

IX Series Integration with Lenel®

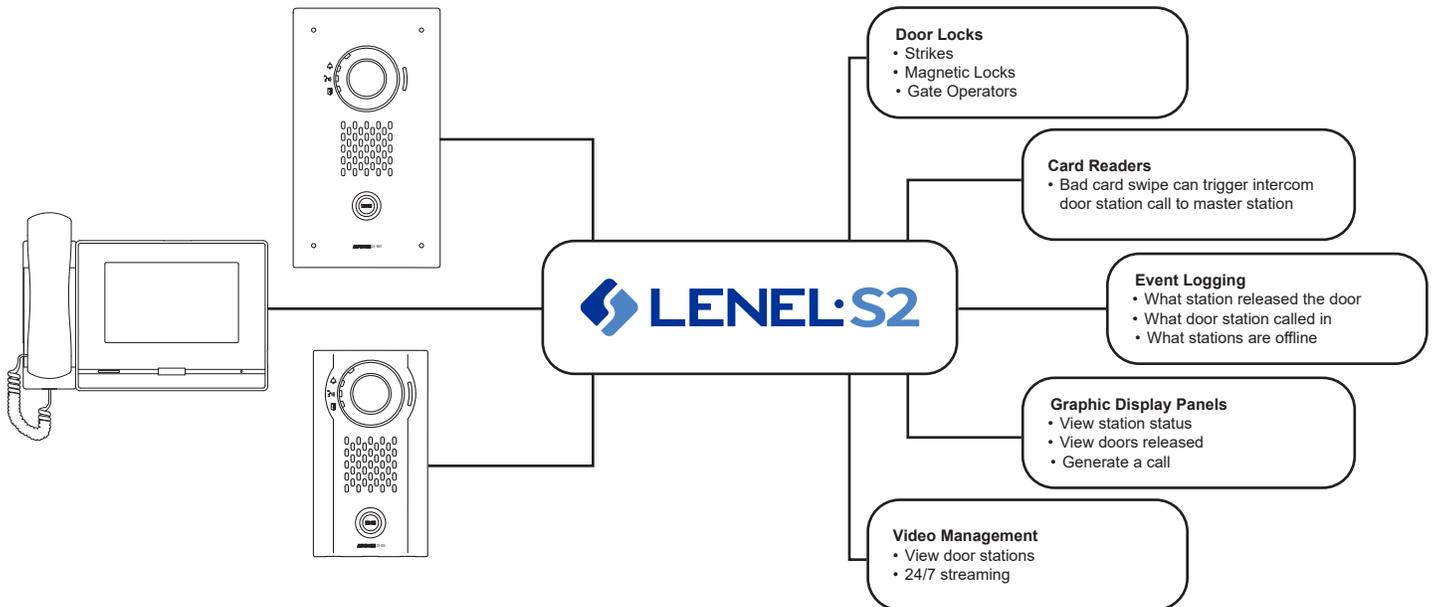
Tested Version: OnGuard v7.6

Compatible Stations: IX-MV7-*, IX-DA, IX-DV, IX-DVF-*

Aiphone Firmware Requirement: v6.0 or newer

Getting Started

This integration allows the IX Series stations to be viewed and interact with the Lenel OnGuard platform. This allows for releasing doors, working with card readers, viewing on graphic display panels, and event logging. This document will cover which type of station events can trigger activities within OnGuard and how to configure the IX Series stations to send those events.



Mapped Events

Mapped events are default events that are built into the Lenel OnGuard intercom module, such as:

- **Call established** (calls started between a door stations and a master stations)
- **Call retrieved** (calls that have been answered at a master station)
- **Call ended** (calls that have been terminated at a master station)
- **Unanswered call** (calls from door stations that go unanswered)
- **Relay contact activated** (door station dry contact relay activated)
- **Relay contact deactivated** (door station dry contact relay deactivated)

Generic Events

Generic events are individual events that can be individually tracked by the Lenel OnGuard user, such as:

Calls

- Begin call (normal, priority, urgent)
- Call canceled by operator (calls canceled from OnGuard alarm monitoring by user)
- Transfer call (begin transfer, end transfer)

Paging

- Begin broadcast (normal, urgent)
- End broadcast

Door Release

- Door release
- Change contact - Output status = true (door release contact is active)
- Change contact - Output status = false (door release contact is inactive)

Optional Input (secondary trigger input on the door station allowing for a call to be placed)

- Change contact - Input status = true (input activated with preset priority level)
- Change contact - Input status = false (input deactivated)

Health Check

- Initialization notice (station initialized)
- Periodical transmission (heartbeat)
- Communication error (notice)
- Communication error (error cleared)

For more details about the features and information above, please contact Technical Support.

Status Tree and Map View

- Standby - Idle
- Queued - Station is calling
- Connected - Station is in communication
- "X" in status tree / "Offline" in map view - Station is offline

Place / Cancel calls from within OnGuard

OnGuard can place or cancel "normal" or "priority" calls from door stations. In Map View or from the Status Tree, right click on the station and select "Place Call" or "Cancel Call".

- Users can place calls from a door station to one or more master stations
- Users can place calls from a master station to one or more master stations
- Users can use "Call Intercom" feature to place a door station call to a previously configured master station.

Video

OnGuard can view and record video from any IX Series video door station (MJPEG, H.264 formats).

- Activate camera output relay
- Deactivate camera output relay

Setup Overview for IX Series Stations with OnGuard

The following must be completed before the IX Series system will communicate with OnGuard.

- Configure all stations properly per IX Support Tool Setting Manual or IX Series Quick Start Guide included with the IX Series master station.
- Configure SIF settings for each IX Series station using the IX Support Tool.
- Create and upload the `sif_conf.ini` files to each IX Series station using the IX Support Tool.
- Ensure the Lenel Add-on is installed properly and included files are correctly configured.

The setup instructions that follow are specific to configuring SIF settings, creating the `sif_conf.ini` file and uploading them to the IX Series stations. Refer to the IX Support Tool Setting Manual for complete setup information on the IX stations. Refer to the documentation provided with Lenel OnGuard for complete setup information on this product.

Creating the `sif_conf.ini` File

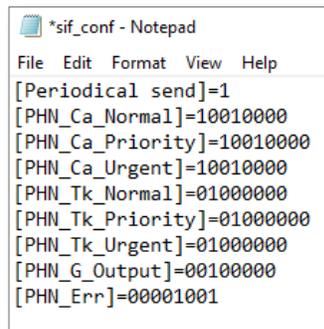
The `sif_conf.ini` file will tell the IX Series station what information to send to OnGuard. Create the file using a text editor program (i.e. notepad) and save it with a `.ini` extension.

The setup instructions that follow are specific to configuring SIF settings, creating the `sif_conf.ini` file and uploading them to the IX Series stations. Refer to the IX Support Tool Setting Manual for complete setup information on the IX stations. Refer to the documentation provided with Lenel OnGuard for complete setup information on this product.

`sif_conf.ini` file

The `sif_conf.ini` file must contain the following:

```
[Periodical send]=1
[PHN_Ca_Normal]=10010000
[PHN_Ca_Priority]=10010000
[PHN_Ca_Urgent]=10010000
[PHN_Tk_Normal]=01000000
[PHN_Tk_Priority]=01000000
[PHN_Tk_Urgent]=01000000
[PHN_G_Output]=00100000
[PHN_Err]=00001001
```



Note

The `.ini` extension must be typed manually and "All Files" must be selected in the **Save as Type** drop down before clicking save.

Save the text file with a `.ini` extension (to a location on the PC being used for programming the IX Series stations with the IX Support Tool. This file must be uploaded to each station associated with OnGuard using the instructions that follow.

Configuring SIF Settings

Open the IX Support Tool and login. From the left-hand side menu, expand **Function Settings** and select **SIF**. Each station communicating with OnGuard will need to have SIF Functionality enabled and specific settings applied as seen below:

- Program Type:** Range is between 0100 and 1111 (Binary only).
- IPv4:** IP Address for the PC running OnGuard.
- Destination Port:** Port number assigned when configuring OnGuard. This can be set in the range of 1 to 65535.
- SSL:** This must be set to **Disable**.

Additionally the **Transmission Trigger** section will need to be checked for each event from **Being Outgoing Call** to **End Outgoing Call**.

- Station Information
- Network Settings
- System Information
- Call Settings
- Option Input / Relay Output Settings
- Paging Settings
- Function Settings
 - Door Release
 - Network Camera Integration
 - Paging Settings
 - Bathroom Call
 - Email
 - CGI
 - SIF
 - Record
 - Communication Audio Message
 - Chime

Station Information				Function Settings							
Identification				SIF							
Number	Name	Location	Station Type	SIF Functionality	SIP URI Format	No.01					
						SIF Settings					
						Program Type	IPv4	IPv6	Destination Port	SSL	Connection
0001	Master Station1		IX-MV7-*	Enable	Disable	0100	192.168.1.100		25000	Disable	Socket
0002	Master Station1		IX-MV7-*	Enable	Disable	0100	192.168.1.100		25000	Disable	Socket
0003	Video Station1		IX-DV, IX-DVF(-*)	Enable	Disable	0100	192.168.1.100		25000	Disable	Socket

No.01				
Transmission Trigger				
Begin Outgoing Call	Begin Communication (Source)	Door Release Indication	End Communication	End Outgoing Call
<input checked="" type="checkbox"/>				
<input checked="" type="checkbox"/>				
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Scroll Right

SIF

Expand Function Settings from the left hand side menu and select SIF.

SIF Settings

Enable SIF Functionality using the drop-down menu. Enter in values for Program Type, IPv4, Destination Port, and select Disable for SSL.

Transmission Trigger

Check the box for each transmission trigger that will be used with OnGuard from Begin Outgoing Call to End Outgoing Call.

Click **Update** to save the changes.

Uploading sif_conf.ini

Click the **Upload SIF File** button at the top of the screen. Once the Upload SIF File window has loaded, select **SIF Parameter Settings** as the file type to be uploaded to the IX Series stations. Browse to the location that the sif_conf.ini file was saved to using the **Browse** button, and select each station that will be communicating with OnGuard. Click the **Start Upload** button, this will start the SIF File upload process and may take a few minutes to complete.

[Move to Related Settings] [Related Settings]

Event View Selection: SIF Functionality Upload SIF File Download SIF File

on station, use below settings for SIF Settings.

No.01						
SIF Settings						Transmission Trigger
Program Type	IPv4	IPv6	Destination Port	SSL	Connection	Begin Outgoing Call
0100	192.168.1.100		25000	Disable	Socket	<input checked="" type="checkbox"/>
0100	192.168.1.100		25000	Disable	Socket	<input checked="" type="checkbox"/>
0100	192.168.1.100		25000	Disable	Socket	<input checked="" type="checkbox"/>

Upload SIF File

Select file(s) to upload

SIF Communication Settings (sif.ini)

SIF Parameter Settings (sif_conf.ini)

Select Station(s) by type:

C:\Users\coddy\Desktop\sif_conf.ini Browse

Select	Number	Name	Location	Station Type	Status
<input checked="" type="checkbox"/>	0001	Master Station1		IX-MV7-*	-
<input checked="" type="checkbox"/>	0002	Master Station1		IX-MV7-*	-
<input checked="" type="checkbox"/>	0003	Video Station1		IX-DV, IX-DVF(-*)	-

Text in red are required settings.

Select Station by Type: All Select Unselect

Start Upload

For more details about the features and information above, please contact Technical Support.

Uploading Setting to Stations

After the settings have been configured in the IX Support Tool, they must be uploaded to the IX Series Stations. To do that click **File(F)** from the top menu bar, and select **Upload Settings to Station**.

Station List					
Select	Number	Name	Location	Station Type	Status
<input checked="" type="checkbox"/>	0001	Master Station1		IX-MV7-*	-
<input checked="" type="checkbox"/>	0002	Master Station1		IX-MV7-*	-
<input checked="" type="checkbox"/>	0003	Video Station1		IX-DV, IX-DVF(*)	-

Select Station by Type:

All

Select Stations
Use the drop-down menu under **Select Station by Type** and chose **All**, then click **Select**.

Settings
Click **Settings** to upload the configuration settings to each station.

Select file type to be uploaded