INTEGRATION GUIDE

IX|IXG Series
Genetec™ Security Center Integration

Introduction

IX|IXG Series stations can integrate with the Genetec™ Security Center platform. This guide covers station integration with the Sipelia™ and Omnicast™ modules for Security Center. This guide does not cover the installation of Security Center or any modules. It also assumes that IXG Support Tool has been installed and basic programming is complete. If that is not the case, resources are available in the links below.

IXG Support Tool: https://www.aiphone.com/IXG-SupportTool

IX|IXG Multi-Tenant QuickStart Guide: https://www.aiphone.com/IX-IXG-Multitenant-QSG

IXG Support Tool Navigation

Save

The **Save** button save configured settings in IXG Support Tool, but does not upload settings to the stations. It may be labeled as **Update** in some editions of IXG Support Tool. If that is the case, download the newest version from the link above, which is required for Genetec integration.

Hand Icon
Look for the Hand Icon to indicate where to click to select or save a setting.

ONVIF Streaming (IXG Support Tool Settings)

Setting Credentials

In IXG Support Tool, navigate to **Station Information**, ID/Password on the side menu. Add an ONVIF ID, ONVIF Password, RTSP ID, and RTSP Password to each station that will stream to Security Center. Record these for later steps. Click **Save**.

Unit Number	Station Name	ID / Password							
		ID(Administrator)	Password(Admin	User ID	User Password	ONVIF ID	ONVIF Password	RTSP ID	RTSP Password
001	Entrance Station1	aiphone	*******			streaming	*********	streaming	*********

Enabling Video Streaming (IXG-DM7-HIDA only)

To enable video streaming on an IXG-DM7-HIDA entrance station, navigate to **Network Settings**, <u>Video</u> on the side menu. Scroll right and find the <u>Second Video Encoder</u> column under <u>ONVIF Transmit Channel</u>. Use the drop-down menu to change the setting to <u>Enable</u> for each IXG-DM7-HIDA to be registered. Click `Save`.

Building Nu	Unit Number	Station Name	ONVIF Transmit Channel	
			Video Streaming	Second Video Encoder
01	1000	Front Entrance		Disable
01	1001	Master Station1	Enable	Enable
01	1002	Tenant Station1		Disable

> ℹ️ *This step is not required for other station models.*

ONVIF® Streaming (Genetec Config Tool Settings)

Log into the Genetec Config Tool. Navigate to **Administration**, <u>Video</u> on the top menu. Click `+Video Unit` on the bottom left of the screen, which will open a <u>Manual Add</u> window.
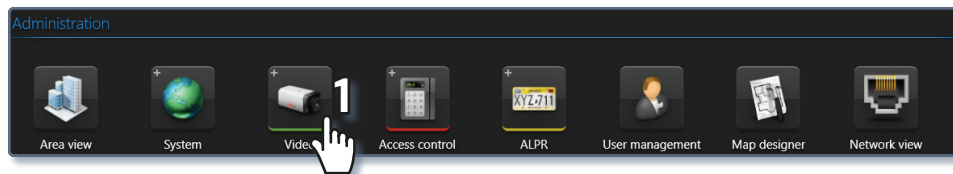
To add a door or entrance station to the system, fill in the IP address, ONVIF ID, and password. Set the HTTP port to 80 and the manufacturer to ONVIF. Click `Add`. Repeat the steps for each IXG-DM7-HIDA and door station that will stream video to Genetec.

> ℹ️ *Use port 10080 for IXG-DM7-HIDA entrance stations below firmware version 4.84. See the steps on page 7 of this guide to see how to find the station's firmware version.*
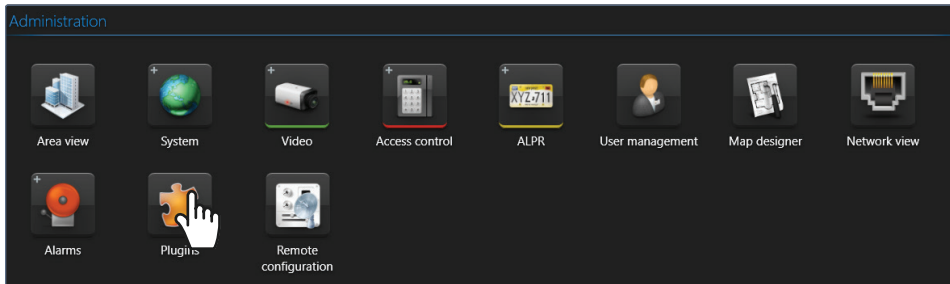
Sipelia Registration (Genetec Config Tool Settings)

Stations can be registered to Sipelia to place calls to a phone number or extension.
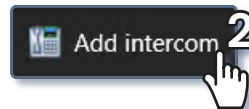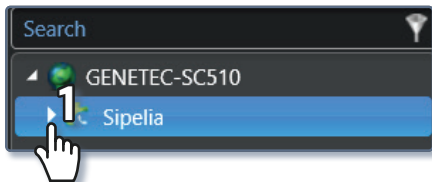
Log into the Genetec Config Tool. Navigate to **Administration**, Plugins on the top menu.

Click the caret next to Sipelia to expand then options, then click **Add Intercom** at the bottom of the screen.

Assign the intercom an extension and a password. These can either be entered manually, or click **Auto-Assign** to apply the next available extension. Click **Apply** to save the SIP settings. Repeat these for each station to be registered, and record the SIP extensions and password for later.
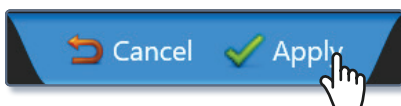
Sipelia Registration (IXG Support Tool Settings)

Advanced View

Select **View(V)**, Advanced on the top menu.

Adding VoIP Phones to Units

Stations in an IX|IXG Series system are divided into units, and each VoIP extension will need to be added to a unit as an answering station. Navigate to **Site Settings**, Units / Stations on the side menu. Click Select under a Master / Tenant Station column for the desired unit.

Unit Number	Unit Type		Unit Name	First Name	Last Name	Phone Registratio	Master / Tenant S		Master / Tenant S	
1000	Entrance	Select	Entrance1000					Select		Select
1001	Commercial	Select	Commercial1001			Disable	IX-MV7-*	Select		Select

A pop-up window will appear. Click **VoIP Phone**. Repeat this for all units that will have a VoIP extension and click Save.

> ℹ️ *Only one VoIP phone can be added per unit. Only Commercial and Guard units can contain a VoIP phone. To call multiple numbers at once, add a single VoIP phone to a single unit, then create a call group with multiple numbers in Sipelia.*

Select Station

- IX-MV7-*
- IX-SOFT
- IX-RS-*
- VoIP Phone
- Delete

Cancel

Display Settings

☑ First Name / Last Name   Number of Master Stations: 2   Apply

Number of Door / Entrance Stations

1
2
3
4
5
6
7
8

Site Settings
Units / Stations

If there is not a spare column for the VoIP extension, use the drop-down menu under Display Settings at the top of the page to increase the Number of Master Stations. Click Apply.

Assigning Extensions to Stations

Navigate to **Station Information**, Identification on the side menu. For each station or VoIP phone that is registered with Sipelia, change the Station Number to the extension. Click Save.

Station Type ▼		Station Nu	Station Name
IXG-DM7(-*)		1001	Entrance Station1
VoIP Phone		2001	VoIP Phone1

Adding SIP Server Information

Navigate to **Network Settings**, SIP on the side menu. Under Primary Server, add the ID and password assigned to the stations in Sipelia™. Enter the IP address of the PBX under IPv4 Address.

If needed, secondary and tertiary SIP server information can be added by scrolling to the right. Repeat this for all stations to be registered to Sipelia and click Save .

Unit Number	Station Name	SIP					
		SIP Connections		Primary Server			
		SIP Signaling Por	User Agent	ID	Password	IPv4 Address	
1000	Front Entrance	5060		pbxid	***********	192.168.1.50	

Adding Stations to Station Address Books

To add or remove stations from each others' address books, navigate to **System Information**, Station List on the side menu. This will present a table with entrance stations, answering stations, and apps as rows, and all stations and apps as columns. In the cells where the stations meet, If there is a check mark beneath Select where the stations meet, the column station will be in the row station's address book. If the cell is empty, it is not. Click the cell to change it as needed.

Unit Number	Station Name	01 / 1000 / 10000			01 / 1001 / 10010		
		Front Entrance / IXG-DM7(-*)			VoIP Phone2 / VoIP Phone		
		Select	Network Camera	or Release But	Select	Network Camera	or Release Bu
1000	Front Entrance				✔ ∨		
1001	Master Station1	✔			✔		

Once this has been done for all stations, click Save .

Configuring IXG–DM7–HIDA Call Buttons (optional)

At this point, any IXG–DM7–HIDA entrance stations will be able to call VoIP phones in their address books by manually typing in the extension numbers. Direct call buttons can be configured instead, simplifying operation.

To enable direct call buttons, navigate to **Entrance Station Settings**, Display on the side menu. Use the drop–down menu under Call by List to change the setting from disable to enable for each entrance station.

Unit Number	Station Name	Display			
		Navigation Icon Settings			
		Door Release Keypad	Door Release QR Cod	Call by Unit Number	Call by List
1000	Front Entrance	Enable	Disable	Enable	Disable ∨
					Enable
					Disable

To make the direct call list the default view presented to visitors, scroll right and use the drop-down menu under Default Display Screen to search by list screen.

Unit Numbe	Station Name	Display	
			Default Display Screen
1000	Front Entrance	Call by Unit Number Screen	⌄
		Door Release Keypad	
		Call by Unit Number Screen	
		Search by List Scre[en]	

Once this has been done for all stations, click **Save** .

To assign a call button, navigate to **Entrance Station Settings**, Direct Call List. There are up to 500 buttons available going from left to right, starting with Button Number 1. Click **Select** on a beneath a station.

Unit Numbe	Station Name	Direct Call List			
		Display Thumbnail Image	Button Number1		
			Buildin	Unit Numl	Select Unit
1000	Entrance Station1	☐			Select

A new window will appear. Check off a unit to be called by the button, then click **OK** . Repeat this for each button to be configured on the entrance station. More buttons can be viewed by scrolling right.

> ℹ️ *Each button in the direct call list can only call a single unit. It will call all stations, apps, and registered VoIP extensions in the unit at the same time.*

Select Unit

Select a Destination Unit.

Select	Building Number	Unit Number	Unit Name
	01	1001	Commercial1001
	01	1002	Residential1002
☐	01	1003	Outside Area 100

OK   Cancel

Direct call buttons can be copied from one entrance station to another. Click **Copy Direct Call List** at the top of the page. Set which a building and the station whose settings will be copied using the drop-down menus under Copy Source Station. Check Destination Units under Select item(s) to copy, and click **Select** to choose which entrance stations will receive the copy. Click **Execute** .

Repeat these steps for each station and click **Save** .

Copy Direct Call List

Copying the thumbnail will register the thumbnail image along with the thumbnail settings.

Copy Source Station

Building Number / Building Name
01/Building1 ⌄

Station Number / Station Name
10000/Entrance Station1 ⌄

Sele[ct] item(s) to copy
☐ Destination Units
☐ [Th]umbnail Images

Copy D[esti]nation Station(s)
Select   Station(s) Selected

Execute   Cancel

Configuring Door Release (Optional)

Each entrance station has a door release key that is automatically generated when the station is added to the system. When the entrance station is in communication with a phone, the number can be entered on the phone's keypad to release the door. To shorten the code, navigate to **Function Settings**, <u>Door Release</u> on the side menu. Use the drop-down menus under <u>Display</u> to select the building and range of stations that includes the entrance station. Click Apply .

The answering stations will be displayed as rows, and the entrance stations will be listed in the columns. Find the column for the door and entrance stations. Replace the default number under <u>Door Release Key</u> with the desired number.

Repeat these steps for all stations and click Save .

Unit Number	Unit Name	Door Release		
		Door Release Assignment		
		1000 / 10000 / Front Entrance / IXG-DM7(-*)		
		Contact Assignmen	Door Release Key	
1001	Commercial1001	Destination Station	9	
1002	Residential1002	Destination Station	9	
1003	Outside Area 1003	Destination Station	9	

Navigate to **Option Input / Relay Output**, <u>Relay Output</u> on the side menu. Scroll right and find the <u>Door Release Key</u> column. Replace the key for the desired door and entrance stations and click Save .

			Relay Output	
Building Nu	Unit Number	Station Name	Relay Output 1 (Output Tin	
			Door Release Key	
01	1000	Entrance Station1	855585293920049745588
01	1001	Master Station1	62098581848829485359
01	1002	Guard Station1	44013452724667605806
01	1003	Video Door Station1	9
01	1004	Tenant Station1	88950927556786148848

Updating Firmware

To integrate with Genetec software, the entrance stations' firmware will need to be up to date. To check the current firmware version of the stations, select **Connection(S)**, Station Search on the top menu. A station search will begin automatically. Click Cancel after 5 seconds. The current firmware version will be displayed to the right.

Check the latest firmware versions at www.aiphone.com/kbtopic/firmware-ix-ixg. Download and extract the newest version of the IXG-DM7-HIDA firmware. If there are multiple options, choose the one labeled "Enhanced."

If the HID® reader in the entrance station is being used, also download the sub-firmware.

Navigate to **Maintenance**, Firmware Update on the side menu. For each type of station to be updated, click Browse to locate the firmware package on the PC.

Select all stations that will have their firmware updated and click Update . This process will take several minutes, and the stations will reboot.

> ℹ️ *Do not interrupt a firmware update once it has begun, including unplugging the station. Doing so can damage the station. A notification window will appear when all firmware updates are complete.*

> ℹ️ *In order to update an IXG-DM7-HIDA's sub-firmware, the built-in card reader's Wiegand connection must be connected to an access control panel.*

Upload Settings

To upload settings to the stations, navigate to **Connection(S)**, Upload Settings on the top menu.

Select each station by placing a check mark next to it, or click Select to select all stations at once. Click Settings to upload station settings. This will apply all settings to the stations.

> ℹ️ *If a station upload fails, make sure that the programming PC is in the same IP range as the stations.*

Exporting System Configuration

Once the Upload is complete, select **File(F)**, Export System Configuration from the top menu. Click Export to save as a backup. This will create a folder with the name of the configuration. **This entire folder is necessary to import the site information into IXG Support Tool.** If the configuration needs to be emailed, compress it first.