# ⚡ AIPHONE®

APPLICATION NOTE

IX Series
Connecting a Door Station to an External Call Button/Sensor

The IX Series door stations (IX-DA, IX-BA) include a contact input that can be tied to a 3rd party dry contact switch (motion sensor, pressure plate, ADA button, etc.). The external switch can trigger a call from the door station to the same master(s) or different master(s) than the standard call button.

Wiring

PoE Switch

CAT5e / CAT6

IX-MV

Red
Brown

Dry Contact Switch

IX-DA/IX-BA
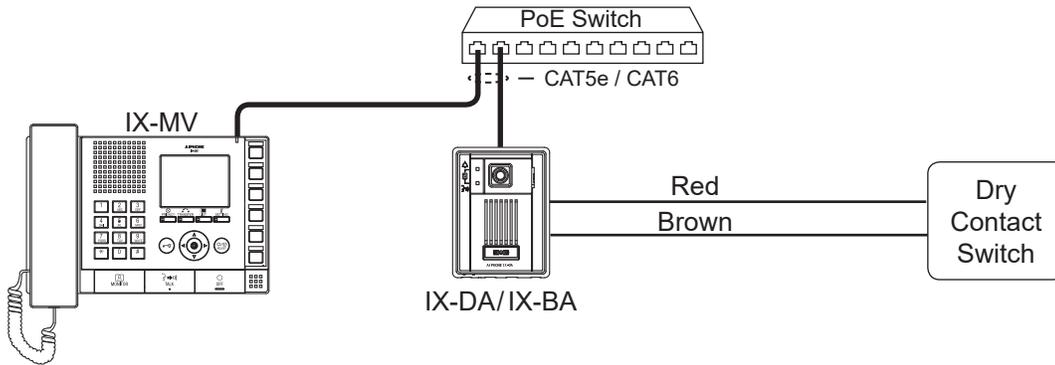
Programming

The contact input must be enabled to function. This can be done using the IX Support Tool or by logging into the door station using a web browser. This guide will show the process using the IX Support Tool.

Step 1: Enabling the Contact Input

Open the IX Support Tool and select the system to be modified.
Expand the ① **Contact/Audio Output Settings** tree from the menu on the left and select ② **Contact Input**.
③ Use the drop down under "Usage" and select **Call** for the appropriate station.
Click the ⏵ Update button to save changes.

① Contact / Audio Output Settings
② Contact Input
Output Specifications

#	Station Information				Contact / Audio Output Settings		
	Identification				Contact Input		
					Contact Input Specifications		
	Number	Name	Location	Type	Type	Detection time [msec]	Usage
001	100	Office		Master Station	Make	200	
002	200	Scale		Video Door Station	Make	200	③
							Call

Step 2: Opening Door Station Group List

A door station group will need to be created in order for the contact input to be able to call the master(s).
Expand ① **Function Settings** from the menu on the left and select ② **Contact Input Call**.
Click on the ③ **Open Door Station Group List** button at the top of the page.

① Function Settings
Door Release Settings
② Contact Input Call
Paging Settings
Paging Output Setting
Network Camera Integration

Open Master Station Group List   ③ Open Door Station Group List   Open Station Ringtone Settings

#	Identification				Function Settings		
					Contact Input Call		
					Door Station Call Group Assignment		Call Acknowledged Settings
					1		
	Number	Name	Location	Type	Group Number	Priority	Ringback Tone
001	100	Office		Master Station			
002	200	Scale		Video Door Station	01	Normal	Call pattern 2

For more details about the features and information above, please contact Technical Support.
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Programming (cont.)

Step 3: Creating Door Station Group

Once in the door station group list, ① scroll right to the appropriate door station and use the drop down to ② select "U" for Unicast for each master station this door needs to call when the contact input is triggered. It is recommended that Group D01 is programmed.
Press the ⊡Update button to save changes.

Step 4: Assigning the call priority level for the Contact Input

Select ① **Contact Input Call** again from the menu on the left. Using the drop down under ② Group Number, select the group that was created in the previous step. Using the drop down under ③ **Priority**, select the priority level at which the contact input is to place a call.
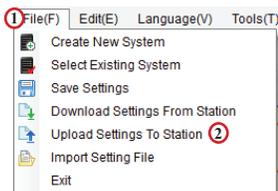Press the ⊡Update button to save changes.

Step 5: Uploading Settings to Station(s)

Click ① **File** then ② **Upload Settings to Station**. ③ Check the box beside the door station(s) that was edited, then click ⬚Start Upload . Check the Status column for success/failure of settings upload.

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