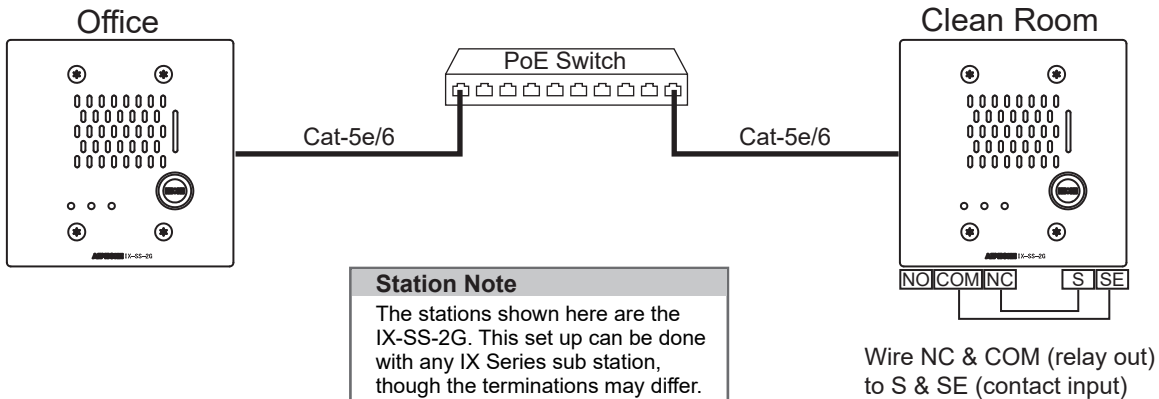# IX Series
Sub to Sub Communication with Auto-Answer

Getting Started

When an IX Series sub station calls another sub station, the call must be answered before communication can start. A sub station can be configured to automatically answer an incoming call from another sub station using its relay output and option input.

Wiring Diagram

Office

Clean Room

PoE Switch

Cat-5e/6   Cat-5e/6

Station Note

The stations shown here are the IX-SS-2G. This set up can be done with any IX Series sub station, though the terminations may differ.

NO | COM | NC   S | SE

Wire NC & COM (relay out)
to S & SE (contact input)

Support Tool Settings

The following steps will be done using the IX Support Tool software. For additional information on the general programming process, please refer to the IX Quickstart Programming Guide.

Call Settings - Called Stations

The sub stations will need to be set to call to each other initially. To do this, expand **Call Settings** and select **Called Stations (Door/Sub Stations)**. For each sub station, use the drop-down menu to select **U** under the other station's column.
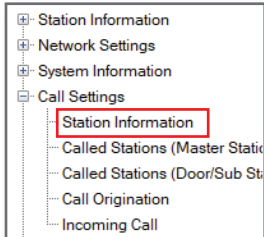

Click **Update** to save the changes.

For more details about the features and information above, please contact Technical Support.
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Call Settings - Station Information

The call button on the IX Series sub stations is used for multiple functions when calling and communicating with other sub stations. To set this, click on **Station Information**, then change the Call Button Function drop-down from **Call to Call, Answer Call, End Communication** for each sub station.

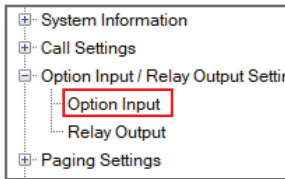| Station Information					Call Settings
Identification					Station Information
Number	Name		Location	Station Type	Call Button Function
100	Office			IX-SS-2G	Call, Answer Call, End Communication
200	Clean Room			IX-SS-2G	Call, Answer Call, End Communication
					Call
					Call, Cancel Call, End Communication
					Call, Answer Call, End Communication

Ending Communication
Communications will automatically time out after 60 seconds (default). this setting will let the user manually end communications.

Click **Update** to save the changes.

Option Input/Relay Output Settings - Option Input

The substations will use an Option Input to answer the incoming call. Expand **Option Input / Relay Output Settings** and click on **Option Input**. Set the **Function** drop-down for any substation requiring the auto-answer function to **Answer Call / Page** and the **Type** drop-down to **Break**.
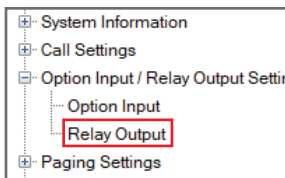

Station Information				Option Input / Relay Output Settings		
Identification				Option Input		
				Option Input 1		
Number	Name	Location	Station Type	Name	Function	Type
100	Office		IX-SS-2G		Call	Make
200	Clean Room		IX-SS-2G		Answer Call / Page	Break

Click **Update** to save the changes.

Option Input/Relay Output Settings - Relay Output

The Relay Output of the substation requiring the auto-answer functionality will be utilized to trigger the Option Input configured in the previous step. Click on **Relay Output** and change the **Function** drop-down to **Status Output**. Check the box under **Incoming Call, Normal.**

Station Information				Option Input / Relay Output Settings						
Identification				Relay Output						
				Relay Output 1		Status Output 1				
						Outgoing Call			Incoming Call	
Number	Name	Location	Station Type	Name	Function	Normal	Priority	Urgent	Normal	Priority
100	Office		IX-SS-2G		Door Release	☐	☐	☐	☐	☐
200	Clean Room		IX-SS-2G		Status Output	☐	☐	☐	☑	☐

Click **Update** to save the changes.

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Upload Settings to Stations

Changes made in the previous steps will need to be uploaded to the IX Series stations to take effect. In the top menu, click on **File(F)** and select **Upload Settings to Station**. Select the stations to upload to or choose All in the **Select Station by Type** drop-down menu and click `Select`, then click `Settings` to begin the upload.

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