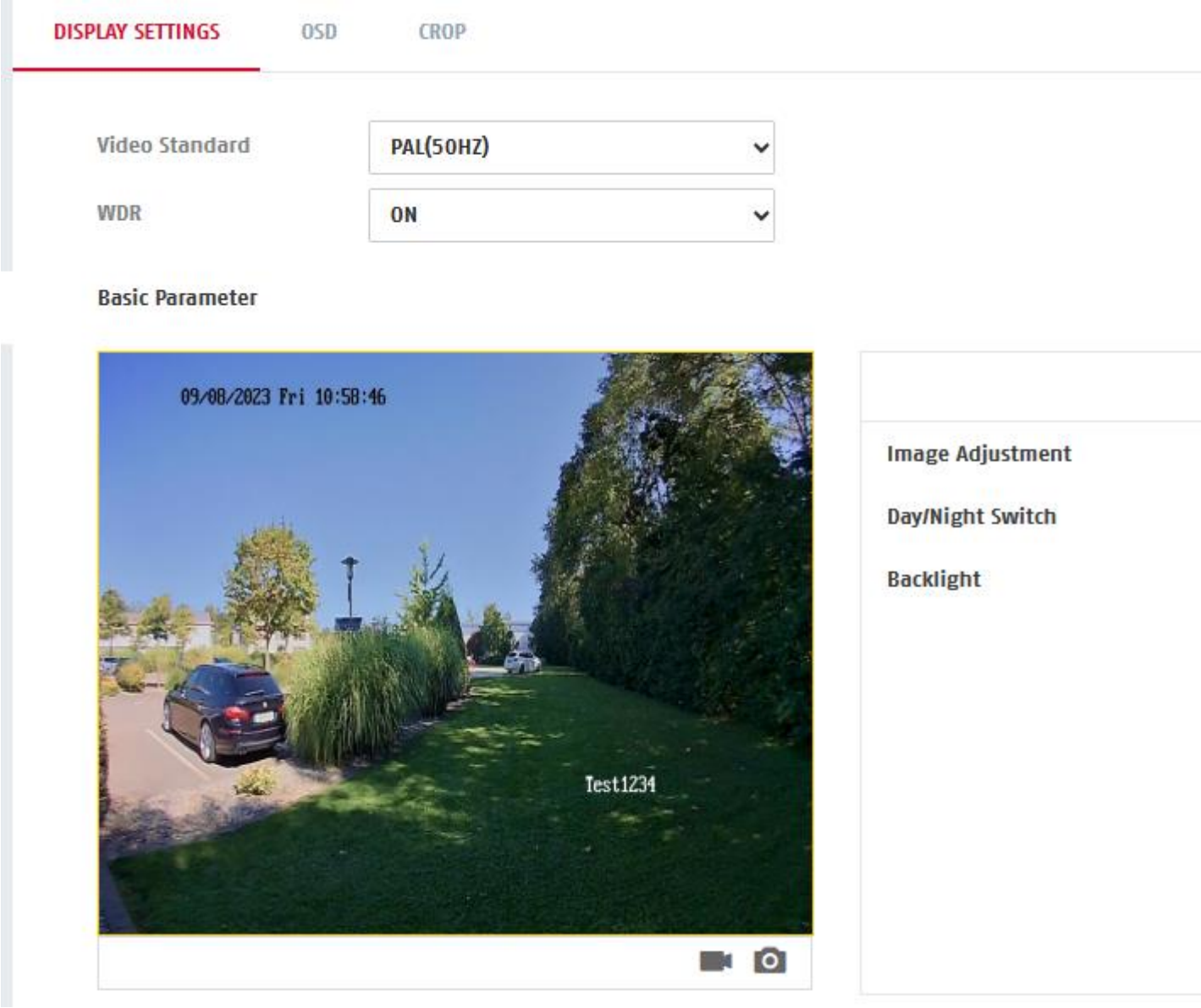


In the "Video" and "Audio" menu the respective picture and audio parameters are set. In factory settings, these parameters are in the optimised value for use with the Moduvis door intercom. Changes can result in malfunctions or poor picture and sound transmission.

Enter volume
Sensitivity setting of the microphone (10 highest)
Output volume
Acoustic feedback when ringing (10 highest)
Speech volume
Set the speech volume at the door station (10 at the highest)

4.7 Image

4.7.1 Display settings



Video standard
Lamps in the detection range of the camera that are operated via AC voltage pulsate in the frequency range according to the mains provider (in Germany 50Hz). To suppress flickering in the image, the setting must be selected according to the mains frequency.

WDR
Wide Dynamic Range - If this setting is activated, areas of the picture with different lighting (e.g. backlighting) are averaged out, which noticeably improves the picture quality.

Image setting
Adjust the picture brightness, contrast, saturation and sharpness manually.

Day/night switching
Set the behaviour of the day/night switching of the door station.

Note
If the door station is in night mode, the video image changes to black/white and the IR spotlights on the camera are activated. In addition, the backlighting of all keypads at the door station is activated.

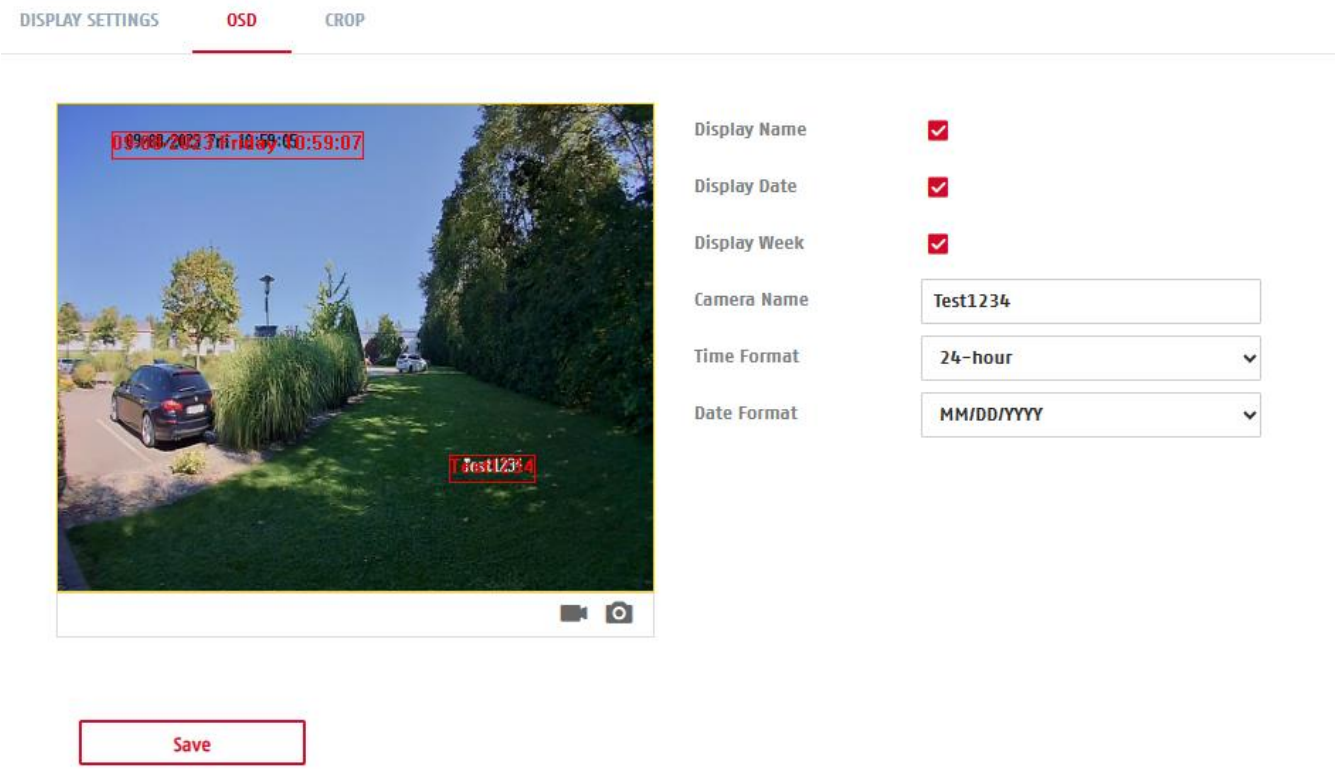
Auto: via the integrated light sensor, day/night mode is activated based on the sensitivity setting

Day: Day mode is always active

Night: Night mode is always active

Scheduled switching: Based on the entered start and end time, the day/night switching is activated daily.
Backlight
BackLightCompensation - Strongly overlit image areas (e.g.: street lamps) are automatically darkened and thus increase the image quality. After activating the BLC function, define the image area via the drop-down field.

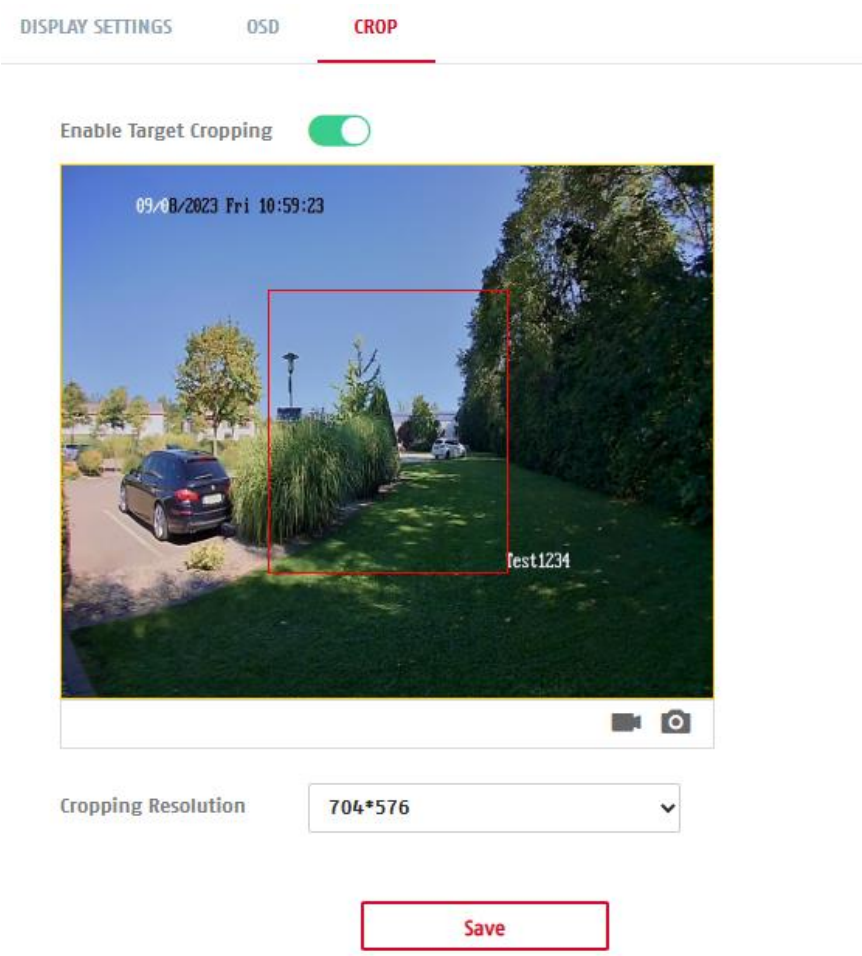
4.7.2 OSD



OSD
Define which camera information is to be displayed in the live image of the camera stream. In the preview window of the live image display, the display position can be changed with the mouse via drag&drop on the text frame.

Display name
When this function is activated, the camera name is displayed in the picture.
Show date
When this function is activated, the current date is displayed in the picture.
Show week
If this function is activated, the date field is extended by the current day of the week.
Camera name
Set the camera name for the display.
Time format
Set the time format (12/24h) for the display.
Date format
Set the date format for the display.

4.7.3 Crop



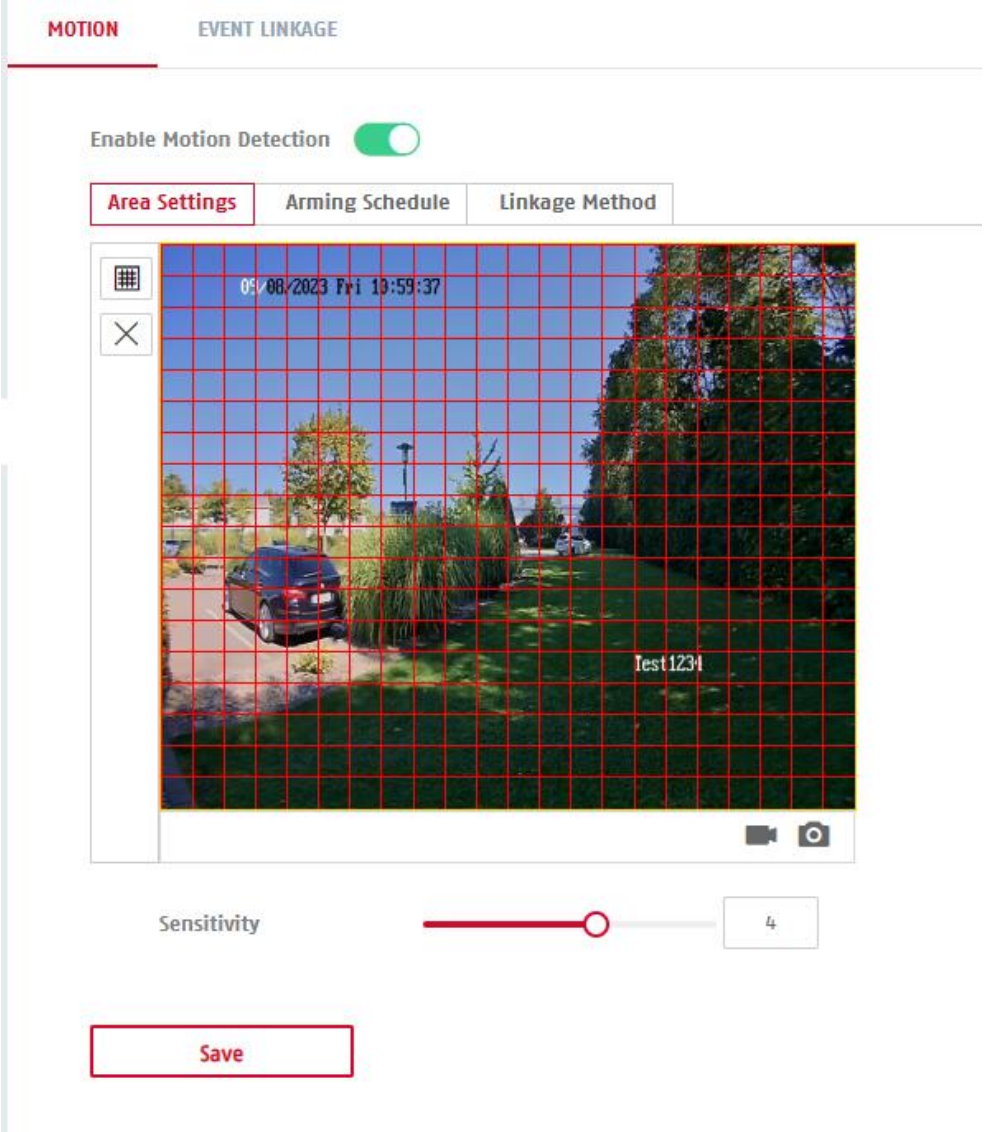
The cropping function allows you (depending on the preset stream resolution) to reduce the camera's field of view in order not to capture unwanted image areas (e.g.: public paths or private property).

Activate Cropping Target:
When the function is activated, you can adjust the coverage area of the camera in the live image of the preview window using the drag & drop function. To do this, select the image size at cropping resolution and adjust the position of the frame in the preview window.

When saving the setting, the camera coverage in the live stream of the camera is reduced accordingly.

4.8 Event

4.8.1 Motion detection



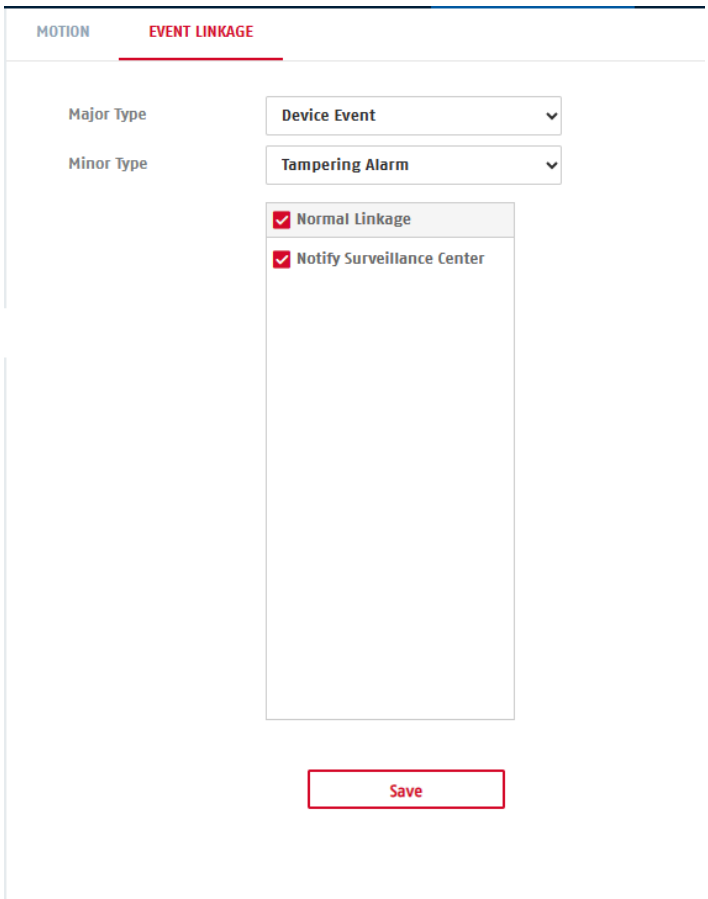
Activate motion detection
Activates the camera's internal motion detection. The following actions can be realised with it:

- Report motion to ABUS CMS
- Report motion to ABUS NVR100x0 series for alarm activation and recording

Range settings
Set the detection area via the grid icon in the motion detection preview window. Delete the detection area via the X icon. The triggering behaviour is set via the sensitivity setting (1= low / 10= high).

Arming Diagram
Use the mouse to mark the weekly time range for activating motion detection. Outside the marked time ranges, no triggering takes place despite activated motion detection.
Linkage method
Set the destination for the alarm. The setting Notify emergency call centre is required for connection to ABUS CMS and/or NVR.

4.8.2 Event Linkage

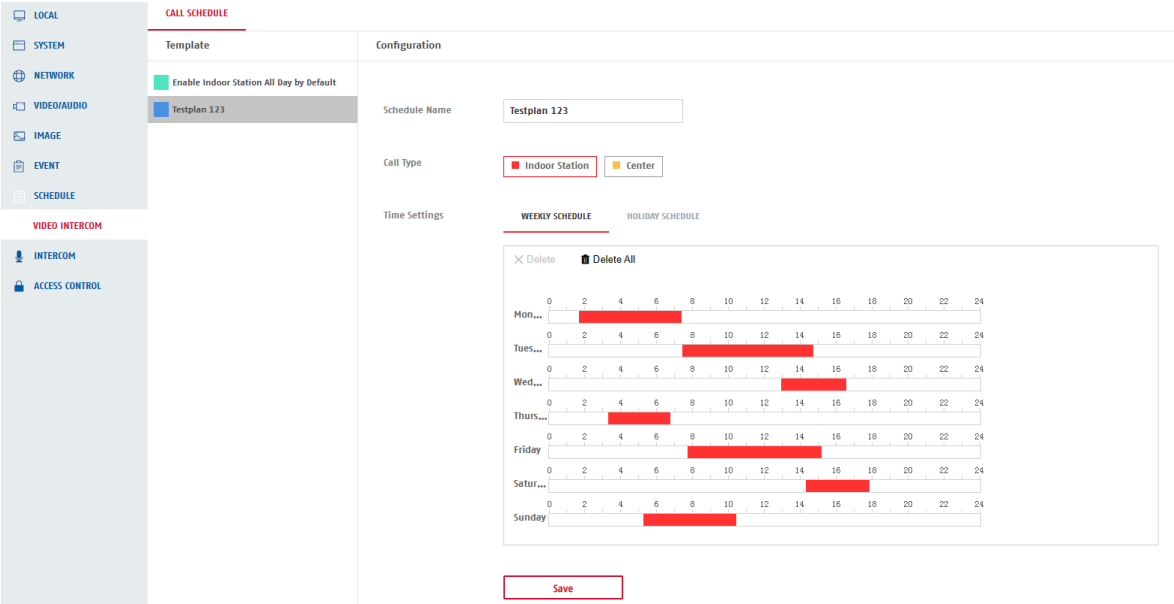


Event linkage
Additional status events can be configured for notification of the emergency call centre (ABUS CMS / NVR).
Main type: Device event
Help type: Sabotage alarm
When the sabotage contact at the door station is triggered (e.g.: by prising open or housing manipulation), a message is sent.

Main type: Door event
Help type: Open door Timeout
This function is not available with MODUVIS and is not required.

4.9 Event

4.9.1 Schedule Call Planning



In the delivery state, the schedule "**Activate indoor station all day by default"** for indoor stations is already occupied with a 24/7 setting. This schedule cannot be changed.

In the example, a test plan "Test plan 123" was created and own times were marked in red. Within this time, calls are received by the corresponding video module.

"Do not disturb" schedules can also be defined in the respective monitor, but are not synchronised with these schedules. Attention: Overlaps may occur.

The schedule in the MODUVIS main monitor under "Do not disturb" prevents a call from any station.

The schedule here is only valid for the respective configured door module.

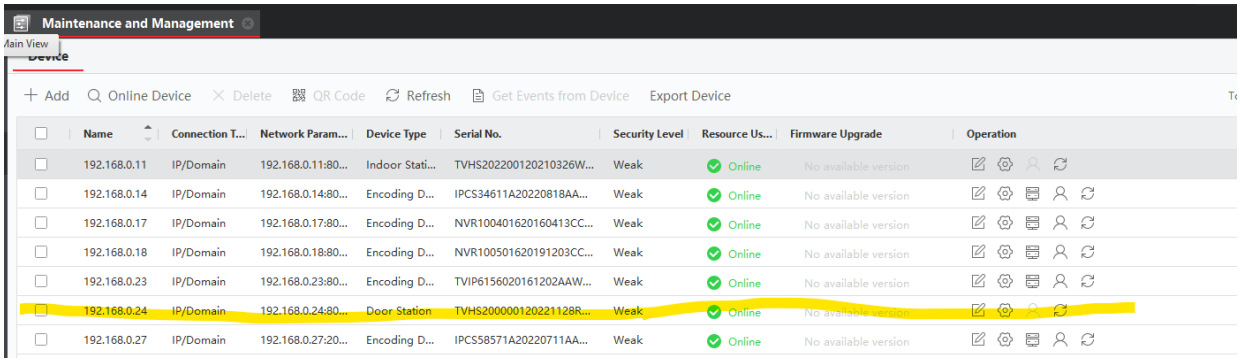
Set type:

"Indoor station": Is valid for MODUVIS monitors in the system.
"Central": Is valid for a call to the software "ABUS CMS Software".

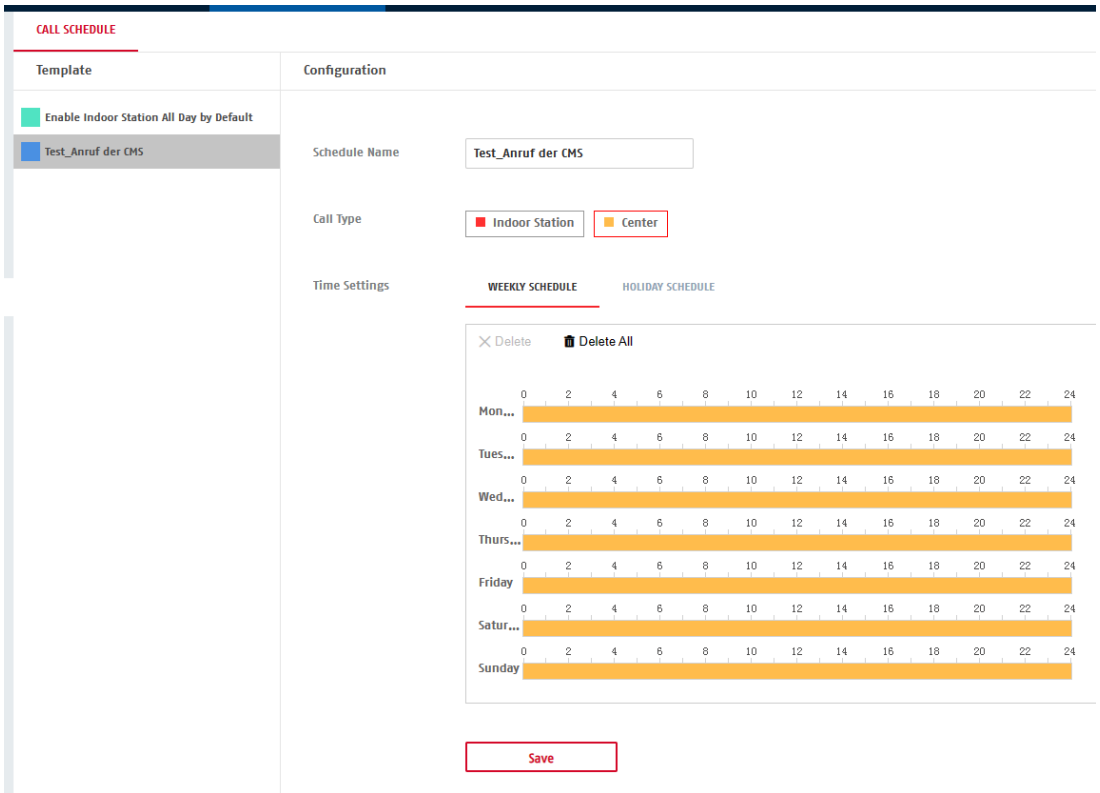
How to call the CMS software is explained in the menu item "Calling the ABUS CMS software".

4.9.2 Calling the "ABUS CMS Software

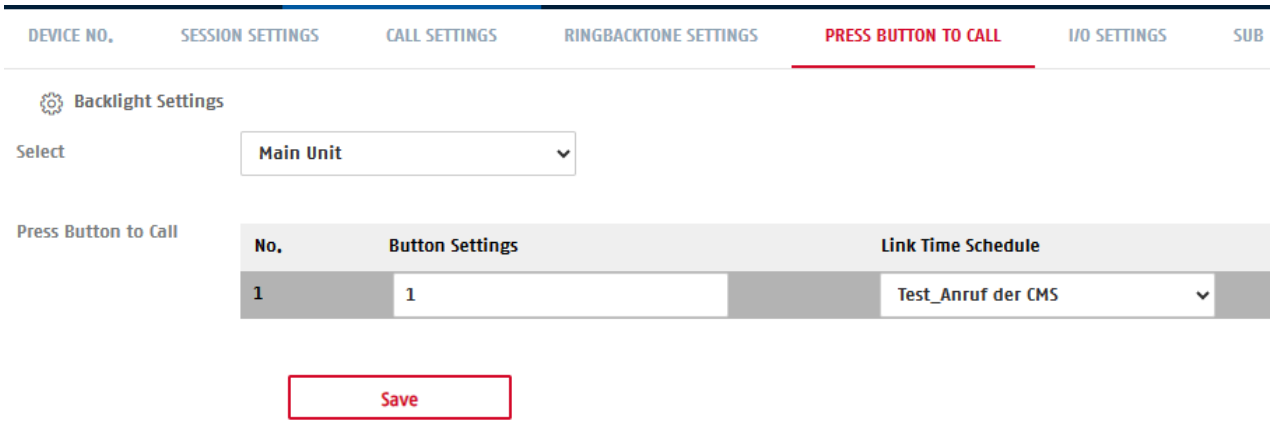
When the bell button is pressed, the ABUS CMS software can also be called.
To do this, please install the ABUS CMS software on a Windows PC system beforehand and add the TVHS20001/S door module in the device management. (User name "admin", password: "the activation password", port: "8000".



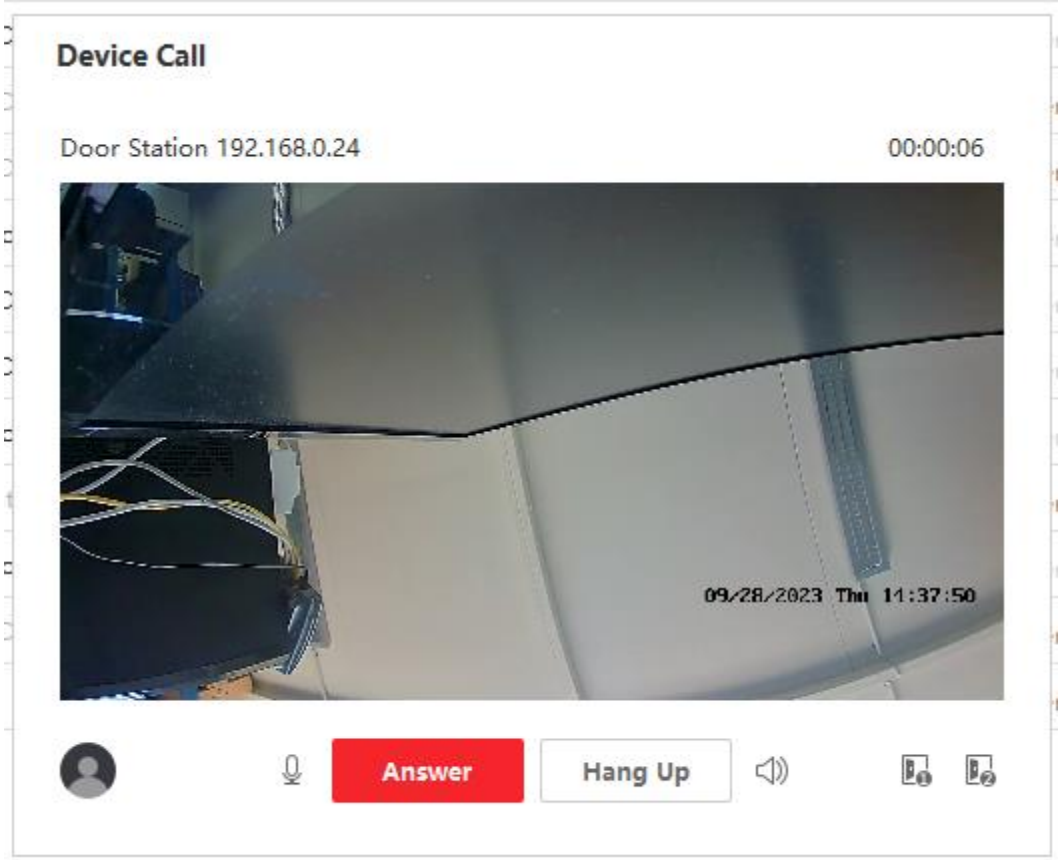
Then switch to the menu item of the schedule configuration of the TVHS20001 and select a new schedule and then select "Central" under "Call type". This determines that the ABUS CMS software (alias "Central") is called by means of this schedule (please define times!).



In the next steps, please switch to the "Press key to call" menu and select the schedule you have just created.



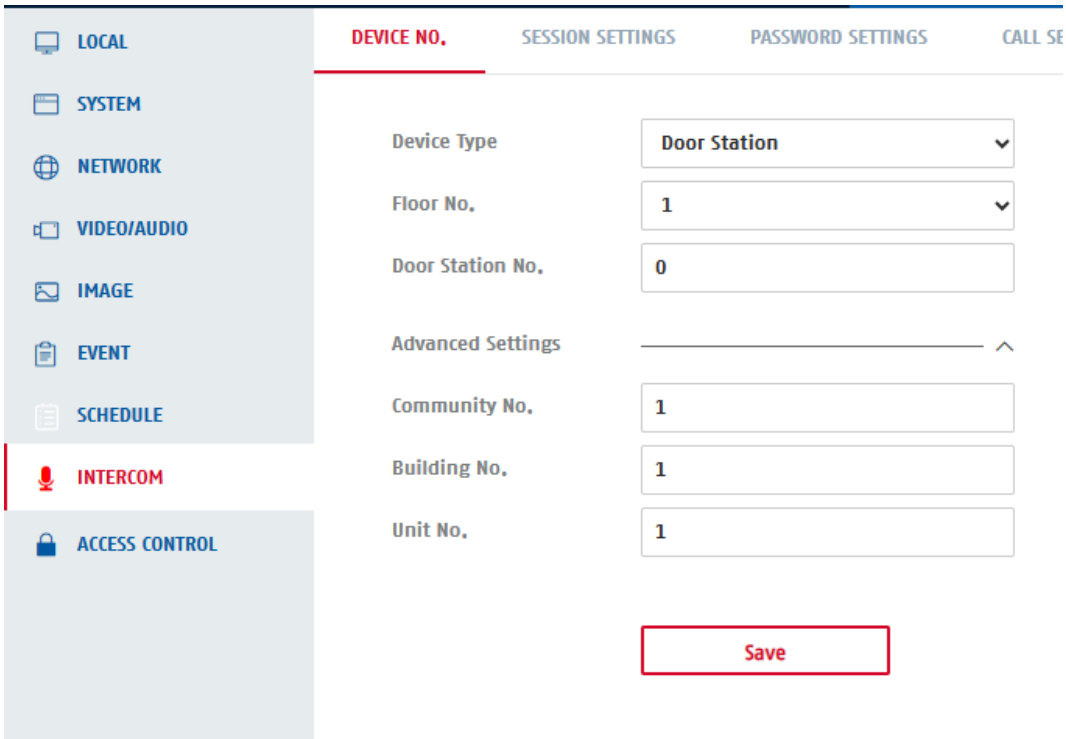
Pressing the bell button on the video module now calls the ABUS CMS software. A pop-up window opens on the PC with a live image, door opener function for relays 1 and 2 and the option to accept the call.



ATTENTION: A loudspeaker and microphone must be connected to the PC in order to use the intercom function. If no microphone is connected, an error message will appear when answering the call.

4.10 Intercom system

4.10.1 Unit number Device No.



Door station
Standard operating mode of the door station. In this configuration, the door station can be used as a main or secondary door station.
Door phone
This operating mode is not used together with the MODUVIS. **External door station**
This operating mode is not used together with the MODUVIS.

Door station no.: Set the number of the door station here.

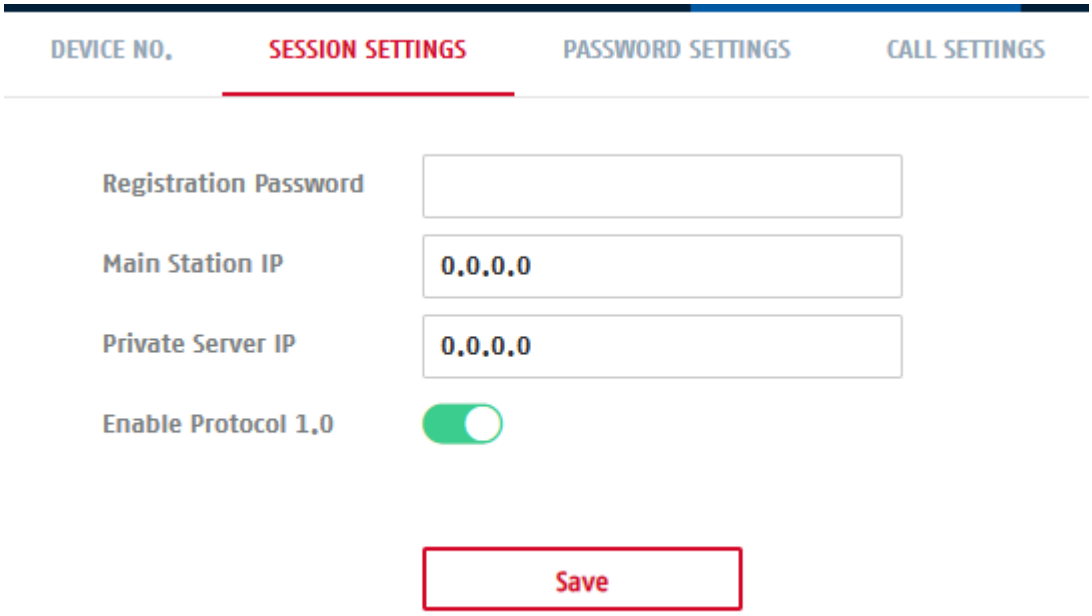
Note
0: If the door station is assigned this ID, the station is defined as the **main door station.**
1-8: If the door station is assigned this ID, the station is defined as a **slave door station.**
All door stations must have a unique ID. Multiple ID's are not allowed.

Click on **Advanced Settings**
Period No.: Enter a "community" number for the residential subdivision.
Building no.: Enter a building number for the subdivision into several residential buildings

Unit No.: Enter a unit number for subdivision into different sections within a building

Attention:
Changing the **advanced settings** within a building is **not** required. Indoor stations and slave door stations must have an identical address range to be able to make calls!

4.10.2 Session settings



Registration password:
Enter the password for authentication of the door station in the system network here. The password must be between 8-16 characters long and should be as secure as possible.

Attention:

ALL devices in the system network must have the identical registration password in order to establish a mutual connection.

Main door station IP:

This input window only appears if the video module has been set to "Sub door operation".
➔ See 4.10.3 "Sub door set-up".
In our example here, the main door station (main entrance) has the IP address 192.168.0.66. Each of the configured slave door modules must reference this main door module IP address.

Main station IP:

This IP address must remain at 0.0.0.0 in conjunction with the MODUVIS series.

IP of the private broadcaster:

This IP address must remain at 0.0.0.0 in conjunction with the MODUVIS series.

Activate protocol 1.0:

Activated by default for compatibility with current MODUVIS components.

4.10.3 Installation of sub door

If you want to integrate another door video module into the system in order to realise a secondary entrance (e.g. goods receiving, cellar door, etc.), please go through the following steps:

1) Connect the door video module of the side entrance to the network of the main door intercom. All devices of the door intercom must be on the physical LAN.

2) Open the ABUS CMS software and activate the door module of the side entrance. The device can also be activated only via the web interface.

3) Add the door intercom module of the side entrance to the ABUS CMS software and open the remote configuration. The device can also be configured via the web interface only.

4) Under "**Intercom**" you now change to the menu "**Device no**.". Under "**Door station no**." enter the number of the side entrance. The main door video module **must** have the number "0". The additional side entrances are numbered consecutively from 1-16. Period, building and unit numbers do not have to be changed.

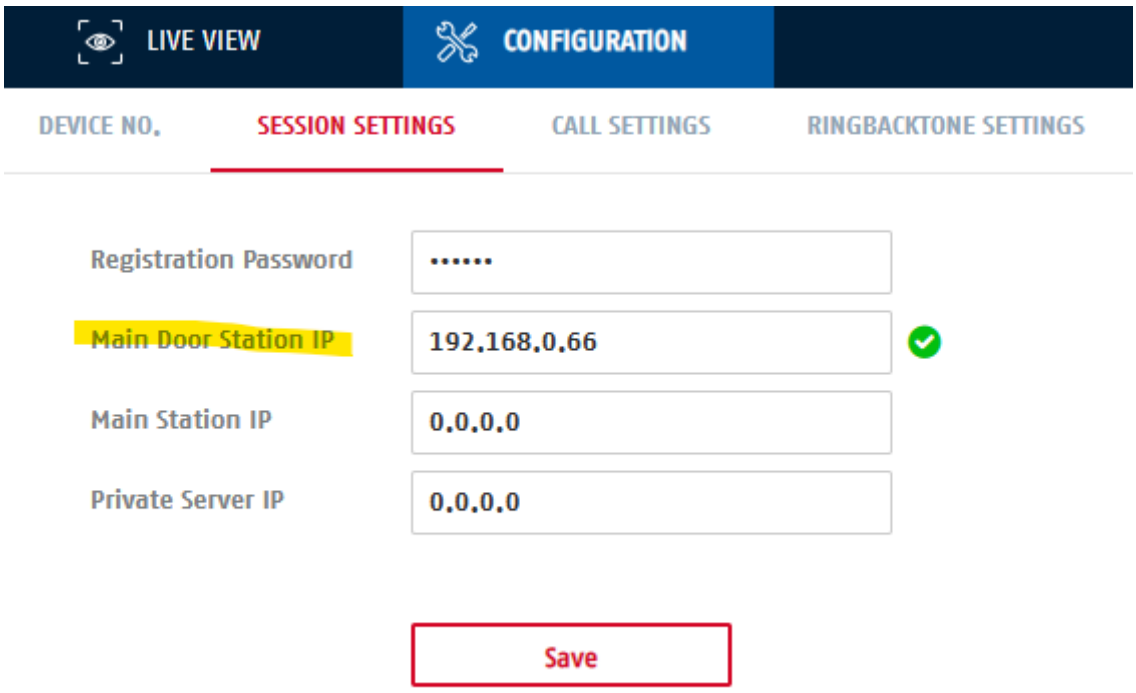
After **saving,** the system restarts. To do this, please confirm with "OK".

5) After a successful restart, you still have to assign the main door to the side entrance. To do this, enter the IP address of the **main door station in** the field "Main door station IP" under "*Intercom system / Session settings*" and save it.

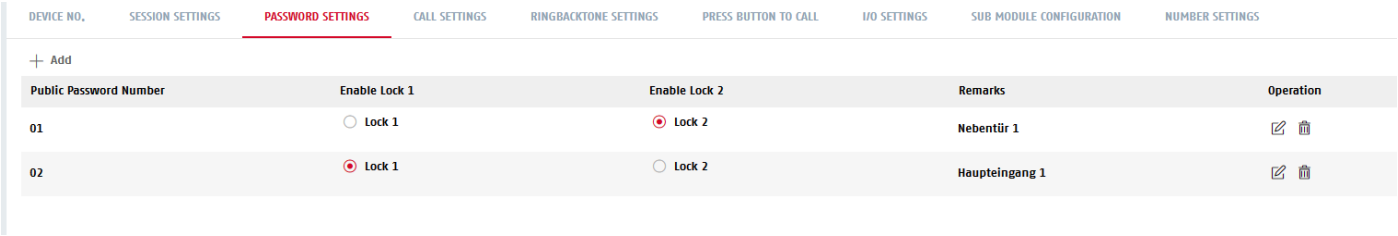
Attention: The input field *"Main door station IP"* only appears if you have carried out step 4) correctly.

In this example, the main door station in the Moduvis system has the IP address 192.168.0.66. This must be used for each secondary entrance door.

A side entrance can also call a specific apartment number. To do this, enter the desired apartment number under "Press key to call" and save it. The factory setting here is "1" under key settings. This means that the bell button of the module calls flat 1.



4.10.4 Password Settings for Code Keypad TVHS20030/S



Up to 16 PIN codes can be stored in the door station.

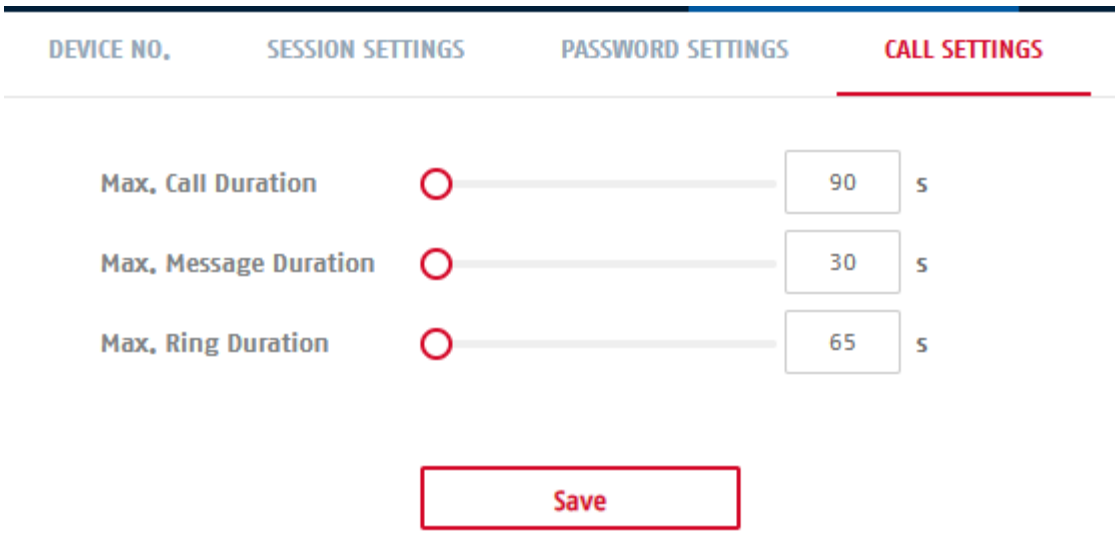
The PIN code must consist of 4 - 6 digits. Since these PIN codes are not directly assigned to any person, they are called public passwords.
Do not forget to change the public password if people with knowledge of a PIN should no longer have access.

The following format for opening the door (relay output 1 or 2) must be observed on the extension module's numeric field:

[#] Public password [#] Example: #123456#

1.click on **+Add** to create a new password.
2. enter the **password** (PIN)
3. select the unlocking authorisation for **lock1/2** (door opening contact relay 1 or 2).
Optionally, enter a password **hint in** case you forget it.
Click **OK to** save the settings.

4.10.5 Time parameter calls

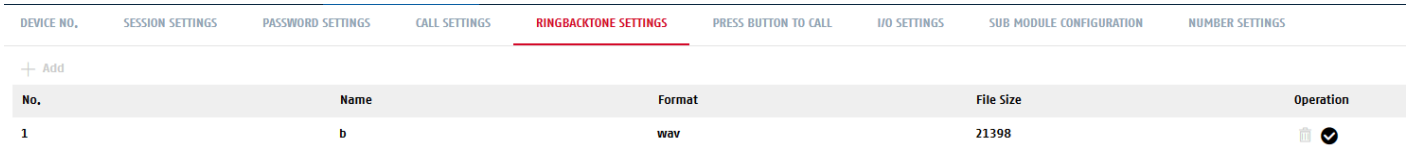


Call duration
Maximum talk time between 90-120 seconds of the door station and an indoor station. The conversation ends automatically after the maximum conversation time has been reached.

Message duration
Maximum message duration between 30-60 seconds for recording voice messages. Recording of voice messages can be activated via the connected indoor stations (are stored in the indoor station). Recording ends automatically after the maximum message duration is reached.

Ring duration
Maximum ring duration at indoor stations between 65-255 seconds. After reaching the maximum duration, either the ringing process is terminated or (if configured in the indoor station) a recording is requested for the voice message at the door station.

4.10.6 Ringback Tone Setting

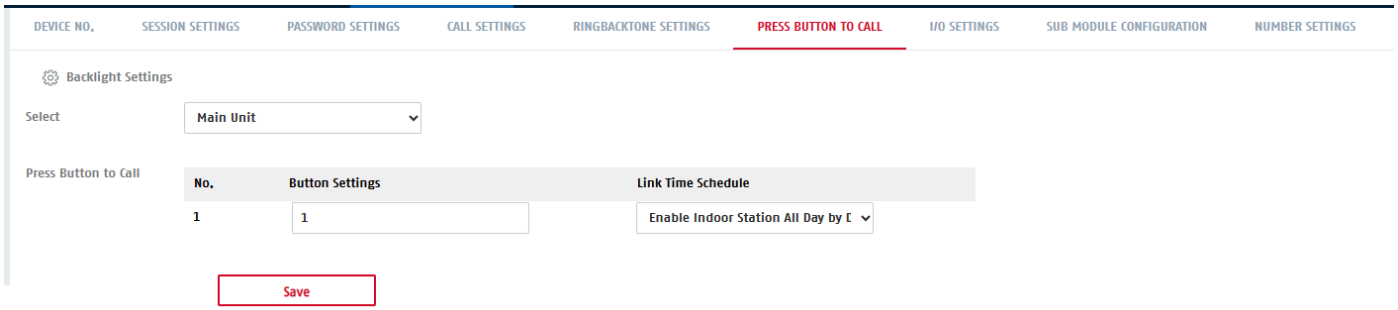


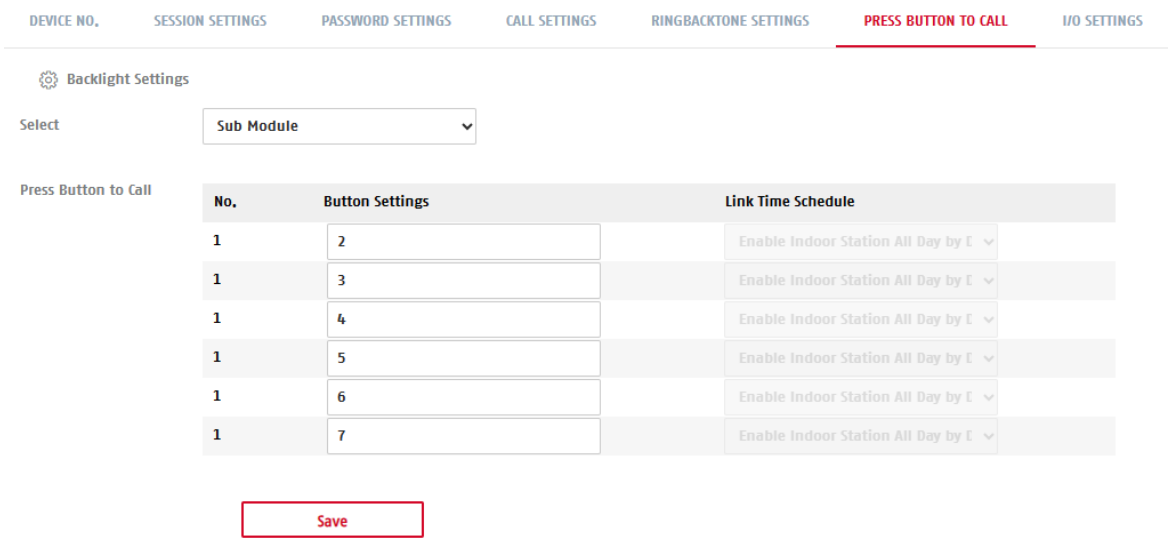
Store an individual ring tone for acoustic feedback when ringing at the door station.

Set-up steps
1. click on the **Add** button
2. give a **name to the** ringtone
Import a ringtone from your PC using the **Browse** button.
4. select the file and confirm with OK
Select the ringtone in the list entry in the column **Task** and activate it by clicking on the tick symbol to activate it.

Note
The audio file must have the following properties:
- Format: WAV/AAC
- Size: < 600Kbyte
- Sample Rate: 8000Hz
- Mono

4.10.7 Press button to call





Here you configure the destination call settings of the bell buttons (**button settings**) at the door station.
First select which module at the door station (**main unit** or **submodule**) you want to configure.

The **main unit** is either TVHS20001 or TVHS20001S, the sub-module is the available extension module TVHS20020 or TVHS20020S with 6 additional bell buttons.

The **extension module** has 6 integrated bell buttons. These are listed from top (first bell push button no.1) to bottom (last push button no.6). When using several extension modules, the buttons of the further row (flat 1 to 6, 7 to 12 etc.) must then be configured.

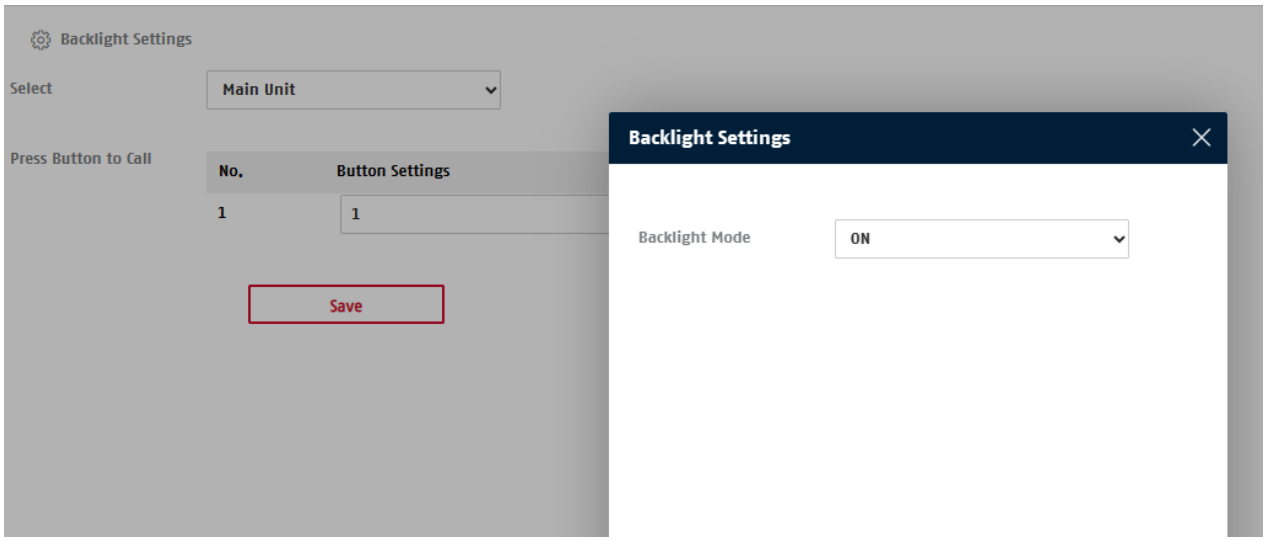
Key settings
Enter the desired room number (of the indoor station) here which is to be called when the button is pressed. Only one number can be entered. If you want to dial a SIP call number, this must first be stored as a room number under **Number settings.**

Link schedule
Select the default schedule (24/7) or the previously customised schedule.
Save the settings.

Example: If a digit 1 is assigned under "Main unit", the main monitor of flat 1 is called.

4.10.8 Backlight settings

Click on the settings icon to configure the backlight of the modules.



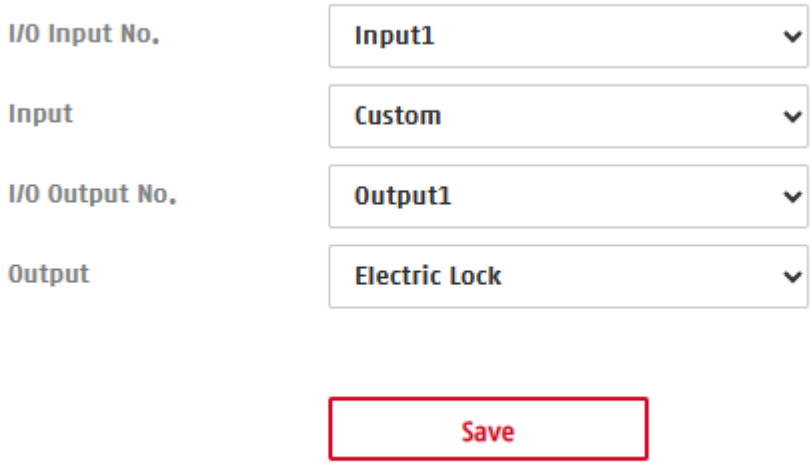
"ON"
The background LED illumination of the buttons/infomodule is permanently switched on

"Deactivate"
The backlight is permanently deactivated

"Automatic"
The background lighting is automatically activated when the camera of the door module switches to night mode and activates the IR night light

"User defined"
Here you can define when the backlighting is activated or deactivated by means of a schedule.

4.10.9 I/O Settings Relays / Inputs



Set the behaviour of the alarm inputs and outputs at the door station here. The door station has 4 inputs and 2 outputs.

I/O Input No

Select between Input1-4. Each input can be configured individually via the Input field. Each input has a predefined range of functions.

Entrance

Select the function of the respective input:

The following can be selected at the various inputs:

"Door status" : Not required with the MODUVIS (only for input 1 and 2)

"User-defined": An external bell button can be connected to the input.
Switching input 1 triggers the call at flat 1
Switching input 2 triggers the call at flat 2
Switching input 3 triggers the call at flat 3
Switching input 4 triggers the call at flat 4

"Exit **button**" The switching input is used for an "exit button". When triggered the relay 1 is switched and the door can be opened.

"Deactivate" The respective alarm input is deactivated

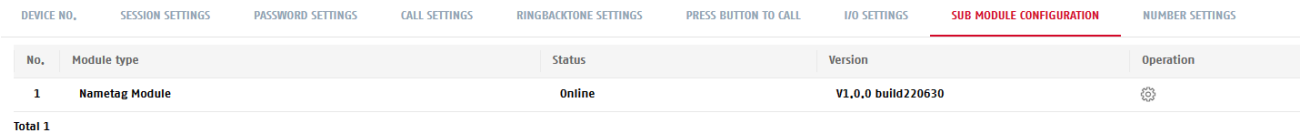
Relay outputs:

Output 1 = Relay 1
Output 2 = Relay 2

Deactivate" deactivates the relay.

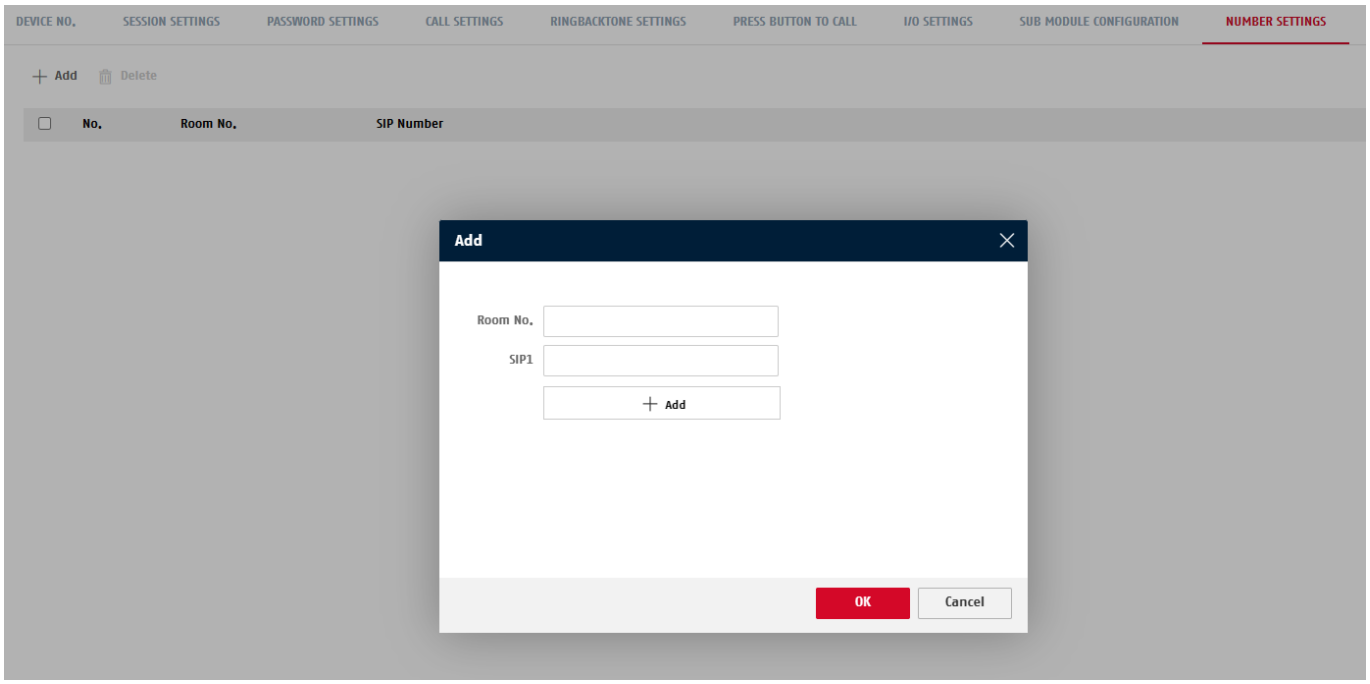
Note
In the delivery state, output 2 is deactivated (accordingly, only output 1 is displayed in the ABUS CMS / ABUS Link Station App / indoor station for opening the door). To be able to use output 2, it must be activated in the configuration.

4.10.10 Submodule configuration



Here you get an overview of all extension modules connected to the door station.
Module type: Display of the extension module
Status: Connection status
Version: Installed firmware version of the extension module
Operation: enables settings on the extension module (if available)

4.10.11 Number Settings

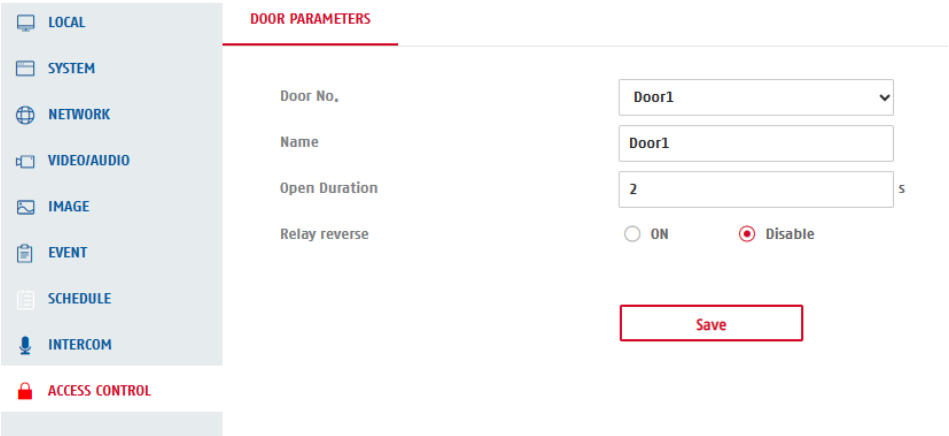


Manage SIP call numbers for assignment to an internal room number here to configure them to a keypad.
Set-up steps
1. click on Add
2. assign a room number (room no.)
3. store a SIP call number
You can store up to 4 additional SIP call numbers via the Add button.
5. click OK to save the entry

Note
If several SIP call number entries are stored behind a room number, these are called in sequence. The change between the numbers takes place after the maximum call duration has elapsed. If a subscriber answers the call, the call chain is interrupted.

4.11 Access Control Settings

4.11.1 Settings



Go to the **Access Control** -> **Door Parameters** menu item to open the Access Control settings page.
Door parameters
Here you define the behaviour of the relay outputs at the door station.

Door no.
Select between relay output 1 and 2
Name
Assign a name
Opening time
Set the opening time of the relay in seconds
Invert relay
On: the normal state of the relay is closed
Deactivate: the normal state of the relay is open
Save the setting

5. Maintenance and cleaning

5.1 Function test

Regularly check the technical safety of the product, e.g. damage to the housing.

If it can be assumed that safe operation is no longer possible, the product must be taken out of service and secured against inadvertent operation.
It can be assumed that safe operation is no longer possible when

- the unit has visible damage
- the unit no longer functions
- has been stored for a longer period of time under the most unfavourable conditions
- the unit was exposed to stress during transport

Please note:
The product is maintenance-free for you. There are no components inside the product for you to check or maintain - never open it.

5.2 Cleaning

Clean the product with a clean dry cloth. For heavier soiling, the cloth can be lightly moistened with lukewarm water.

Make sure that no liquids get into the inside of the appliance, as this will the unit will be destroyed. Do not use chemical cleaners, this could the surface of the housing is attacked.

6. Disposal

Devices labelled in this way must not be disposed of with household waste. Dispose of the product at the end of its service life in accordance with the applicable legal regulations.
Please contact your dealer or dispose of the products via the municipal collection point for electrical waste.