

IX-DVF-HW

IX Series Video Door station with Hand Wave Call Button and Surface Mount Box

-INSTRUCTIONS-

IX-DVF-HW includes a video door station with a built-in touchless switch, a PS-POE, and an SBX-IDVFRA surface mount box. The IX-DVF-HW operates like a standard IX-DVF with the added ability to place a call to the programmed station without having to touch the call button. The touchless switch utilizes the first contact input on the door station. The contact input will need to be programmed and assigned to the same calling group as the call button. Program the IX-DVF-HW as an IX-DVF. Refer to the IX Series Quick Start Programming Guide for details. This manual will show how to install and program the door station for contact input calling.

Wiring

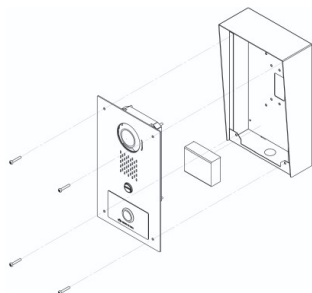
A PoE+ switch is required when using the IX-DVF-HW. Connect a network cable from the PoE+ switch to LAN 1 of the IX Series door station. LAN 2 connects to the included PS-POE. Connect the power output of the PS-POE to the red (+VDC) and black (Gnd) wires of the touchless switch. The green (N/O) and yellow (Common) wires of the touchless switch will already be connected to the brown and blue wires of the CN2 connector. The white (N/C) wire is not used.

Package Contents

Qty 1 Video door station with touchless sensor
Qty 1 PS-POE
Qty 1 SBX-IDVFRA surface mount box
Qty 4 speed nuts for panel mounting
Qty 4 screws for panel mounting
Qty 1 One foot patch cable

Installation

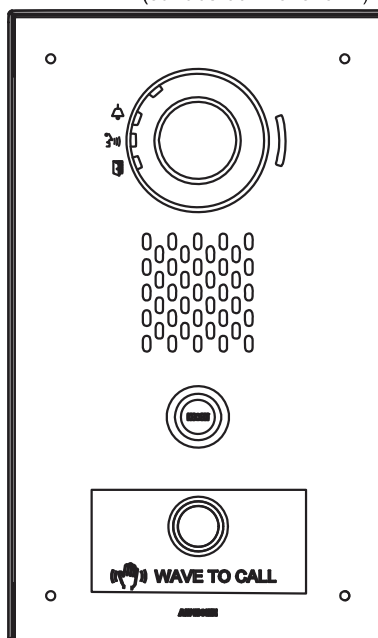
1. Secure the SBX-IDVFRA to wall
2. Connect the supplied patch cable, power wires, and a ground wire to PS-POE and place unit inside the SBX-IDVFRA at the bottom so that it does not interfere with securing the station
3. Attach speed nuts to tabs on the SBX-IDVFRA, then connect ground wire from PS-POE to one of the four screws used to secure IX-DVF-HW to the SBX-IDVFRA
4. Plug in CN2 connector and connect network cable to the station
5. Secure station to SBX-IDVFRA



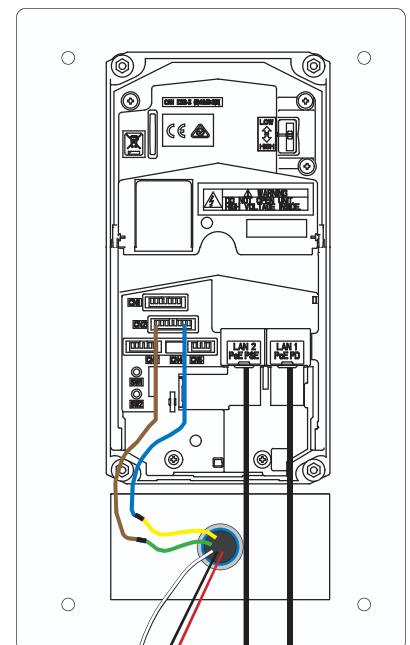
Specifications

Dimensions:
11-11/16" H x 7" W x 3-5/16" (top); 2-5/16" (bottom) D

IX-DVF-HW (surface box not shown)



Inside Back View



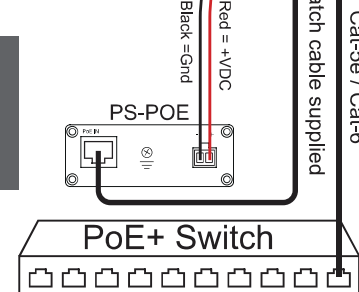
N.C. (not used)

Red = +VDC
Black = Gnd

Patch cable supplied
Cat-5e / Cat-6



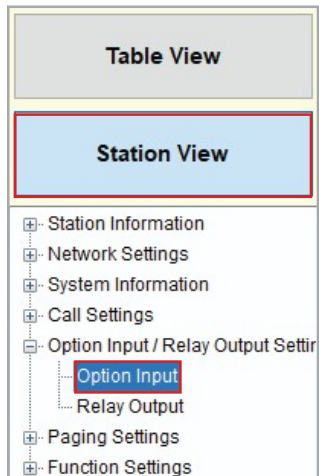
If a PoE passthrough is not available, connect the PS-POE directly to the PoE switch



Programming

Enabling Door Station Option Input

The first step is to enable contact input 1 on the IX-DVF-HW, as this is connected to the touchless switch. Open IX Support Tool and select the system to edit. In the upper left corner of the screen click **Station View** to switch from **Table View** to **Station View**.



1.1 - Option Input

Expand **Option Input / Relay Output Settings** and click **Option Input**.

Station Number:	201
Station Name:	IX-DV - Front Door
Location:	
Station Type:	IX-DV, IX-DVF(-*)

Select Station to Edit	
Type:	All
Number:	201
Previous	Select
	Next

1.2 - Select a Station

Use the drop-down menu or click **Next** to choose the station number of the door station to be configured. Click **Select**.

•Option Input

Option Input #	Option Input 1	When using IX-DVF-2RA or IX-DVF-RA, change detection type to "B"
Name	Touchless Switch	1-24 alphanumeric characters (*) Certain characters may not be displayed
Function	☐ No Function ☒ Call (*) Customize Call in "Call Settings". ☐ Answer Call / Page ☐ Paging (*) Customize Page in "Paging Settings". ☐ Message Page (*) Customize Message Page in "Paging Settings". ☐ External Input Page (*) Customize Page in "Paging Settings". (*) Only one Option Input can be set for External Input Page. ☐ Turn LCD On ☐ Relay Latch Reset ☐ Bathroom Indicator Reset ☐ API	
Type	☒ Make ☐ Break	
Detection Time Range	☒ 0 (Immediate) ☐ 200-2000 [msec] ☐ 3-600 [sec]	

1.3 - Option Input / Name

Select **Option Input 1** using the drop-down menu and assign a **Name**.

1.4 - Choose a Function

Select **Call** for this option input.

1.5 - Contact Settings

Select **Make** for the **Type** and **0 (Immediate)** for the **Detection Time Range**.

Click **Update** to save your settings. 

Door Station Option Input Call

The next step is to assign a call group to the trigger input. The call group for the trigger input will be the same group assigned to the call button.

- Station Information
- Network Settings
- System Information
- Call Settings
 - Station Information
 - Called Stations (Master Station)
 - Called Stations (Door/Sub Station)
 - Call Origination**
 - Incoming Call
- Option Input / Relay Output Settings
- Paging Settings
- Function Settings
- Transfer Settings
- Station Settings
- Maintenance

2.1 - Call Origination

Expand **Call Settings** and click **Call Origination**.

Station Number:	201
Station Name:	IX-DV - Front Door
Location:	
Station Type:	IX-DV, IX-DVF(-*)

Select Station to Edit

Type: All

Number: 201

Previous
Select
Next

2.2 - Select a Station

Use the drop-down menu to choose the station number of the door station to be configured and click **Select**.

Call Origination

Call Button / Option Input # Option Input 1

Call Method

- ☒ Standard Destination
- ☐ Change Destination by Time Delay
- ☐ Change Destination by Schedule

Ringback Tone None

Call Timeout 10-600 sec 60 sec

Ringback Tone Count [time(s)] Infinite

Call Destination	Call Destination 01-99 Open	Priority
Standard Mode Settings	Call Destination 01	Priority Normal

2.3 - Select an Input

Use the drop-down menu and select **Option Input 1**.

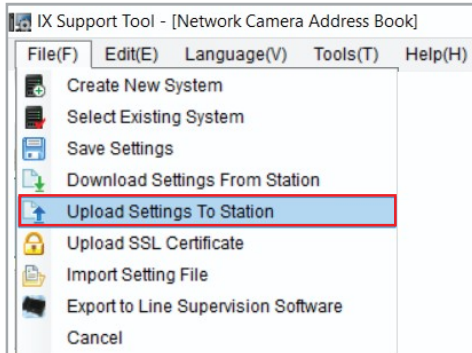
2.4 - Select a Destination

Click **Open** under **Call Destination** and select group **01**. Use the **Priority** drop-down menu to select the calling priority.

Click **Update** to save your settings. Update

Uploading Settings to Stations

The final step is to upload all updated settings from Support Tool to the door station.



3.1 - Upload Settings to Station

From the menu bar select **File** then **Upload Settings To Station**

Setting File Upload

Select the station(s) to upload the Setting File(s):

Station List Text in red are required settings.					
Select	Number	Name	Location	Station Type	Status
☒	101	Front Desk		IX-MV7-*	- Success
☐	102	Security Desk		IX-MV7-*	- Success
☐	201	IX-DV - Front Door		IX-DV, IX-DVF(-*)	- Success
☐	202	IX-DVF-2RA - Parking Lot		IX-DV, IX-DVF(-*)	- Success
☐	203	IX-SS-2G - Employee Door		IX-SS-2G	- Success
☐	204	IX-SS-2G - Side Entrance		IX-SS-2G	- Success
☐	301	IX-RS - Hallway Station		IX-RS-*	- Success

Select Station by Type:

All

Select

Unselect

Select file type to be uploaded

Settings

Sounds

Image

Schedule

3.2 - Select Stations

Click **Select** to check all stations in the system or select just the door station that was changed.

3.3 - Upload Settings

Click **Settings** to begin the upload process.

3.4 - Confirm Status

Using the **Status** column, confirm that each station has successfully been updated with the new setting file.