

SYSTEM REQUIREMENTS

- DoorBird IP Video Door Station D10x/D11x/D21x Series.
- IP-SYMCON OS (Version 6.4 or higher).

ADDITIONAL INFORMATION

The following guide will take you through setting up a DoorBird IP Video Door Station in connection with the IP-Symcon. Please ensure that the IP-Symcon OS is installed on a PC that receives an IP address and is connected to the same local network as your DoorBird IP Video Door Station.

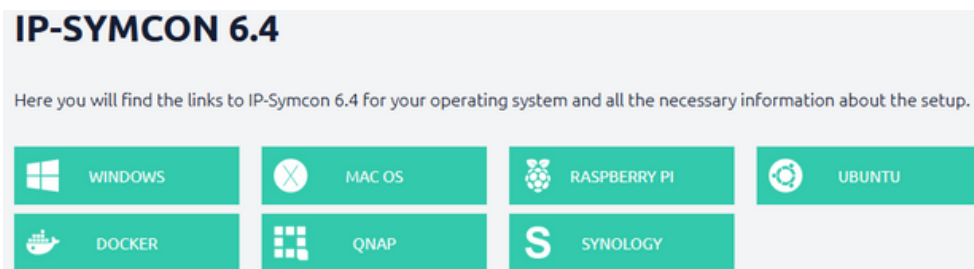
Please also ensure that your DoorBird is online using this service: <https://www.doorbird.com/checkonline>. The local IP address of your DoorBird is available from the same page.

- You can send commands to DoorBird to open the door, Turn on IR Light, and request for a snapshot.
- Retrieve status from DoorBird e.g., time last door opening.

1. SETTING UP THE IP-SYMCON OS

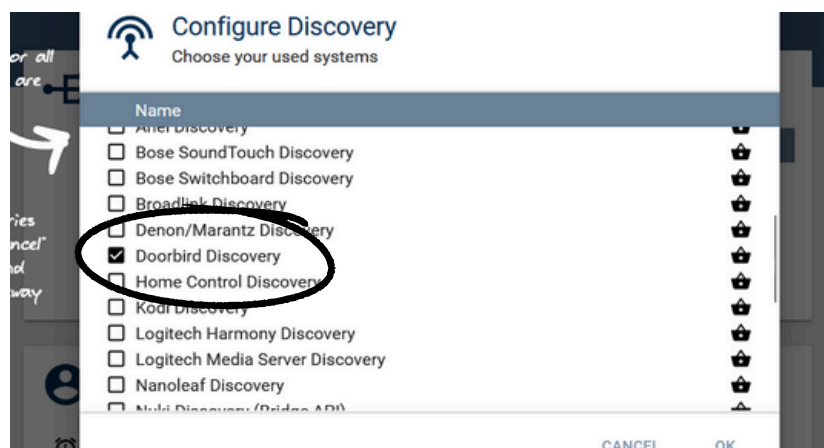
1.1 Download the IP-Symcon from the IP-Symcon website <https://www.symcon.de/en/downloads/> and install it on your PC.

1.2 You can request a free demo license for a short-term trial.
Alternatively, you can purchase a paid license for long-term.




1.3 Open the IP-Symcon on browser (<http://127.0.0.1:3777/console/>).

1.4 Select DoorBird Discovery --> Click on "OK."



1.5 Please accept the Terms and Conditions and Click on "OK."



General Terms and Conditions for the Module Store

Please read and accept the general terms and conditions

sämtliche sonstigen Handbücher, Benutzerdokumentationen und sonstige damit in Zusammenhang stehende Materialien, die zu den Modulen gehören
„**Unternehmer**“ ist jede natürliche oder juristische Person oder eine rechtsfähige Personengesellschaft, die bei Abschluss eines Rechtsgeschäfts in Ausübung ihrer selbständigen beruflichen oder gewerblichen Tätigkeit handelt
„**Verbraucher**“ ist jede natürliche Person, die ein Rechtsgeschäft zu Zwecken abschließt, die überwiegend weder ihrer gewerblichen noch ihrer selbständigen beruflichen Tätigkeit zugerechnet werden können



Hiermit bestätige ich, dass ich die allgemeinen Geschäftsbedingungen, Kundeninformationen, die Bedingungen des jeweiligen Softwarelizenzvertrages sowie die Datenschutzerklärung gelesen habe und denen zustimme.

REJECT ACCEPT

The selected system needs to be installed from the Module Store before use. Please accept the conditions to enable installation.


OK

1.6 In Discovery you can find the DoorBird device.



Create New Devices

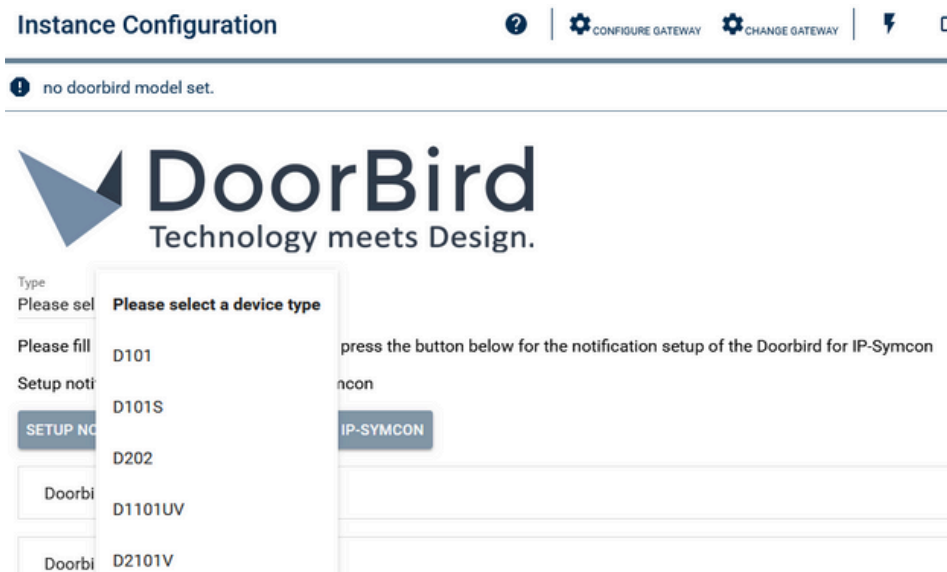
New devices were detected by a discovery or configurator instance

Discovery/Configurator	Devices
 Doorbird Discovery	53 new devices →



New devices are searched periodically

1.7 Select your device displayed by DoorBird MAC address.



1.8 Enter the IP address of DoorBird and set Port Doorbell: 80

Doorbird Settings

IP adress or hostname Doorbird

IP Doorbird
192.168.170.5

port of Doorbell

Port Doorbell
80

1.9 Enter the User (User0001/User0002/...) with Password.

Doorbird login credentials

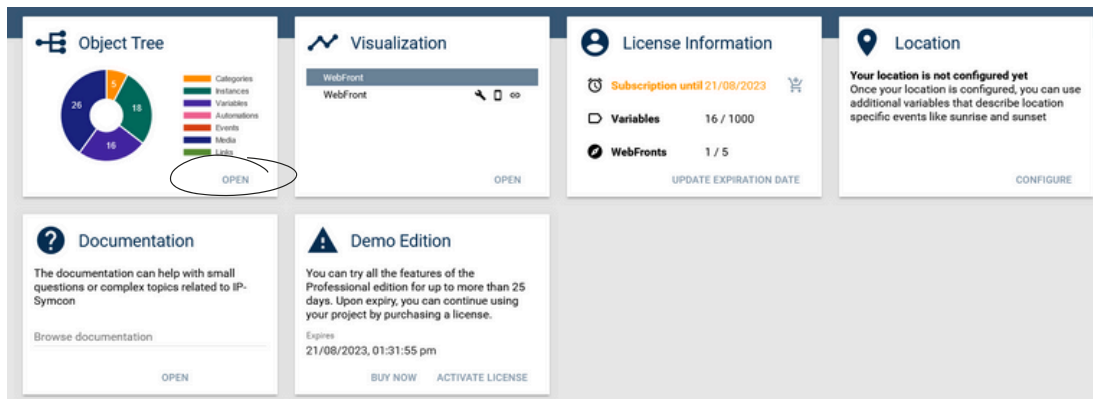
Doorbird user with authorization as API-Operator

User
abcdef0001

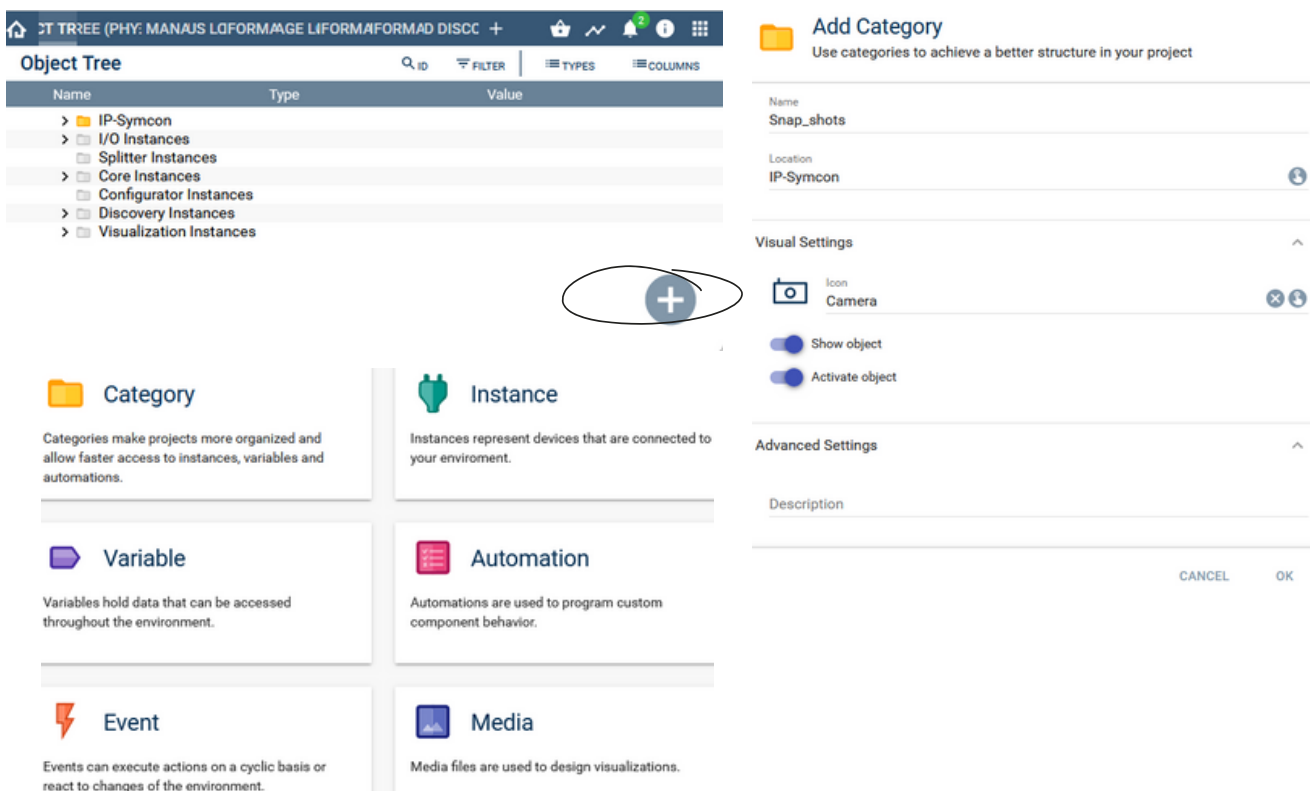
Password
●●●●●●●●


1.10 In DoorBird Picture Settings --> It saves the picture of DoorBird ring events.
Before that create an category to save it.

1.11. Go to Object Tree --> Click on "Open" --> Create a Category to save Picture Images.



1.12 Click On "+" Symbol --> Select Category --> Give a Name (Ring_Pictures /Snapshots/..), Its option is to select Icon and enter a description in the Advance Settings. Click on OK.
 Create two categories one for Pictures and another for Snapshots.



 **Object Tree**
 Select an object

ID	Name	Updated
	<ul style="list-style-type: none"> IP-Symcon <ul style="list-style-type: none"> ONVIF-Geräte Ring_pictures Snap_shots Doorstation\032-\0321CCEA37... 	
58468		
29473		
21294		
36662		

1.13 In the Object Tree list --> Click on UDP Socket.

Send Host --> DoorBird IP Address and Receive Host --> PC IP address.

Enable Broadcast Reuse Address. Click on --> Apply CHANGES.

Instance Configuration

✓ Interface is open

☒ Open Socket

Send Host
192.168.170.5

Send Port
6524

Recv Host
192.168.170.20

Recv Port
6524

☒ Enable Broadcast

☒ Enable Reuse Address

You have made unsaved changes to this instance
 APPLY CHANGES
DISCARD CHANGES

1.14 Go back to DoorBird Instance Configuration --> select the category for Ring_pictures and Snap_shots and adjust it for pictures and Snapshots.

Doorbird Picture Settings

category for doorbird ring pictures, please create first a category in the objekt tree of IP-Symcon and then select it in the field below

doorbird ring pictures category

ring pictures
Ring_pictures

picture limit for doorbird ring pictures

limit ring pictures
20

category for doorbird snapshots pictures, please create first a category in the objekt tree of IP-Symcon and then select it in the field below

doorbird snapshot pictures category

snapshot pictures
Snap_shots

picture limit for doorbird snapshots pictures

limit snapshots
20

1.15 Go to DoorBird Video Settings --> There is an option to edit the Frame width of the image or use the Default.

Doorbird Video Settings

iframe width (px)
960

iframe height (px)
540

1.16 Go to DoorBird Sideview Settings --> It's an option to edit the Frame width of the image and History or use the Default. These pictures can be seen in the WebFront (Section 1.23).

Doorbird Slideview Settings

show a slide show of the pictures of motion detection on the WebFront

☒ Enable variable for slide show motion detection

iframe width (px)

640

iframe height (px)

480

Show a slide show of visitors on the WebFront

☒ Enable variable for slide show history

iframe width (px)

640

iframe height (px)

480

1.17 Go to IP Symcon settings --> Enter the IP address of the PC.

IP Symcon Settings

IP adress IP-Symcon Server

IP address

192.168.170.20

port of IP-Symcon

Port IPS

3777

1.18 Go to notification preferences --> Enable notifications of your choice for the doorbell, motion sensor, and door open.

notification preferences

parameter relaxation: min 10s max 10000s

notification activ for:

☒ doorbell

Relaxation time for doorbell (seconds)

relaxation (s)

10

☒ motionsensor

Relaxation time for motionsensor (seconds)

relaxation (s)

10

☒ door open

Relaxation time for dooropen (seconds)

relaxation (s)

10

- 1.19 Go to email notification Settings --> It's your choice to Enable active email notification, enter your email id, Subject and email text. Create an SMTP module as an Instance in the OBJECT TREE list.

email notification settings

optionally notification via email (configured SMTP module required)

active email notification

☒ active email

SMTP module

None

notification email address

email

some@gmail.com

email subject

subject

Doorbell Klingel!

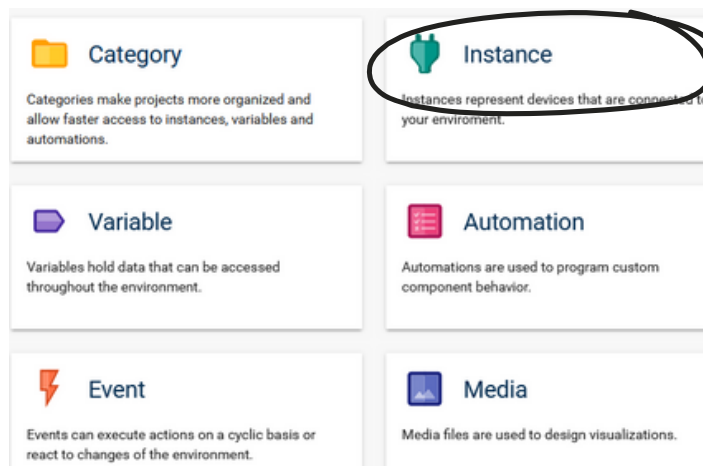
email text

email text

Da hat jemand an der Tür geklingelt, aber c

☐ active email 2

- a. Go to the OBJECT TREE list (Similar to Section 1.11). Click on "+" Symbol --> Select Instance.



Category
Categories make projects more organized and allow faster access to instances, variables and automations.

Instance
Instances represent devices that are connected to your environment.


Variable
Variables hold data that can be accessed throughout the environment.

Automation
Automations are used to program custom component behavior.

Event
Events can execute actions on a cyclic basis or react to changes of the environment.

Media
Media files are used to design visualizations.

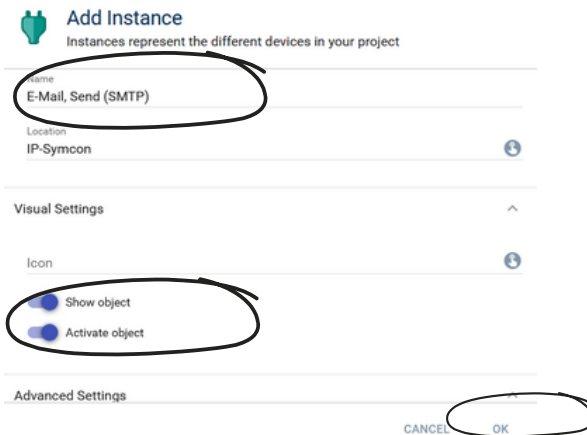
- b. Enter SMTP in Quick Filter to find the Email, Send (SMTP).

 **Add Instance**
Instances represent the different devices in your project

Type: - All types - Vendor: - No vendor - Quick Filter: smtp

Vendor	Device
(Device)	E-Mail, Send (SMTP)

c. Enter Name, an option to select Icon; enter the description in Advance Settings. Click on OK.



Add Instance
Instances represent the different devices in your project

Name
E-Mail, Send (SMTP)

Location
IP-Symcon

Visual Settings

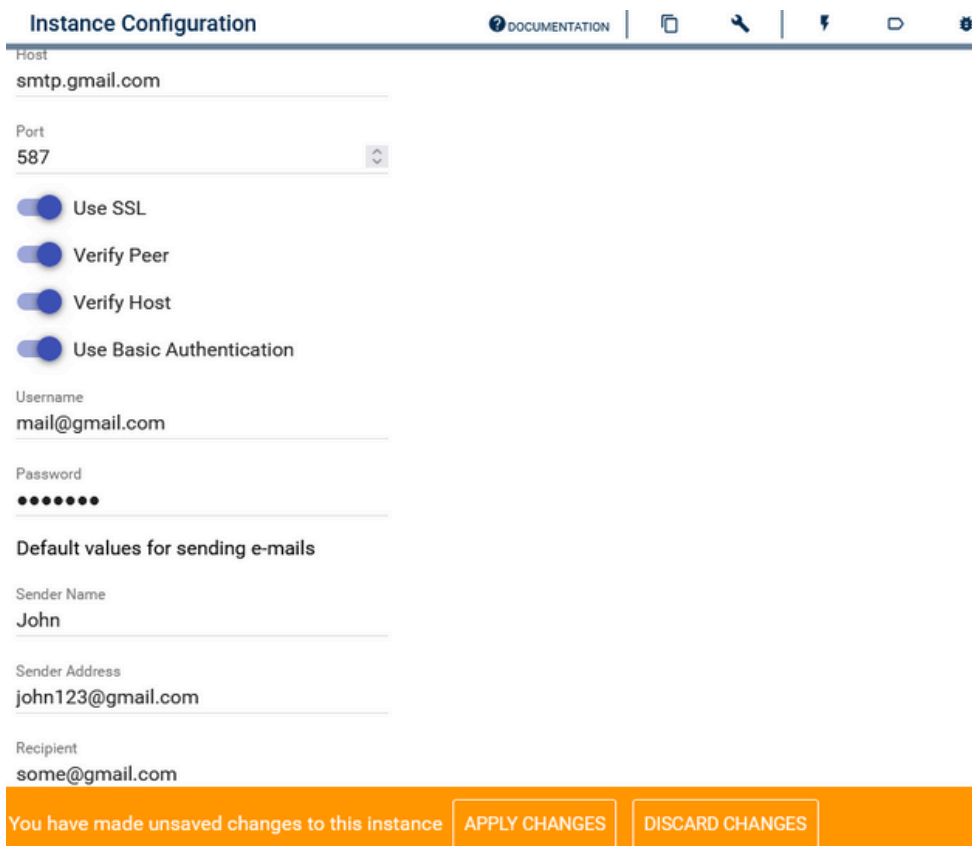
Icon

☒ Show object
☒ Activate object

Advanced Settings

CANCEL OK

d. Enter Username and Password , Sender Name, Sender Email Address, Recipient Email address.
Enable the use of SSL, verify peer, verify host, and use basic authentication. Click on APPLY CHANGES.



Instance Configuration [DOCUMENTATION](#)

Host
smtp.gmail.com

Port
587

☒ Use SSL
☒ Verify Peer
☒ Verify Host
☒ Use Basic Authentication

Username
mail@gmail.com

Password
●●●●●●

Default values for sending e-mails

Sender Name
John

Sender Address
john123@gmail.com

Recipient
some@gmail.com

You have made unsaved changes to this instance **APPLY CHANGES** **DISCARD CHANGES**

e. Select the Email module from the Object Tree for the SMTP module in the email notification settings.

Object Tree

ID	Name
58468	IP-Symcon
29473	ONVIF-Geräte
21294	Ring_pictures
42205	Snap_shots
36662	Doorbird
38510	Doorstation\032-0321CCAE37...
38510	E-Mail, Send (SMTP)
	I/O Instances
	Splitter Instances
	Core Instances
	Configurator Instances
	Discovery Instances
	Visualization Instances

email notification settings

optionally notification via email (configured SMTP module required)

active email notification

☒ active email

SMTP module

E-Mail, Send (SMTP) ✕ 👤

notification email address

email

some@gmail.com

email subject

subject

Doorbell Klingel!

email text

email text

Da hat jemand an der Tür geklingelt, aber c

☐ active email 2

1.20. Go to IP-Symcon Webhook Settings; the same username and password will be used in the HTTP link. Use Default or update the new username and password.

IP Symcon Webhook Settings

Connection from Doorbird to IP-Symcon

authentication for Doorbird webhook

username

ipsymcon

Password

●●●●●●●●

1.21. All the info about DoorBird can be seen and You can Open Door or trigger IR light from UI.

Smartlock

Doorstation A1101

Setup notifications from doorbird to IP-Symcon

SETUP NOTIFICATION

Get buildnumber, WLAN MAC and firmwareversion of Doorbird

GET INFO

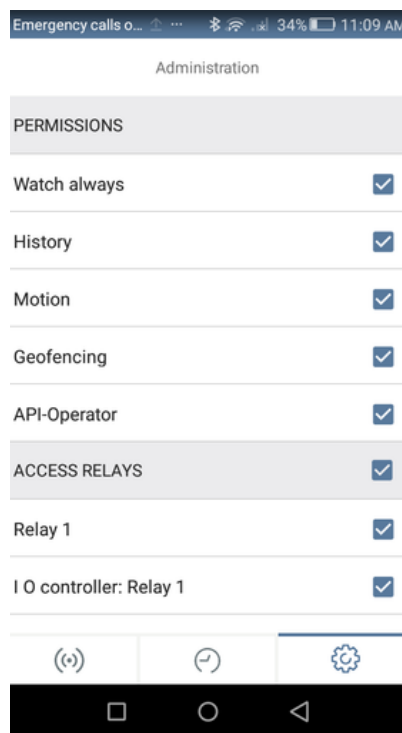
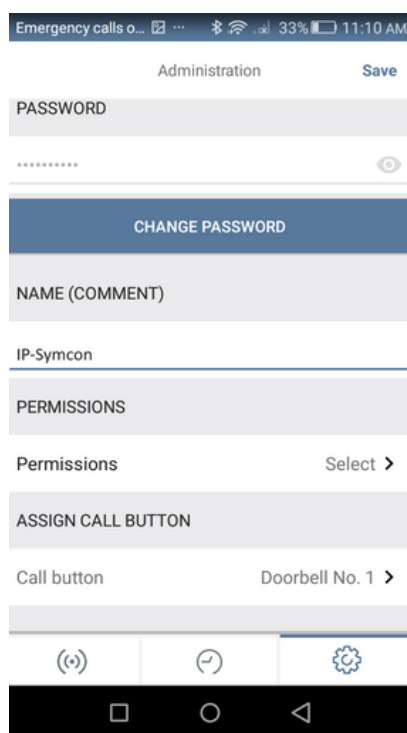
Get snapshot from the doorbird camera

GET SNAPSHOT

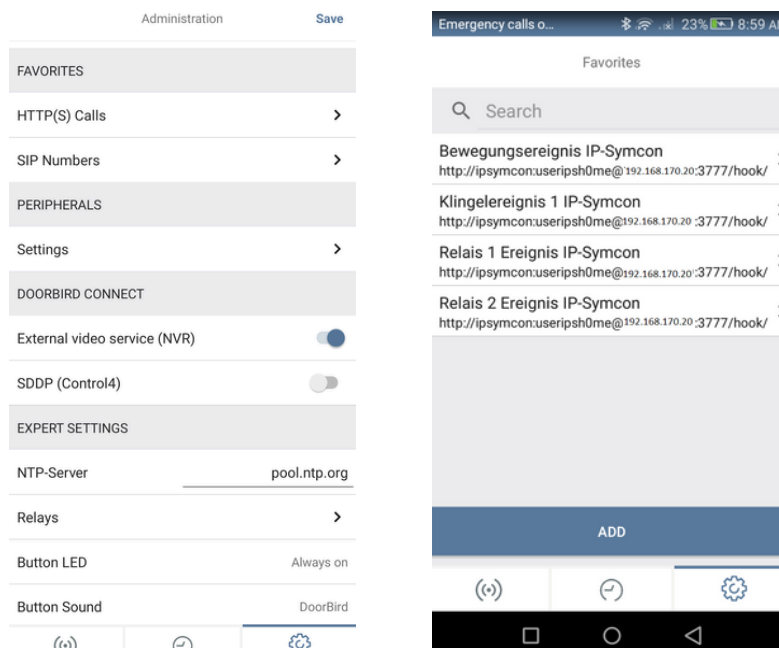
OPEN DOOR

1.22 All the details and snapshots can be seen in the Object tree here.

Object Tree					Q ID	FILTER	TYPES	COLUMNS
ID	Name	Type	Value	Updated				
58468	IP-Symcon							
29473	ONVIF-Geräte							
21294	Ring_pictures							
58920	Doorbird Snapshot 1 07.08.2023 10:48:47	Media	media/doorbirdsnapshot_1.jpg	10:48:47 am				
28465	Doorbird Snapshot 2 07.08.2023 10:47:43	Media	media/doorbirdsnapshot_2.jpg	10:48:47 am				
33629	Doorbird Snapshot 3 07.08.2023 10:47:23	Media	media/doorbirdsnapshot_3.jpg	10:48:47 am				
15883	Doorbird Snapshot 4 07.08.2023 10:47:22	Media	media/doorbirdsnapshot_4.jpg	10:48:47 am				
21131	Doorbird Snapshot 5 07.08.2023 08:51:10	Media	media/doorbirdsnapshot_5.jpg	10:48:47 am				
54042	Doorbird Snapshot 6 07.08.2023 08:43:57	Media	media/doorbirdsnapshot_6.jpg	10:48:47 am				
16055	Doorbird Snapshot 7 27.07.2023 13:43:18	Media	media/doorbirdsnapshot_7.jpg	10:48:47 am				
52618	Doorbird Snapshot 8 27.07.2023 13:43:01	Media	media/doorbirdsnapshot_8.jpg	10:48:47 am				
16189	Doorbird Snapshot 9 27.07.2023 11:19:11	Media	media/doorbirdsnapshot_9.jpg	10:48:47 am				
42205	Doorbird	Doorbird						
36662	Doorstation\032-\0321CCAE372B311	Doorbird						
59277	Doorbird Video	String	Settings --> In user management enable the permissions (In order see the video.) Save the Changes.					



2.3 In Favorites from IP-Symcon the HTTP(S) Calls are automatically created in the DoorBird App.



2.4 The automatically created HTTP Calls (S) are based on the DoorBird model.
 Schedule HTTP(S) Calls according to your requirements.

2.5 Go back to the main administration area and schedule for actions.

3. SCHEDULE CONFIGURATION

To forward the http requests from the DoorBird IP Video Door Station to the IP-Symcon, a schedule for ring events needs to be set up.

Depending on the model of the DoorBird IP Video Door Station, choose one of the following options:

A) For all devices with a single call button (e.g. D1101V, D2101V, D2101KV, etc.), find the corresponding settings in the DoorBird App administration menu EXPERT SETTINGS when selecting "Schedule for doorbell".

In this screen, tap the bell symbol in the upper-left corner, select "HTTP(S) call" and fill out the schedule as per your requirements for this event.

B) For all devices with multiple call buttons (e.g. D2102V, D2103V, D2112V, etc.), find the corresponding settings in the DoorBird App administration menu BUTTON CONFIGURATION when selecting "Settings".

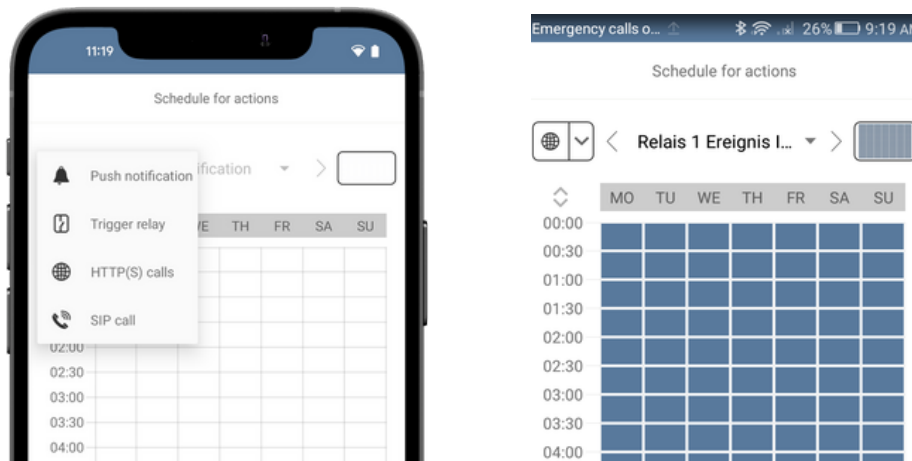
Select the call button the event needs to get assigned to and go to "Schedule for actions".

In this screen, tap the bell symbol in the upper-left corner, select "HTTP(S) call" and fill out the schedule per your requirements for this event.

C) For all devices with a digital display(e.g. D21DKV), find the corresponding settings in the DoorBird App administration menu KEYPAD when selecting "Settings".

Select the keypad combination the event needs to get assigned and go to "Schedule for actions".

In this screen, tap the bell symbol in the upper-left corner, select "HTTP(S) call" and fill out the schedule per your requirements for this event.



Hint: Tapping the button in the upper right corner makes it possible to fill out or empty the entire schedule.

Return to the main administration area and save the settings.

FIRMWARE INFORMATION

This manual was tested using the following versions:

1. IP-SYMCON

OS Version: 6.4

2. Door Bird IP Video Door Station:

Hardware device series: D21DKH-V2A

Software Version: 000140

Hardware device series: D1102FV

Software Version: 000140

Hardware device series: D101S

Software Version: 000140