

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: <u>https://www.doorbird.com/checkonline</u>. 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.
- Retreive status from DoorBird e.g., time last door opening.

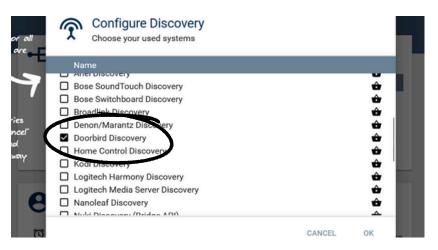
1. SETTING UP THE IP-SYMCON OS

- 1.1 Download the IP-Symcon from the IP-Symcon website <u>https://www.symcon.de/en/downloads/</u> 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.

IP-SYMCON 6.4						
Here you will find the links to	IP-Symcon 6.4 for your operatir	ng system and all the necessary	information about the setup.			
WINDOWS	X MAC OS	8 RASPBERRY PI				
DOCKER	QNAP	S SYNOLOGY				

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	\rightarrow

New devices are searched periodically



1.7 Select your device displayed by DoorBird MAC address.

Instanc	e Configuration		0			
no door	bird model set.					
		-Di-	4			
	Doo					
	Technology	meets Des	lign.			
Type Please sel	Please select a device type					
Please fill	D101	press the button b	elow for th	ne notification setup	of the Doorbird for IP-Symcon	
Setup noti		ncon				
SETUP NO	D101S	IP-SYMCON				
	D202					
Doorbi	D1101UV					
Doorbi	D2101V					

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	Ŷ

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.

Cobject Tree	Visualization Webfront C C	 License Information Subscription until 21/08/2023 (2) Variables 16/1000 WebFronts 1/5 UPDATE EXPIRATION DATE 	Location Location Section Anapyoin in not configured, yea difficiently variables that describe location specific events like summer and sumset CONFIGURE
Documentation And the provided of the	bene between the set of the set o		

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.

TT TREE (PHY: MANAUS LOFORMA	AGE LIFORMAFOR	MAD DISCC +	🖕 🗠	📌 🕕 💷		Add Category		
Object Tree		Q _{ID} T FILTER	ITYPES	≡columns	_	Use categories to achier	ve a better structure in your project	
	ype	Value			Name			
IP-Symcon I/O Instances Splitter Instances Core Instances Configurator Instances					Locatio	_shots mcon		0
Discovery Instances Discovery Instances Discovery Instances					Manal	Settings		^
						loop		~
				(+)) 🖸	Camera		88
					-	Show object		
Category		🔰 Instar	nce			Activate object		
Categories make projects more organiz allow faster access to instances, variab automations.		Instances represen your enviroment.	t devices that	are connected to	Advanc	ed Settings		^
					Desc	ription		
Variable		E Autor	nation				CANCEL	ОК
Variables hold data that can be access throughout the environment.	ed	Automations are us component behavio		n custom				
y Event		🔜 Media	a					
Events can execute actions on a cyclic react to changes of the environment.	basis or	Media files are use	d to design vis	sualizations.				
react to changes of the environment.								
	🕐 Obje	ect Tree						
		an object						
ID	Nam	ne				Updated		
5846		IP-Symco IP-Symco ONVIF-						



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	.		
Recy Port			
6524			
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 p	ictures, please create fir	at a category in the objekt tree of IP-Symcon and then select it in the field below
doorbird ring pictures categ	jory	
ring pictures		
Ring_pictures	88	
picture limit for doorbird rin	g pictures	
limit ring pictures		
20	0	
category for doorbird snaps	shots pictures, please cr	ate first a category in the objekt tree of IP-Symcon and then select it in the field belo
doorbird snapshot pictures	category	
snapshot pictures		
Snap_shots	88	
picture limit for doorbird sn	apshots pictures	
limit snapshots		
20	0	

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 picture	s of motion detection on the WebFront
Enable variable for slide	show motion detection
iframe width (px)	
640	$\hat{}$
iframe height (px)	
480	\$
Show a slide show of visitors on	the WebFront
Enable variable for slide a	show history
iframe width (px)	
640	\$
iframe height (px)	
480	0

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

IP Symcon Settings	
IP adress IP-Symcon Server	
IP adress 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	$\hat{}$
door open Relaxation time for dooropen (seconds)	
relaxation (s)	
10	0



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.

0

email notification settings optionally notification via email (configurated SMTP module required)

active email notification

SMTP module None

notification email adress

^{email} some@gmail.com

email subject

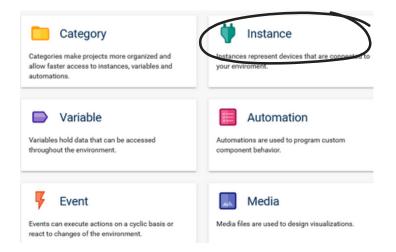
subject Doorbell Klingel!

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.



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

Ŵ	Add Inst Instances re		the different devices	s in your	project	
Type - All t	ypes -	Ŧ	Vendor - No vendor -	-	Quick Filter smtp	
Ve	ndor	Device				
(D	evice)	E-Mail, S	Send (SMTP)			



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

Rame E-Mail, Send (SMTP)	
Location IP-Symcon	0
/isual Settings	^
lcon	Θ
Show object	
dvanced 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	ODCUMENTATION	6	2	۴	D	ø
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 instanc	e APPLY CHANGES	DISCA	RD CHANGE			



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

	Object Tree	email notification settings				
•	,	optionally notification via email (configurated SMTP module required)				
ID	Name	active email notification				
58468 29473	 IP-Symcon ONVIF-Geräte Ring_pictures 	active email				
21294	> 🛅 Snap_shots	SMTP module E-Mail, Send (SMTP) 🛛 😵 🕄				
42205 36662 38510	 Doorbird Doorstation\032-\0321CCAE37 E-Mail, Send (SMTP) 	notification email adress				
	 I/O Instances Splitter Instances Core Instances 	_{email} some@gmail.com				
	 Configurator Instances Discovery Instances Visualization Instances 	email subject				
	 Visualization instances 	subject				
		Doorbell Klingel!				
		email text				
		^{email text} Da hat jemand an der Tür geklingelt, aber c				
		active email 2				

1.20. Go to IP-Symon 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.

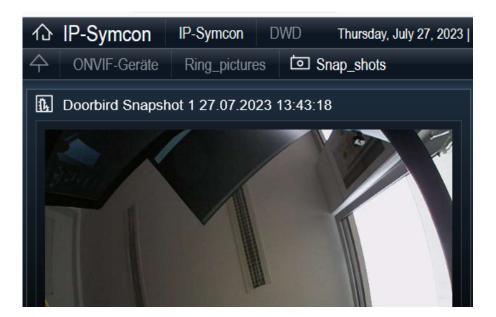
Smartlock
Doorstation A1101
Setup notifications from doorbird to IP-Symcon
SETUP NOTIFICATION
Get buildnumber, WLAN MAC and firmwareversion of Doorbird
GET INFO
Get snapshot from the doorbird camera
GET SNAPSHOOT
OPEN DOOR



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

D	Name	Туре	Value	Updated
	V 🛅 IP-Symcon			
58468	> ONVIF-Geräte			
29473	Ring_pictures			
21294	✓ Snap_shots			
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	
33629	Doorbird Snapshot 3 07.08.2023 10:47:23	Media	media/doorbirdsnapshot_3.jpg	
15883	Doorbird Snapshot 4 07.08.2023 10:47:22	Media	media/doorbirdsnapshot_4.jpg	
21131	Doorbird Snapshot 5 07.08.2023 08:51:10	Media	media/doorbirdsnapshot_5.jpg	
54042	Doorbird Snapshot 6 07.08.2023 08:43:57	Media	media/doorbirdsnapshot_6.jpg	
16055	Doorbird Snapshot 7 27.07.2023 13:43:18	Media	media/doorbirdsnapshot_7.jpg	
52618	Doorbird Snapshot 8 27.07.2023 13:43:01	Media	media/doorbirdsnapshot_8.jpg	
16189	Doorbird Snapshot 9 27.07.2023 11:19:11	Media	media/doorbirdsnapshot_9.jpg	
42205	> Doorbird	Doorbird	inclusion de construction de la figura	
36662	Doorstation\032-\0321CCAE372B311	Doorbird		
59277	Doorbird Video	String	<img "="" 020<="" doorbird:="" http:="" src="http://192.168.170.20</td><td>7/2023</td></tr><tr><td>59089</td><td>Zeitpunkt letztes Klingelsignal</td><td>String</td><td>26.07.23 15:44:04</td><td>26/07/2023</td></tr><tr><td>38687</td><td>Zeitpunkt letzte Bewegung</td><td>String</td><td>20101120 1011101</td><td>Never</td></tr><tr><td>48680</td><td>Zeitpunkt letzte Türöffnung</td><td>String</td><td>07.08.23 08:51:10</td><td>08:51:10 am</td></tr><tr><td>31963</td><td>Zeitpunkt letzte Türöffnung 2</td><td>String</td><td></td><td>Never</td></tr><tr><td>32939</td><td>Doorbird Firmware Version</td><td>String</td><td>000141</td><td>27/07/2023</td></tr><tr><td>47890</td><td>Doorbird Build Number</td><td>String</td><td>16835340</td><td>27/07/2023</td></tr><tr><td>27169</td><td>Doorbird WLAN MAC</td><td>String</td><td>1CCAE3xxxx</td><td>27/07/2023</td></tr><tr><td>59054</td><td>Doorbird Türöffner</td><td>Integer</td><td>Tür öffnen</td><td>Never</td></tr><tr><td>32328</td><td>Doorbird Bild abspeichern</td><td>Integer</td><td>Bild speichern</td><td>Never</td></tr><tr><td>33428</td><td>Doorbird IR Beleuchtung</td><td>Integer</td><td>Licht einschalten</td><td>Never</td></tr><tr><td>25812</td><td>Doorbird App starten</td><td>String</td><td><a href=" td="" title="Do
192.168.17</td><td>27/07/2023</td></tr><tr><td>14100</td><td>Schnappschuss Diashow</td><td>String</td><td><iframe src="/> <td>27/07/2023</td>	27/07/2023
22423	Web Admin	String		

1.23 In the WebFront also you can see the snapshots.





2. SETTING UP THE DOORBIRD IP VIDEO DOOR STATION

For the DoorBird IP Video Door Station to be properly able to communicate with the IP-Symcon, the DoorBird device's http settings must be adjusted accordingly.

2.1 Open the DoorBird App and log into the administration area under "Settings \rightarrow Administration" using the administrator Username and Password credentials from the "DIGITAL PASSPORT" document shipped with your DoorBird IP Video Door Station.

4:21		ja,	? 1	
	Administr	ation		
LOGIN			Q	
Admin name				
Admin password	i		0	
Save login				
				1

2.2 After logging in, go to USER --> Settings --> In user management enable the permissions (In order see the video.) Save the Changes.

Emergency calls o	🛛 … 🛛 🛠 🛜 🖽 33	3% 🔲 11:10 AM	4	Emergency calls o
	Administration	Save		
PASSWORD				PERMISSIONS
•••••		0		Watch always
-	CHANGE PASSWORD			History
	NT)			
NAME (COMME	NT)			Motion
IP-Symcon				Geofencing
PERMISSIONS				API-Operator
Permissions		Select >		ACCESS RELAYS
ASSIGN CALL B	UTTON			Relay 1
Call button	Doo	rbell No. 1 ゝ		I O controller: Re
()	()	ξ.β		((•))
	0	\triangleleft		



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

Administration	Save	Emergency calls o	\$ @ . *
FAVORITES			Favorites
HTTP(S) Calls	>	Q Search	
SIP Numbers	>	Bewegungsereign http://ipsymcon:userip	
PERIPHERALS		Klingelereignis 1 I http://ipsymcon:userip	
Settings	>	Relais 1 Ereignis I	P-Symcon
DOORBIRD CONNECT		Relais 2 Ereignis I	P-Symcon
External video service (NVR)		http://ipsymcon:userip	2sh0me@192.168.17
SDDP (Control4)			
EXPERT SETTINGS			
NTP-Server	pool.ntp.org		
Relays	>		ADD
Button LED	Always on		
Button Sound	DoorBird	((*))	\bigcirc
(0)	ŵ		0

- 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 wit 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.

	11:19			<u>n</u> .	,	Ŷ١
Schedule for actions						
	Push notification	ifica	ation	v	> [
Ø	Trigger relay	/E	TH	FR	SA	SU
	HTTP(S) calls					
C	SIP call					
02:00						
02:30						
03:00						
03:30						
04:00						



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