



Integration Note

Manufacturer:	Bird Home Automation GmbH
Model Number(s):	DoorBird D10x, D20x
Comments:	DoorBird Firmware 000099 and greater
Document Revision Date:	1/2/2018

OVERVIEW AND SUPPORTED FEATURES

The DoorBird D10x and D20x Door Stations are a SIP Door Station solution with an integrated video camera for monitoring door activity. ELAN integration with the station supports the following features:

1. **Paging-** When the “Call” button is pressed on the Door Station, it will call all appropriate Intercom Stations based on the House Mode of the ELAN System
2. **2 Way Calls-** A user at an Intercom Station can converse with the person who pressed the “Call” button
3. **Video Monitoring-** The camera in the Door Station may be accessed from any Intercom Station to view the caller
4. **Relay/Door Strike Actuation through UI -** Requires ELAN version 7.3 or newer.

INTEGRATION REQUIREMENTS

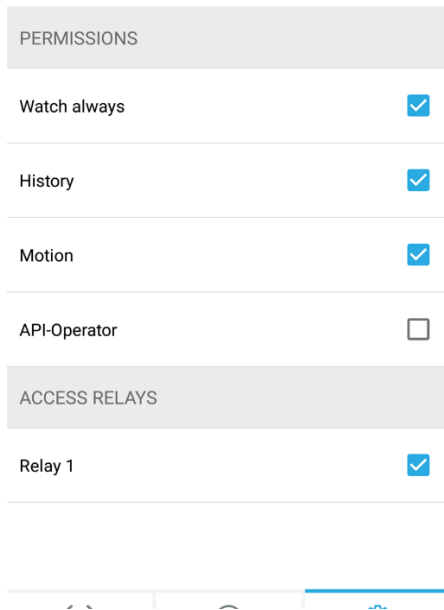
The DoorBird D10x and D20x Door Stations require a single CAT5 or CAT6 Ethernet connection to the same network to which the ELAN Intercom Controller is attached. The station may be powered either using PoE (Mode A) or with the separate 15VDC power supply included with the unit:

- ❖ Pull the CAT5 or CAT6 cable from the door station location to the Network Switch or Router
- ❖ Terminate both ends of the cable
- ❖ Test the cable to ensure proper performance
- ❖ Connect the Door Station; ensure that it powers up.

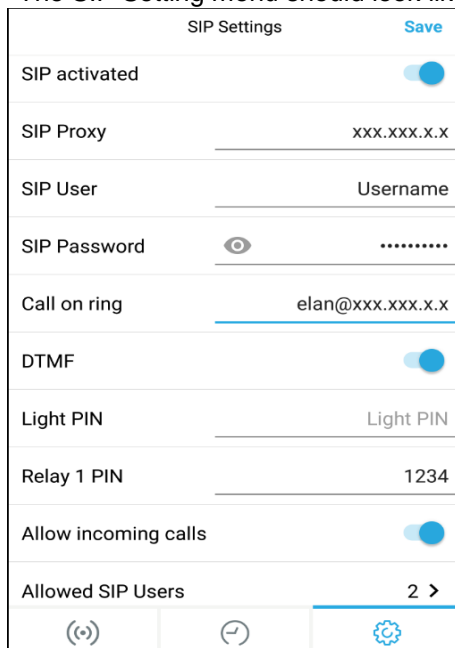
COMPONENT SETUP

SIP VoIP:

1. Install the DoorBird app on your iOS or Android device.
2. Set Up the DoorBird device following DoorBird documentation, if you do not have the DoorBird setup guide you can find it here <http://www.doorbird.com/support>.
3. Once you have set up your account and device navigate to the administration page under further functionality.
4. Enter the login credentials you used to set up the account and hit continue.
5. Once in the administration menu select the door station under user. Select the permissions button which will lead you to another menu. In this menu you need to make sure Watch always is selected like in the picture below. (This only needs to be done in Firmware 109 or newer)



6. Once in the administration menu scroll to the bottom and select the SIP Settings button.
7. The SIP Setting menu should look like the picture below.



8. For the SIP Proxy you will enter the IP address of your ELAN controller.
9. For the SIP User and SIP Password you will enter the information given by DoorBird for the door station you want to use.
10. For the Call on ring you will enter elan@xxx.xxx.x.x where xxx.xxx.x.x is the IP address of your ELAN controller.
11. Make sure DTMF is turned on for use of DoorBird relay.
12. Relay 1 Pin is the code that you input to activate the relay.
13. Make sure Allow incoming calls is turned on.
14. For allowed SIP Users you will enter elan@xxx.xxx.x.x where xxx.xxx.x.x is the IP address of your ELAN controller, and then hit the save button in the top right.

ELAN CONFIGURATION DETAILS

CONFIGURE THE BUILT-IN CAMERA

The DoorBird's built-in camera may be added into ELAN using a feature called "Generic URL Video Camera".

1. On the Video tab in Configurator, Right click "Video Cameras/Sources and select "Add New Video Source/Camera".

<ul style="list-style-type: none"> Communication Devices Built-In DVR Options Transcoder Options [-] Video Cameras/Sources <ul style="list-style-type: none"> [+] TP7 F8:57:2E:00:25:55 [+] TP12 F8:57:2E:02:10:35 [+] Generic URL Video Camera [+] KNC-HDi47 [+] Panasonic Standard Series [+] Generic URL Video Camera DVR Systems [-] Custom Pages <ul style="list-style-type: none"> [+] New Page 	<p>Video Source/Camera : Generic URL Video Camera</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Name</td><td>Generic URL Video Camera</td></tr> <tr><td>System #</td><td>7417</td></tr> <tr><td>Driver Version</td><td>8.2 Build 200.40 Rel</td></tr> <tr><td>Driver Vendor</td><td>ELAN</td></tr> <tr><td>Device Type</td><td>Generic URL Video Camera</td></tr> <tr><td>URL</td><td>/bha-api/video.cgi</td></tr> <tr><td>IP Address</td><td>192 . 168 . 1 . 12</td></tr> <tr><td>Port</td><td>80</td></tr> <tr><td>UserName</td><td>*****</td></tr> <tr><td>Password</td><td>*****</td></tr> <tr><td>Flip Image 180</td><td>No</td></tr> <tr><td>Hide Full Screen Control</td><td>No</td></tr> <tr><td>Hide Resolution Control</td><td>No</td></tr> <tr><td>Default Resolution</td><td>Auto</td></tr> <tr><td>Enable DVR</td><td>No</td></tr> <tr><td>Enable Transcoder</td><td>No</td></tr> <tr><td>Transcoder Res</td><td>< SELECT ></td></tr> <tr><td>Record Resolution</td><td>< SELECT ></td></tr> <tr><td>Record Mode</td><td>Auto (Medium Sensitivity)</td></tr> <tr><td>Record Threshold</td><td>0%</td></tr> <tr><td>Minimum Rate</td><td>1/60sec</td></tr> </table>	Name	Generic URL Video Camera	System #	7417	Driver Version	8.2 Build 200.40 Rel	Driver Vendor	ELAN	Device Type	Generic URL Video Camera	URL	/bha-api/video.cgi	IP Address	192 . 168 . 1 . 12	Port	80	UserName	*****	Password	*****	Flip Image 180	No	Hide Full Screen Control	No	Hide Resolution Control	No	Default Resolution	Auto	Enable DVR	No	Enable Transcoder	No	Transcoder Res	< SELECT >	Record Resolution	< SELECT >	Record Mode	Auto (Medium Sensitivity)	Record Threshold	0%	Minimum Rate	1/60sec
Name	Generic URL Video Camera																																										
System #	7417																																										
Driver Version	8.2 Build 200.40 Rel																																										
Driver Vendor	ELAN																																										
Device Type	Generic URL Video Camera																																										
URL	/bha-api/video.cgi																																										
IP Address	192 . 168 . 1 . 12																																										
Port	80																																										
UserName	*****																																										
Password	*****																																										
Flip Image 180	No																																										
Hide Full Screen Control	No																																										
Hide Resolution Control	No																																										
Default Resolution	Auto																																										
Enable DVR	No																																										
Enable Transcoder	No																																										
Transcoder Res	< SELECT >																																										
Record Resolution	< SELECT >																																										
Record Mode	Auto (Medium Sensitivity)																																										
Record Threshold	0%																																										
Minimum Rate	1/60sec																																										

2. Select "Generic URL Video Camera" from the Device Type list.
3. Change the name of the Camera to DoorBird Camera to make it easily distinguished from other video sources.
4. In the URL Field, enter the following URL for the MJPEG Video Stream provided by the door station: /bha-api/video.cgi
5. Enter the LAN IP Address of the DoorBird in the IP Address field.
6. Enter the DoorBird UserName and Password for the SIP user created earlier in the process using the DoorBird app.

CONFIGURE THE DOOR STATION

1. Once you add an ELAN SIP Server under the communication devices, the DoorBird Device should automatically add with correct IP address.
2. Change the name of this door station to accurately reflect where it is located.
3. Select the generic URL video camera, created above, in the video drop down to have the door stations camera enabled.

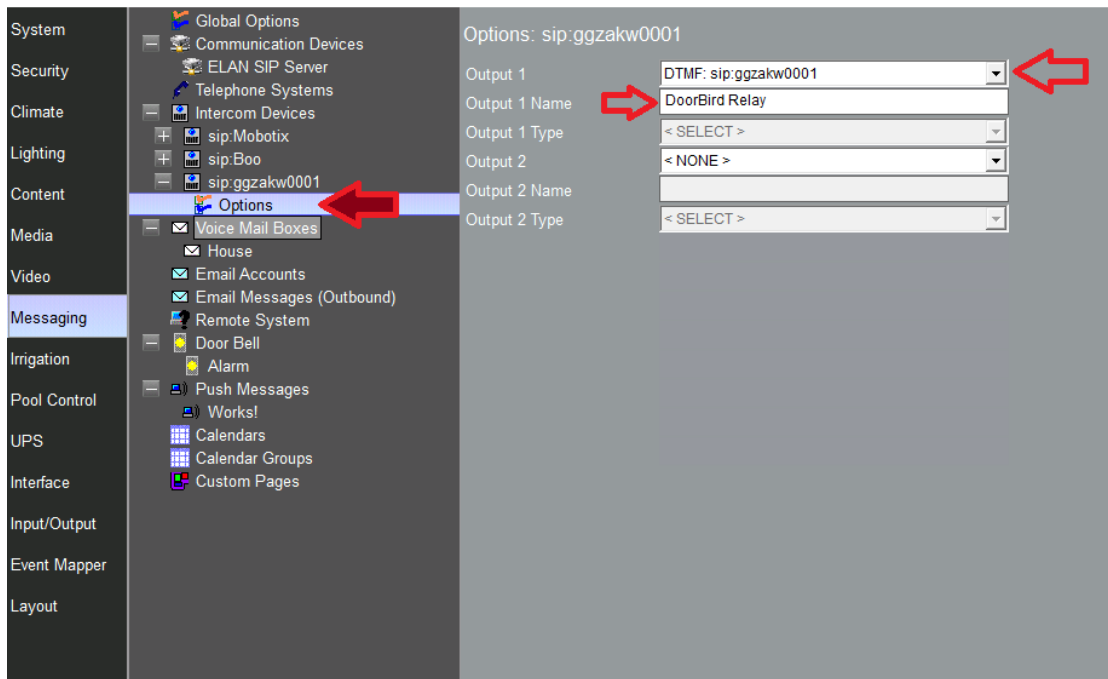
The screenshot shows a configuration interface for a DoorBird device. The left sidebar contains a navigation menu with the following items: System, Security, Climate, Lighting, Content, Media, Video, Messaging (selected), Irrigation, Pool Control, UPS, Interface, Input/Output, and Event Mapper. The main area is divided into two panes. The left pane shows a tree view of communication devices, with 'sip:ggzakw0001' selected. The right pane shows the configuration details for this device, including name, system number, driver version, and video settings.

Device : sip:ggzakw0001	
Name	sip:ggzakw0001
System #	7433
Driver Version	8.2 Build 200.43 Rel
Driver Vendor	ELAN
Device Type	SIP Station
Contact	sip:ggzakw0001
User Agent	
Address	192.168.1.12
Silence Suppression	No
Enable Monitor	Yes
Enable HW Accel	Yes
Enable Audio Transcode	No
Enable Video Transcode	No
Video	Generic URL Video Camera

Note* You may need to refresh the messaging tab before the DoorBird appears.

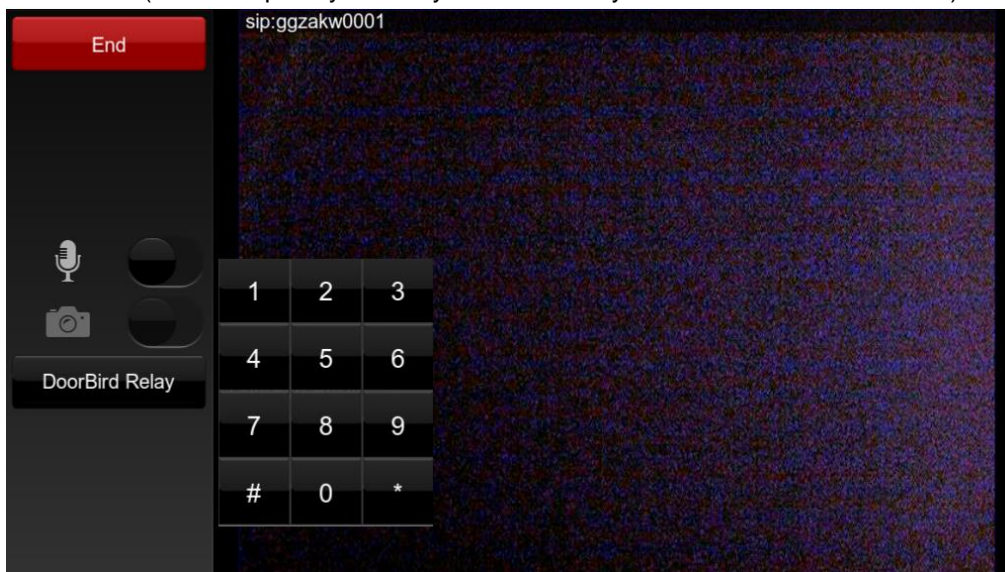
CONFIGURE THE RELAY (OPTIONAL)

If your DoorBird has relays, you can set them up under the options of the door station in the messaging tab shown below.



You have the option of selecting relays on the ELAN controller or from the door station itself.

1. To use the relay from the door station you will want to choose the DTMF option at the bottom of the list with the name of the doorstation afterwards (example in picture above).
2. The Output 1 Name will be what the relay button displays as on the UI.
3. Once you press the relay button in the call a popup keypad where you enter the relay pin that was set in the SIP settings page (setup above).
4. For this to work you must press the pound symbol (#) after entering the code for the relay to activate (For example if your relay code is 1234 you will enter 1234 then hit #).



Common Mistakes

1. No Video. If there is no video for the door station in the viewer, ensure that the Video drop-down for the Door Station on the Messaging tab has generic URL video camera selected.
2. Door Station not populating in the Viewer. Make sure that the Door Station has populated on the Messaging tab in Configurator. Check the settings in the DoorBird app to make sure the ELAN Controller is assigned as the SIP Proxy.
3. No Page signal sent when button is pressed. Ensure that the Dial Plans are set up correctly and the system is in the correct System Mode for the Dial Plan. See the Intercom Integration Note for details on setting up Dial Plans.
4. Can not monitor the door station. Ensure that the ELAN controller's IP address is added under Allowed SIP Users.
5. DoorBird Relay not activating.
 - a. Confirm that the DoorBird's DTMF relay is set up under the door station.
 - b. Confirm that the DTMF setting is active in the SIP settings.
 - c. Confirm that you are using the correct pin which can be found and changed in the SIP settings.
 - d. Make sure you are pressing the # symbol after entering the code.