

SYSTEM REQUIREMENTS

- DoorBird IP Video Door Station D10x/D11x/D21x Series.
- Zennio Z70 v2/Z50/Z100, KNX USB interface/KNX IP interface.

ADDITIONAL INFORMATION

The following guide will take you through setting up a DoorBird IP video door Station in connection with the Zennio device. Please ensure the Zennio device receives an IP address and is connected to the same local network as your DoorBird IP Video Door Station.

Please also make sure 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 only call from DoorBird to Zennio device (Zennio Indoor station panel).
- You can open the door from Zennio device during the SIP call.

1. SETTING UP THE ZENNIO DEVICE

1.1 Connect the Zennio Device to the power supply, local network, and KNX bus.

1.2 Connect the device to either of the KNX interfaces, (KNX - USB interface/ KNX - IP interface)

Hint: Use any of the KNX interfaces, of any brand, for programming the Zennio device.

1.3 Create an account at https://my.knx.org/account/register to download the ETS software.

1.4 Download the demo version of ETS6 software on PC/Laptop and install it.

1.5 Open the software and click on "Run Demo".

KNX	Login to MyKNX	
	Please login using your MyKNX credentials.	
	<u> .</u> E-Mail	
	A Password	
	🕒 Login	
An 🗸		

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Note: For programming in the ETS Tool, we recommend downloading the manual of ETS tool from the KNX website. The manual will guide you through the programming process effectively.

1.6 Download the .knxprod file on the product website.



Only for ETS5/ETS6 (see Warning) To update Z70 v2, it is necessary to download the ETS application program and also update the firmware with the corresponding version. Older versions.

1.7 Create a new ETS project or open an existing one.



1.8 Give a Name to the Project and select a Project Type. Set Backbone to "TP". Enable Create Line 1.

Set Grouping Address Style to "Three Level". Click on "Create Project".

Name		
Zennio		
Project Type		
Other Residential	~	
Backbone		
ТР	~	
Topology Create Line 1.1		
ТР	~	
Group Address Style		



1.9 Select panel "Topology", and select the line in which the ETS product program application is going to be "imported".

KNX 🖹 Test Project Z70V2 f	晶 N	ew project	× +	~	
$\leftarrow \rightarrow$ $\%$ Trades					
Buildings	~	Devices 0	🛠 Trades	0	
Buildings	*	Se Addres Ro	om *	Description	Application Program
Group Addresses	*				
Topology	*				
Diagnostics	*				

1.10 Click on "1.1 TP line" --> Select "+ Add " --> Select "Devices" --> Below catalog option will be available.

Topology	→ Segments 0	Devices	0		
Topology Backbone	Se Addres Roon	n (Description	Application Program *	Adr Prg Par Grp Cfg Manufacture
Dynamic Folders					
1 TP area					
1.1 TP **					
Unset Current Line					
🛓 Download >					
Gompare Device					
Print Labels					
Preview Eilter Table					
+ Add	Segments				
Delete Del	Devices				

1.11 A new "Catalog" panel will be opened. Please search the program application of the Zennio touch panel you want to add. Click on Import --> open the .knxprod file

$\leftarrow \rightarrow$ M anufacturers	
Topology	✓ → Segments 0
Topology Backbone	Se Addres Ro
> Dynamic Folders	
∨ 🚺 1 IP area	
1.1 TP line	
Catalog	🗲 [Import
🚖 Favorites	
E Device Templates	
Dreviously used	
Dreviously imported	
Manufacturers	

Hint: Please download Manual of Zennio device from the official Zennio website, to know necessary information you need.



1.12 Import the language of your choice or Import "All Languages". Click on "OK".

Select Product Language(s)	Import	t successful.	
Language	file locatio		
English (United States)	the recent		
French (France)			
German (Germany)			
Italian (Italy)			
Russian (Russia)			
Spanish (Spain)			
Ukrainian (Ukraine)			

1.13 Double Click on "Zennio" in catalog, it will be loaded in the 1.1 TP Line.

Topology V	H Se	aments 0	Dev	ices 0		Q	Search	~	Pro	perties	
Topology Backb	Se	Addres Room	*	Description	n Application	n Program	Ad	r Prg Par G	BB Gro	ups	
1.1 TP line									P Find	l and Replace	
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Catalog	~	[← Import	0	Download	<u>.</u>	Q	Search	~			
🚖 Favorites			Secur	ity	Manufacturer	Name		Ord			
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Dreviously used											
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1.14 Go to 1.1.1 Z70 v2 folder --> General --> Parameters --> IP Configuration. Select Static, Enter the IP address of Zennio Device, Enable VoIP, Enable IP Camera.

Seneral	Network Configuration		
Carlo and a	Device Description	ZENNIO	
Configuration	IP Address Assignment	Static	
Locale	IP Address	192.168.70.06	
Backlight	Subnet Mask	255.255.255.0	
Security	Gateway	192.168.70.1	
Update Settings	Primary DNS	8.8.8	
IP Configuration	Secondary DNS	8.8.4.4	
VolP Calls	VoIP	×	
Yon Cons	Different Network		

Note: Unlike dynamic IP addresses that can change periodically, a static IP address is manually assigned and does not change automatically.

1.15 Go to VoIP Calls. Keep the options as shown below. Set the ring volume according to your requirement.

- (General	My VolP ID	MY_ID
	Configuration	Video Intercom Internal Calls	 ✓ ✓
	Locale	Default Ring Volume (after Programming)	3 👻
	Backlight	Synchronize with other Devices in the Same	
	Security	Network	
	Update Settings	Synchronization Password	
	IP Configuration	The Use of this Functionality Requires a	a Specific Licence
(+	VolP Calls		
+	IP Cameras		

1.16 Click on "+ VoIP Calls" --> Video Intercom.

1.17 Select the options as shown below and Select the number of outdoor units, in case if you are using more than one DoorBird IP Video Door Station.

		CALL ACCEPTED	
Configuration	"Call Rejected" Label	CALL REJECTED	
Locale	Default Ringtone	Ringtone 1	•
Backlight	Number of Tones	3	\$
Security	Play Ringtone Object Value	0 1 = Play Ringtone 0 = Play Ringtone	
Update Settings	Generic Outdoor Unit		
IP Configuration	Outdoor Units Number	1	\$



1.18 Under Video Intercom --> Click on Outdoor Unit. Name the DoorBird and enter ETS Name (After Entering the name, it will display "DoorBird"). Set ETS Type to "Private". Set Profile to "DoorBird"

Enable "Unit with Camera."

Outdoor Unit ID --> Enter ID_1.

Enter the DoorBird Username and Password.

You must change your password to 15 characters max go to section 2.1

Enable Door 1 or other, Label the door, e.g., Main Door, and enable the HTTP command opening.

- General	Name	DoorBird Different Name for ETS
Configuration	ETS Name	DoorBird
Locale	Туре	Private Community
Backlight	Profile	Doorbird
Security	Unit with Camera	~
Update Settings	Outdoor Unit ID (e.g "ID_1")	ID_1
IP Configuration	Set Static IP	
- VolP Calls	HTTP Authentication Settings	
- Video Intercom	Username	abcdef0001
	Password	xyzxyz
1 Doctorio	Opening Settings	
+ IP Cameras	KNX Object	
+ Display	Automatic Door Opening (DOORMATIC)	
	Enable KNX Objects to Trigger Opening	
	Door 1	
	Label	front door
	HTTP Command Opening Automatic Door Opening (DOORMATIC	

1.19 Go to IP Cameras --> Click on"1 doorbird".

Enter the Name for the IP camera, the IP address of the DoorBird, Enable HTTP protocol, Enable Authentication, Enter the Username and Password of the User (eg., user1/user2/,..) Enable the path http://DoorBird_IP:80 this will automatically update and in the box enter /bha-api/video.cgi it will allow seeing live stream on the Zennio Display unit.

Lio i General i Gameras i Goolbin	Z70 v2 :	General	> IP	Cameras	>	1 doorbirg
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Name	doorbird Different Name for ETS
IP Address (e.g "192.168.1.101")	192.168.70.21
Protocol	O HTTP RTSP
Authentication	
Username	abcdef0001
Password	xyzxyz
Encrypt	
Path	http:// 192.168.70.21 : 80 /bha-api/video.cgi
Video Codec	MJPEG
Add Control	
	Name IP Address (e.g "192.168.1.101") Protocol Authentication Username Password Encrypt Path Video Codec Add Control

Note: Other settings in the parameters list can be modified according to your requirements and the same parameters are displayed on the Zennio panel.



1.21 Click on Manage Configured Connections.

ts i Properties Automatic Gen Settings Name General Description	0
rs Settings Manage Configured Connections Manage Configured Connections Description	0
General Description	
ation	
ettings uration	
ett uri	ation 88 Groups

1.22 You can test the bus connection and Click on ok. Through the KNX interface the Zennio device can be programmed according to our requirements.

Manage Configured Connections

A configured connection is necessary if ETS cannot detect the bus interface automatically, either because the network does not support IP Multicast, or the interface is behind a NAT router (*), or the interface uses the EIBlib/IP protocol.

IP Tunneling	92.168.70.:1:3671	L	🔶 IP Tunneling
			Name
			IP Tunneling
			Individual Address
			Address
			Server
			192.168.70.06
			Port
			3671
			Network Address Translation Connect using NAT mode
			message
			_

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1.23 The programmed file has to be downloaded into the Zennio device.

Click on Download All --> select the Keep current interface settings --> press the programming button on the back side of the device.

Group Objects 0	Download All		
.1 Z70 v2 > General > VoIP	Download Partial		
General	Name	DoorBird	Download Individual Address Overwrite Individual Address
Configuration	Profile	Doorbird	Download Application
io Ita	The interface Check The interface address Do you want to chance Interface: KIPI 192, 168.	15.15.241 does not correspond to any line in yo ge your local settings now? .70.06:3671 5.15.240)	ur project.
)O Ita	Interface Check The interface address Do you want to chanc Interface: KIPI 192.168.	15.15.241 does not correspond to any line in yo ge your local settings now? .70.06:3671 15.15.240) ncel Keep current Settings Change Inter	ur project. face Settings
yo nta Workspaces	Can	15.15.241 does not correspond to any line in yo ge your local settings now? .70.06:3671 15.15.240) ncel Keep current Settings Change Inter	ur project. face Settings
Vorkspaces Todo Items	Can	15.15.241 does not correspond to any line in yo ge your local settings now? .70.06:3671 15.15.240) ncel Keep current Settings Change Inter	ur project. face Settings
Vorkspaces Todo Items Pending Operations	Can	15.15.241 does not correspond to any line in yo ge your local settings now? .70.06:3671 15.15.240) ncel Keep current Settings Change Inter	ur project. face Settings

1.24 The status of the LED will change from Red to None and device will restart itself. The notification will appear after successful programming.



Hint: Please check the interface connection and start programming. If programming fails, restart and reconnect the device with the interface. Verify the DoorBird credentials.



2. SETTING UP THE DOORBIRD IP VIDEO DOOR STATION

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

2.1 Open the DoorBird App and log into the administration area under "Settings → Administration" using your administrator username and password credentials from the "DIGITAL PASSPORT" document that was shipped with DoorBird IP Video Door Station.

4:23		3	,	ŶÎ
	Administr	ation		
LOGIN				Q
Admin name				
Admin password				0
Save login				

2.2 After Logging into Administration Settings, go to USER Settings and Click "Add" to create a new User. Give a Name and Click on Save.

OR

You can use default user0001 for Zennio Configuration.

15:34 🖻 🕫 <u>†</u> •	8	¥ ७0∎	15:34 🖻 味 <u>†</u> ・	15:34 🖻 ⊮ <u>†</u> •
	Administration	Save	1	User Managemer
USER			Q Search	Q Search
Settings		>	abcdef0000 Administrator	abcdef0000 Administrator
OWNER EMAIL AD	DRESS		abcdef0001 abcdef0001 Call butt	abcdef0001 abcdef0001 Call button: 1
DEVICE NAME				
Fingerprint				
CLOUD RECORDIN	IG FREE			
Doorbell				
Motion				
Storage duration		Unlimited		
CLOUD RECORDIN	IG PRO 🕕			
Subscription		>		
Doorbell		•		
Motion				ADD
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2.3 Enter the NEW PASSWORD(Select less than 15 characters.)

Click on Save to change the password. You can send the Password via mail or download a PDF document. Click on MAIL / PDF --> Click on Done.

15:35 🖪 🛪 <u>†</u> •		* =0		16:02 <u>†</u> 🕫 🖪 •		¥ ବି•⊗∎
	Administration	Save			User Management	Sa
USERNAME				USERNAME		
abcdef0001				abcedf0001		
NEW PASSWORD				NEW PASSWORD		
		0				5
GENER	ATE RANDOM PAS	SWORD		Share us	er data	
NAME (COMMENT	T)			Do you war mail or crea Please writ gh is the last p	at to send the use ate a PDF? e down the passy ossibility to see y	r data by vord. This rour new
PERMISSIONS				password. PE		o []
Permissions		Select >		Pe	₽	DF MAIL
ASSIGN CALL BUT	ITON			ASSIGN CALL BU	TTUN	
Call button		Doorbell No. 1 >		Call button	1	Doorbell No. 1
					DELETE	
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2.4 Incase if you created a new User. Enable the below PERMISSIONS. Follow the previous step and change the password.

15:35 B × 1 · K · · · · · · · · · · · · · · · · · · ·
Administration Save USERNAME
USERNAME abcdef0002 NEW PASSWORD GENERATE RANDOM PASSWORD NAME (COMMENT) User2 PERMISSIONS
abcdef0002 NEW PASSWORD CENERATE RANDOM PASSWORD CENERATE RANDOM PASSWORD NAME (COMMENT) User2 PERMISSIONS
NEW PASSWORD GENERATE RANDOM PASSWORD NAME (COMMENT) User2 PERMISSIONS
CENERATE RANDOM PASSWORD NAME (COMMENT) User2 PERMISSIONS
GENERATE RANDOM PASSWORD NAME (COMMENT) User2 PERMISSIONS
NAME (COMMENT) User2 PERMISSIONS
User2 PERMISSIONS
PERMISSIONS
Permissions Select >
ASSIGN CALL BUTTON
Call button Doorbell No. 1 >
(o) (?) (\$



2.5 Choose "SIP Settings" from the menu and Enable the "SIP activated" and Enter SIP User --> The Outdoor Unit id (Section 1.18) save the SIP Settings.

4:21	. a		4:23	<u>.</u>	Ŷì
	SIP Settings	Save	S	IP Settings	Save
SIP SETTINGS			SIP SETTINGS		
SIP activated	(SIP activated		
			SIP Proxy		192.168.123.22
			SIP User		ID_1
			SIP Password	0	Password
			OPTIONAL SETTINGS	5	
			Auth ID		
			Display name		
			STUN Server		

Note: You can make the direct SIP call without enabling other options.

2.6 Go back to the main administration area and tap on "SIP Numbers", then tap "Add". Save the SIP Numbers

10:57	a	ŶI	4:23	.a
	Administration	Save		SIP Numbers Save
AVORITES			SIP NUMBERS	
HTTP(S) Calls		>	Name	Zennio
SIP Numbers)	>	SIP address	Zennio@192.168.70.06
ERIPHERALS				
Settings		>		
DOORBIRD CONNE	СТ			

2.7 In the subsequent screen, enter an arbitrary name in the "Name" field, e.g., "zennio". For the SIP address, enter the IP address of your Zennio device and SIP address as e.g., zennio@x.x.x.x

To forward calls from the DoorBird IP Video Door Station to the integration, 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 "SIP call" and fill out the schedule as per your requirements for this event.



B) For all devices with a 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 "SIP call" and fill out the schedule per your requirements for this event.

C) For all devices outfitted with a digital display module (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 "SIP call" and fill out the schedule per your requirements for this event.



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< Back	¢	Sch	edule	for act	tions		
6	2 <		zen	inio			
0	MO	TU	WE	TH	FR	SA	SU
00:00		_		_		_	
00:30							
01:00							
01:30							
02:00							
02:30							
03:00							
03:30							
04:00							

Hint: By tapping the button in the upper right corner it is possible to fill or empty the entire schedule.

2.8 Return to the main administration area and save the settings. Wait for about five minutes for the new settings to take place.

2.9 After finishing the SIP settings. Call from DoorBird to Zennio device to check the SIP commincation. You can answer the call, Click on Key symbol to open the door OR reject the call.





Note: For questions and problems regarding our devices (DoorBird IP Video Door Station or DoorBird IP Upgrade), please contact our technical support via the contact form online: https://www.doorbird.com/de/contact.

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Note: For questions and problems regarding Zennio device (for technical issues), please contact the manufacturer directly via the contact form online: https://support.zennio.com/hc/en-us.

FIRMWARE INFORMATION

This manual was tested using the following versions:

1. Zennio

Hardware device series: ZVIZ70V2 Engineering tool Software: ETS6 IP KNX interface: https://www.zennio.com/product/ip-interface-cl USB KNX interface: https://www.zennio.com/product/knx-usb-sc

2. DoorBird IP Video Door Station Hardware device series: D21DKH-V2A Software Version: 000139

Hardware device series: D1102FV Software Version: 000139

Hardware device series: D101S Software Version: 000139

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guage	Your	software is up to date.
ensing		
Apps	ETS Version	ETS 6.1.0 (Build 5686)
ine Catalon	Master Data	v122
- conorg	Interface	v66
ta Storage	Plugin Info	vt
ubleshooting	Online Catalog	8/06/2023