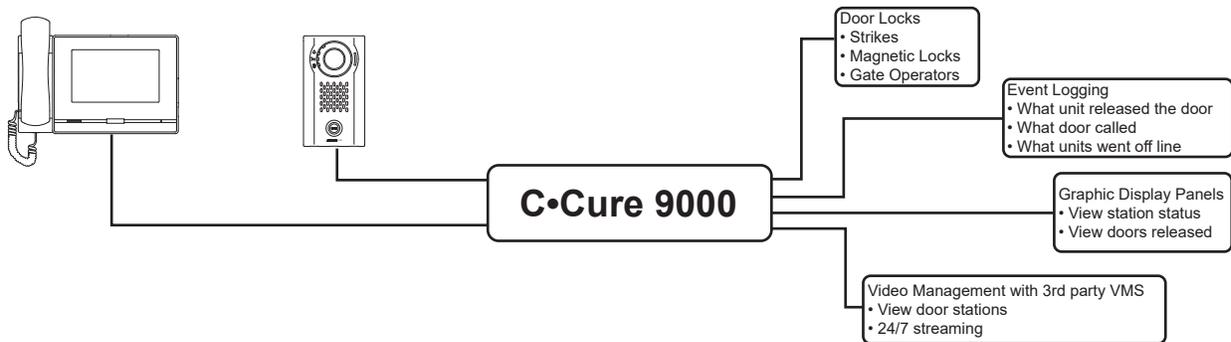


IX Series Integration with C•Cure® 9000

This integration allows the IX Series units to be viewed and utilized within the Software House® C•Cure® 9000 ver. 2.5, 2.6, 2.7, 2.8, 2.9, or 3.0 Access Control and Event Management platform. This makes event logging, visual display of device state, and triggering of external 3rd party functionality easier than ever. This document will cover what intercom events can trigger activities within C•Cure 9000 and how to enable the IX stations to send those events.

IX Series / Software House C•Cure 9000 diagram



Features

Device States and Events (which can be used to trigger 'Activities' within C•Cure 9000)

- Basic States
 - Offline (device has no connectivity with C•Cure 9000)
 - Online (device has connectivity with C•Cure 9000)
- Calling States/Events (indicates a call between IX stations, depending on priority level)
 - Normal Calling (Normal level call in process)
 - Priority Calling (Priority level call in process)
 - Urgent Calling (Urgent level call in process)
- Communication States (states indicating established communication between IX stations, based on priority level)
 - Normal Communicating (Normal level communication established)
 - Priority Communicating (Priority level communication established)
 - Urgent Communicating (Urgent level communication established)
 - End Communication (Active call or communication terminated)
- Broadcast States/Events (states indicating a Paging Broadcast initiated, based on priority level)
 - Normal Broadcast (Normal level paging broadcast initiated)
 - Urgent Broadcast (Urgent level paging broadcast initiated)
 - End Broadcast (Broadcast end)
- Transfer States/Events (indicates a transfer between IX stations, depending on priority level)
 - Normal Transfer (Normal level transfer in process)
 - Priority Transfer (Priority level transfer in process)
 - Urgent Transfer (Urgent level transfer in process)
 - End Transfer (Active transfer terminated)
- Door Release Indication (event triggering a source and destination of door release action)
- Contact Change Events (event triggered at any change of input or output state)
- Health Check Events
 - Initialization Notice (IX station reporting boot up complete)
 - Communication Failure (IX station reporting an error condition)

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

States/Events			
Offline	InitializationNotice	NormalCall	EndBroadcast
Online	NormalCommunicating	PriorityCall	NormalTransfer
CommFail	PriorityCommunicating	UrgentCall	PriorityTransfer
ContactChange	UrgentCommunicating	NormalBroadcast	UrgentTransfer
DoorReleaseIndication	EndCommunication	UrgentBroadcast	EndTransfer

Map View

- The IX Series integration allows any pre-configured map within the C•Cure 9000 to display intercom icons which can reflect the real-time status of any IX station, based on the device states listed above.
- Icons can be customized by the installer on a station-by-station basis, allowing complete customization of the IX stations on the map.

Journal View

- All device events and state changes are indicated within the C•Cure 9000 Journal for real-time visibility of activity without requiring a constant map display.
- All events and state changes are logged within the C•Cure 9000 Audit Log for complete traceability of all system activity.

Setup for IX Stations with C•Cure 9000

The following must be completed before the IX Series system will communicate with C•Cure 9000:

- Configure all stations properly per IX Support Tool Setting Manual included with the IX Series master station.
- Create and upload SIF settings for each IX-DV, IX-SS, and IX-MV7 station using the IX Support Tool.
- Create and upload the sif.ini file to each IX-DA, IX-BA, and IX-MV station using IX Support Tool.
- Fill out the SIF table for all other IX Series stations using IX Support Tool
- Ensure the Aiphone IX C•Cure 9000 Add-on driver is installed properly and included files are correctly configured.

The setup instructions that follow are specific to creating the .ini file and loading it 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 C•Cure 9000 for complete setup information on this product.

Setup for IX Stations

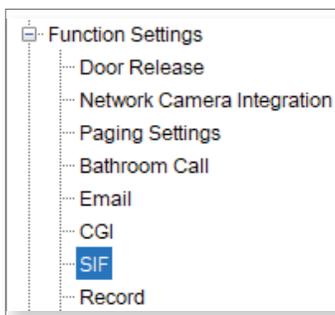
Creating SIF settings for IX stations

IX-DV, IX-SSA, IX-SS-2G, and IX-MV7 station will need to setup SIF events to communicate with the C•Cure 9000 system.

Important:
The intercom system must be fully programmed and operational prior to creating SIF settings.

1A. Log in to the IX Series system using the IX Support Tool and select Station View.

1B. Expand the **Function Settings** tree on the left and select **SIF**.



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

1C. Choose the station to be edited from the **Number** drop down menu then click the **Select** button.

Select Station to Edit

Type:	All	▼
Number:	0005	▼

Previous
Select
Next

1D. Select the **Enable** radio button for SIF Functionality.

•SIF

SIF Functionality	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable
SIP URI Format	<input type="radio"/> Enable	<input type="radio"/> Disable

Scroll down to **SIF Settings**. Enter in the SIF settings as shown below. The IPv4 or IPv6 address will be the address of the CCURE server.

#	Program Type 0000-1111	IPv4	IPv6	Destination Port	SSL	Connection
		1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)	::FF:0-FE:FF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname(1-64 alphanumeric characters)	1024-65535		
01	0010	192.168.1.100		10000	Disable	Socket
02						
03						

Scroll down to Transmission Trigger and select transmission triggers to send SIF events to the CCure 9000 server. (Only select transmission triggers that will be used as selecting every trigger will slow the system.)

Event	Transmission															
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
Begin Outgoing Call	<input checked="" type="checkbox"/>	<input type="checkbox"/>														
Begin Communication (Source)	<input checked="" type="checkbox"/>	<input type="checkbox"/>														
End Communication	<input checked="" type="checkbox"/>	<input type="checkbox"/>														
Change contact	<input checked="" type="checkbox"/>	<input type="checkbox"/>														
Unit error	<input checked="" type="checkbox"/>	<input type="checkbox"/>														
Periodical Transmission	<input checked="" type="checkbox"/>	<input type="checkbox"/>														
Initialization Notice	<input checked="" type="checkbox"/>	<input type="checkbox"/>														
End Outgoing Call	<input checked="" type="checkbox"/>	<input type="checkbox"/>														
Begin Incoming Call	<input checked="" type="checkbox"/>	<input type="checkbox"/>														
End Incoming Call	<input checked="" type="checkbox"/>	<input type="checkbox"/>														
Latch Reset	<input checked="" type="checkbox"/>	<input type="checkbox"/>														
Change Call Destination	<input checked="" type="checkbox"/>	<input type="checkbox"/>														
Call Failure	<input checked="" type="checkbox"/>	<input type="checkbox"/>														
Begin Incoming Page	<input checked="" type="checkbox"/>	<input type="checkbox"/>														

1E. Click **Update** to save the changes for the station then repeat the process for each station that will be associated with C•Cure 9000.



F. Upload settings to the IX stations (*shown on page 5*)

Creating SIF file (For IX-DA, IX-BA, and IX-MV only)

For the IX-DA, IX-BA, and IX-MV stations to communicate with C•Cure 9000, a sif.ini text file must be created and loaded to each station. The sif.ini file will tell these stations where to communicate (i.e. PC with C•Cure 9000).

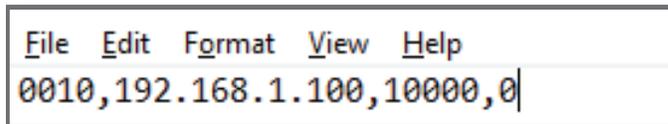
Note: If the system does not include an IX-DA, IX-BA, or IX-MV station, skip this section and proceed to Upload Settings to Stations on page 5.

Create the file using a text editor program (i.e. Notepad) and save it with a .ini extension. This text file content will vary depending on your settings.

sif.ini file

- Program Type:** Range is between 0010 and 1111 (Binary).
- Destination Address:** IP address for the PC running C-Cure 9000.
- Destination Port:** Port number used to communicate with C-Cure 9000. The default port is 10000
- SSL Y/N :** 0 for non SSL transmission.

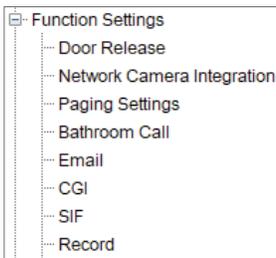
Example Text File: 0010,192.168.1.100,10000,0



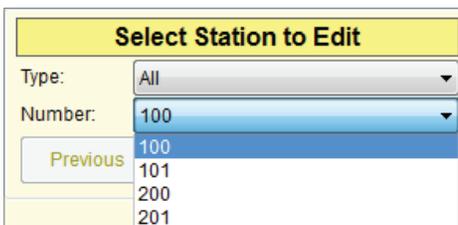
Save the text file with a .ini extension (.ini must be typed manually) to a location on the PC being used for programming the IX Series stations. This file must be uploaded to each device associated with C-Cure 9000 using the instructions that follow.

Uploading SIF file (For IX-DA, IX-BA, and IX-MV only)

- 2A.** Log in to the IX Series system using the IX Support Tool and select Station View.
- 2B.** Expand the **Function Settings** tree on the left and select **SIF**.



- 2C.** Choose the station to be edited from the **Number** drop down menu then click the **Select** button.



Uploading SIF file (For IX-DA, IX-BA, and IX-MV only)

2D. Select the **Enable** radio button for SIF Integration.

Scroll down to SIF File Management. Click **Browse** under SIF Communication Settings to browse to where the `sif.ini` file is saved and click **Upload** to send to station.

2E. Click **Update** to save the changes for the station then repeat the process for each station that will be associated with C•Cure 9000.



Upload Settings to Stations

F. After completing steps C, D, and E for each station, upload the changes. Click **File, Upload Settings to Station**. Select the stations to upload to and click **Settings**.

Select	Number	Name	Location	Station Type	Status
<input checked="" type="checkbox"/>	0001	Shipping Office		IX-MV7-*	-
<input checked="" type="checkbox"/>	0002	Gate Upper Entry		IX-DV, IX-DVF(-*)	-
<input checked="" type="checkbox"/>	0003	Gate Lower Entry		IX-DV, IX-DVF(-*)	-
<input checked="" type="checkbox"/>	0004	Gate Upper Exit		IX-DV, IX-DVF(-*)	-
<input checked="" type="checkbox"/>	0005	Gate Lower Exit		IX-DV, IX-DVF(-*)	-

Upload the settings file to each station to be associated with C•Cure 9000.

! *The IX Support Tool or web browser interface can be used to upload the program file to each station. Loading via the IX Support Tool in Station View is shown in these instructions.*