



Integration Note

Manufacturer:	Bird Home Automation GmbH
Model Number(s):	DoorBird D10x, D20x
Comments:	DoorBird Firmware 000101 and greater
Document Revision Date:	12/7/2016

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 g! 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 g! 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

UNSUPPORTED FEATURES

1. **Relay/Door Strike Actuation through the UI-** As of the release of g! 7.3, Relays and Door Strikes are supported through the Door Station Interface
2. **Relay/Door Strike Actuation through Event Mapper-** As of the release of g! 7.3, Relays and Door Strikes are supported through the Event Mapper

INTEGRATION REQUIREMENTS

The DoorBird D10x and D20x Door Stations require a single CAT5 or CAT6 Ethernet connection to the same network to which the g! 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

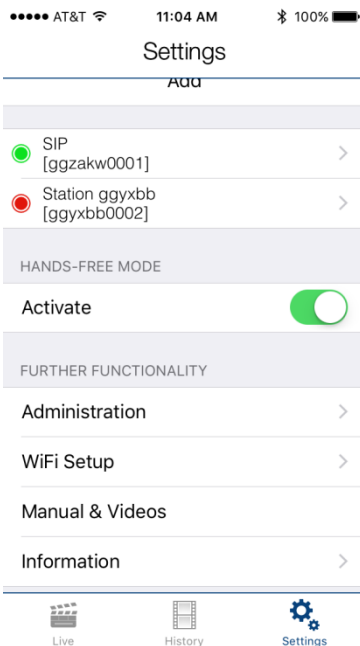
NOTE: Prior to setting up the SIP component of the Door Station, you will need to enable the SIP Server in the g! Controller. Please see the Intercom Integration Note for details on this configuration.

SIP VoIP:

1. Install the DoorBird app on your iOS or Android device.
2. The App will detect the DoorBird station on the network and present a live feed from the camera



3. Press the “Settings” button in the lower right corner to access the device settings.



4. Select the “Administration” link under “Further Functionality”
5. Use the QR Code provided with the DoorBird on the “Digital Passport” to enter the Administrator credentials, then press “Continue”.

- Under “User”, select “Add” to create a new user. In the NAME(COMMENT) field for the new user, type “SIP” (without the quotes).

The screenshot shows the DoorBird Administration interface on a mobile device. At the top, there's a status bar with AT&T, 11:10 AM, and 100% battery. Below that, navigation options include a back arrow, 'Administration', and a 'Save' button. The main content area has several sections:

- USER**: A text field containing 'ggzakw0002'.
- PASSWORD**: A text field containing 'epnhwufyzz'.
- A blue 'Change' button.
- NAME (COMMENT)**: A text field containing 'SIP'.
- PERMISSIONS**: A section with a toggle switch for 'Video only while speaking (privacy policy)', which is currently turned off.
- At the bottom, there are three icons: 'Live', 'History', and 'Settings'.

- Use the “Send by e-mail” function to email the user name and password to yourself for the next steps.
- As of DoorBird FW Rev. 000099, a license is no longer required for SIP functionality.
- Obtain the LAN IP Address of the Door Station by going to <http://www.doorbird.com/checkonline>. Enter the MAC Address of the Door Station and the LAN IP Address of the unit will be displayed.
- In a web browser, navigate to <http://xxx.xxx.xxx.xxx/bha-api/sip.html>, where xxx.xxx.xxx.xxx is the LAN IP address of the DoorBird station. The following page will be displayed:

The screenshot shows a web browser displaying the DoorBird SIP configuration page. The browser's address bar shows 'http://10.10.10.103/bha-api/sip.html'. The page features the DoorBird logo and the tagline 'Quality for a safer home.' The configuration fields are as follows:

- SIP**: A dropdown menu set to 'Enabled'.
- SIP Proxy**: A text field containing '10.10.10.109'.
- SIP User**: A text field containing 'ggzakw0002'.
- SIP Password**: A text field containing 'epnhwufyzz'.
- Autocall Doorbell**: A text field containing 'sip:elan@10.10.10.109'.
- Prioritize App**: A dropdown menu set to 'Enabled'.
- DTMF**: A dropdown menu set to 'Enabled'.
- Relay PIN**: A text field containing '1234' followed by a '#' symbol.
- Allow incoming calls from SIP user:** A text field containing 'sip:elan@10.10.10.109'.
- Last error code**: A text field containing '200'.

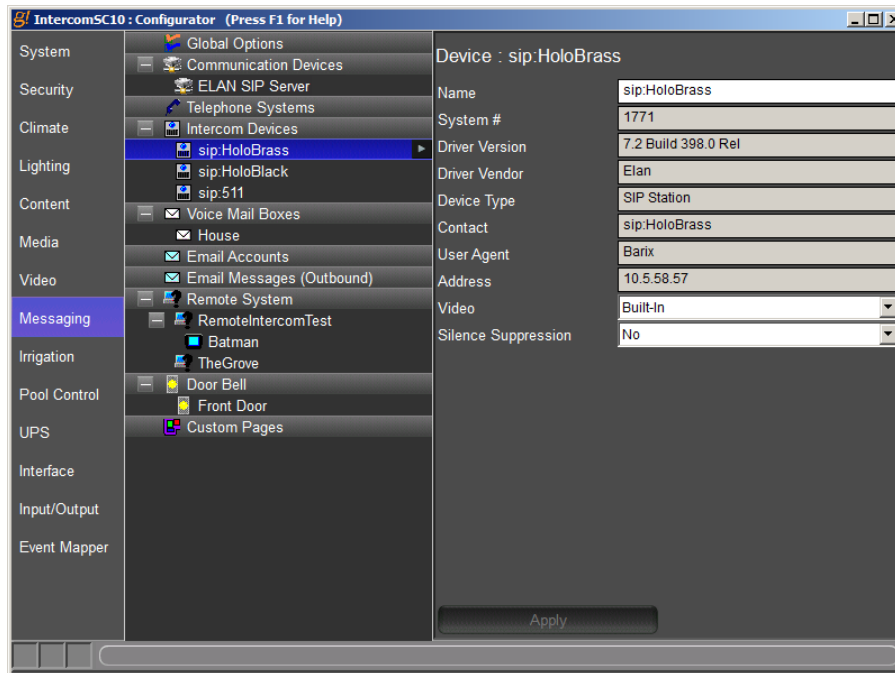
- Set the SIP Proxy field to the LAN IP address of the ELAN controller

12. Set the Auto-call Doorbell field to [sip:elan@x.x.x.x](#), where x.x.x.x is the LAN IP address of the ELAN Controller.
13. Check the box next to “Allow incoming calls from SIP user:”
14. In the SIP User field, enter [SIP:ELAN@xxx.xxx.xxx.xxx](#) where xxx.xxx.xxx.xxx is the IP address of the ELAN Controller

G! CONFIGURATION DETAILS

CONFIGURE THE DOOR STATION

The Door Station should connect to the g! Controller as soon as it is provided the IP Address of the SIP server. When it connects, it will automatically populate under the Door Station heading on the Messaging tab in Configurator:

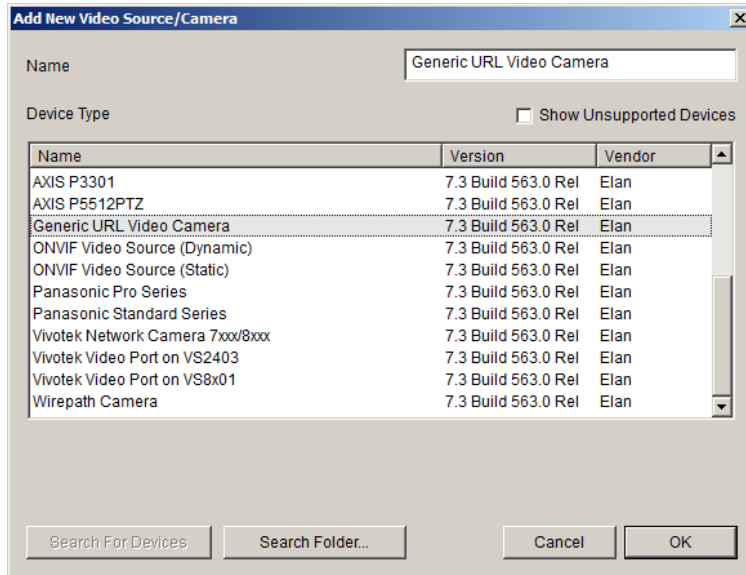


No configuration of the door station should be needed to provide SIP functionality. In order to provide video to the Door Station in the viewer, a camera must be assigned to the station using the Video drop-down. Any camera may be assigned to the door station. The Video drop-down defaults to “Built-In”. This setting tells Configurator to use the camera at the same IP Address as the door station. Select the camera appropriate to the station, and then click the “Apply” button. You do not have to use the DoorBird camera for this- any camera in the g! system may be assigned to the station.

CONFIGURE THE BUILT-IN CAMERA

The DoorBird's built-in camera may be added into g! 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".



2. Select "URL Video Camera" from the Device Type list.
3. In the URL Field, enter the following URL for the MJPEG Video Stream provided by the door station: /bha-api/video.cgi
4. Enter the LAN IP Address of the DoorBird in the IP Address field.
5. Enter the UserName and Password for the SIP user created earlier in the process using the DoorBird app.
6. Assign this camera to the Door Station if desired.

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 the correct 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 Door Station Web GUI to make sure the ELAN Controller is assigned as the SIP server.
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.