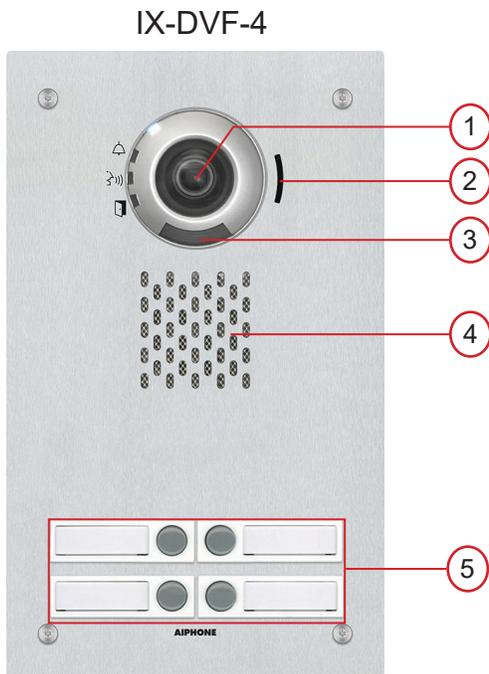


IX-DVF-4

IX Series Video Door Station with 4 Call Buttons

-INSTALLATION AND PROGRAMMING GUIDE-

The IX-DVF-4 is an IX Series video door station with 4 call buttons for selective calling to IX-MV7 or IX-MV master stations. The IX-DVF-4 will connect to a network switch, and the call buttons are connected to the first 4 contact inputs on the station. These inputs will be programmed to selectively call different master stations, or groups of master stations.



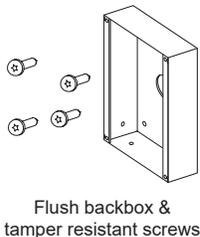
NAMES & FUNCTIONS:

1. Camera
2. Microphone
3. White LED for night viewing
4. Speaker
5. Call buttons with integrated name placard

FEATURES:

- IP video door station
- 4 call buttons for selective calling to master stations
- 4 name placards
- Stainless steel faceplate with tamper resistant screws

PACKAGE CONTENTS:



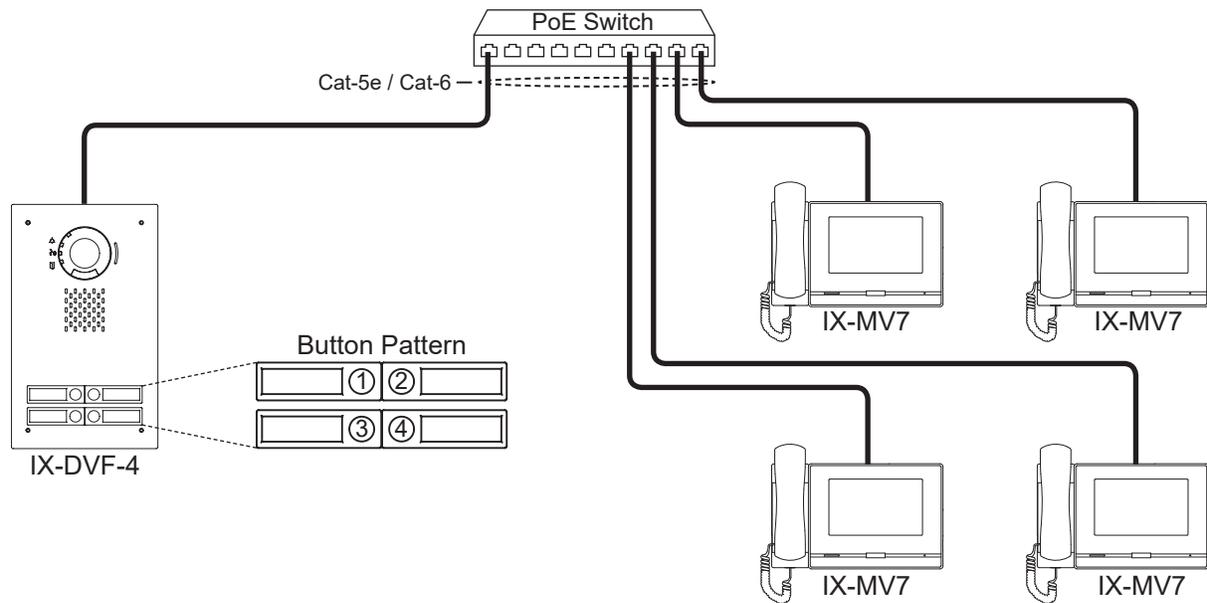
INSTALLATION:

- For flush mounting, cut a hole in the wall and use the supplied back box.
Box dimensions are: 10-1/2" H x 5-13/16" W x 2-3/8" D
- For surface mounting, use the SBX-IDVFRA surface mount box. This box can mount to a standard 1 gang box or to any flat surface.

Note:

When installing the IX-DVF-4 in the supplied back box, the call button assembly may come loose. Push call button assembly back in to position as necessary.

WIRING DIAGRAM:



SPECIFICATIONS:

Camera unit:	1/3" color CMOS 1.2 megapixel
Min. illumination:	5 Lux
Terminations:	RJ45
Operating Temp:	-40° ~ 140°F / -40° ~ 60°C
Wiring Distance:	328' with CAT-5e/6 cable to switch
Dimensions:	11- ³ / ₄ " H x 7" W
w/SBX-IDVFRA:	11- ¹¹ / ₁₆ " H x 7" W x 3- ⁵ / ₁₆ " D (top), 2- ⁵ / ₁₆ " D (bottom)

FCC WARNING:

This device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference that may cause undesired operation.
 - For proper regulatory compliance, the drain wire should be disconnected at the power supply end of the cable.
 - Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Programming

This programming guide will cover how to program an IX-DVF-4 door station and four IX-MV7 master stations. The call buttons on the IX-DVF-4 are wired to the first 4 contact inputs on the station for placing selective calls. The door station and the associated IX-MV7 master stations will need to be programmed using IX Support Tool.

Support Tool: Create New System - Step 1

Open the IX Support Tool and click **File, Create New System**.

Step 1A

Enter a System Name

Step 1B

Select the **No** radio button under Wizard Programming

Step 1C

Enter station quantities

Step 1D

Click Finish

Support Tool: Station Identification - Step 2

Support Tool will open in Table View to **Station Information, Identification**.

Step 2B

Click Update to save changes.

Step 2A

Enter a unique Number and Name for each station.

#	Number	Name	Location	Station Type
0001	101	Tenant 1		IX-MV7-*
0002	102	Tenant 2		IX-MV7-*
0003	103	Tenant 3		IX-MV7-*
0004	104	Tenant 4		IX-MV7-*
0005	200	Front Door		IX-DV, IX-DVF(-*)
0006				

Support Tool: IP Address - Step 3 (Table View)

IP Addresses can be entered manually for each station or can be assigned in a batch. This guide will show how to assign via batch configuration.

Step 3A

Under Network Settings, Click IP Address

Step 3B

Click Batch IP Address Configuration

#	Number	Name	Location	Station Type	IP Address	IP Version	Static / DHC
0001	101	Tenant 1		IX-MV7-*		IPv4	Static
0002	102	Tenant 2		IX-MV7-*		IPv4	Static
0003	103	Tenant 3		IX-MV7-*		IPv4	Static
0004	104	Tenant 4		IX-MV7-*		IPv4	Static
0005	200	Front Door		IX-DV, IX-DVF(-*)		IPv4	Static

Support Tool: IP Address - Step 3 (continued)

Step 3C

Enter a starting IP address and subnet mask

Step 3D

Check the box beside each station or click the Select button

Step 3E

Click **Ok** in the Batch IP Address window then click **Ok** when the Pop-up appears

Batch IP Address Configuration

Enter starting IP address (IPv4 or IPv6) and subnet mask

IPv4 Address: . . . IPv6 Address:

Subnet Mask: . . .

Select stations for batch IP address assignment:

Station List						
Select	Number	Name	Location	Station Type	IP Address (IPv4)	IP Address (IPv6)
<input checked="" type="checkbox"/>	101	Tenant 1		IX-MV7-*		
<input checked="" type="checkbox"/>	102	Tenant 2		IX-MV7-*		
<input checked="" type="checkbox"/>	103	Tenant 3		IX-MV7-*		
<input checked="" type="checkbox"/>	104	Tenant 4		IX-MV7-*		
<input checked="" type="checkbox"/>	200	Front Door		IX-DV, IX-DVF(-*)		

Select Station by Type: All Select Unselect OK Cancel

IX Support Tool ✕

? Select Station's IP Address will be batch configured. Continue?

OK Cancel

File(E) Edit(E) Language(L) Tools(T) Help(H) Press F1 (or Fn + F1) key after selecting an item to view detailed explanation.

AIPHONE IX Support Tool Update

Category: Video Station Station Type: IX-DV, IX-DVF(-*)

Table View Row Previous Next [Related Settings] Batch IP Address Configuration

Enter Number Display

Number of Notes: 1 1. Changing IP Address settings will cause station to restart after Update is clicked. This will take a few minutes.

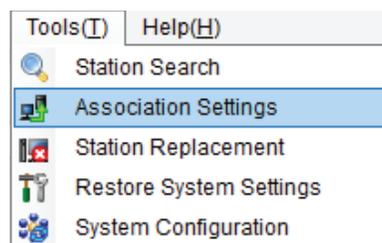
#	Station Information				Network Settings				IPv4 Address							
	Identification				IP Address				IP Address				Subnet Mask			
	Number	Name	Location	Station Type	Hostname	IP Version	Static / DHCP	1	2	3	4	1	2	3	4	
0001	101	Tenant 1		IX-MV7-*		IPv4	Static	192	168	1	10	255	255	255	0	
0002	102	Tenant 2		IX-MV7-*		IPv4	Static	192	168	1	11	255	255	255	0	
0003	103	Tenant 3		IX-MV7-*		IPv4	Static	192	168	1	12	255	255	255	0	
0004	104	Tenant 4		IX-MV7-*		IPv4	Static	192	168	1	13	255	255	255	0	
0005	200	Front Door		IX-DV, IX-DVF(-*)		IPv4	Static	192	168	1	14	255	255	255	0	

NOTE:

The IP Address for each station should be populated

Support Tool: Station Association - Step 4

The station name and IP address that were assigned in the previous steps will now need to be associated to each station in the system before any call settings can be uploaded. From the top menu bar, click **Tools(T)**, then click **Association Settings**.



Support Tool: Station Association - Step 4 (continued)

The first list (**Station Settings List**) will populate with the information based on what was entered in steps 1-3. The second list (**Station List**) will show what IX Support Tool found when it searched the network.

Step 4A
 Select the radio button for the first master in the Station Settings List and select the radio button for the first master in the Station List

Step 4B
 Click Apply

Step 4C
 A pop-up will state that the selected association will be applied and ask if you wish to continue. Click **Ok**.

Station Settings List

Select	Number	Name	Location	Station Type	Hostname	IP Address	Associated
<input checked="" type="radio"/>	101	Tenant 1		IX-MV7-*		192.168.1.10	-
<input type="radio"/>	102	Tenant 2		IX-MV7-*		192.168.1.11	-
<input type="radio"/>	103	Tenant 3		IX-MV7-*		192.168.1.12	-
<input type="radio"/>	104	Tenant 4		IX-MV7-*		192.168.1.13	-
<input type="radio"/>	200	Front Door		IX-DV, IX-DVF(-*)		192.168.1.14	-

Station List

Select	Number	Name	Location	Station Type	MAC address	Associated
<input checked="" type="radio"/>				IX-MV7-*	00:0B:AA:2F:02:1A	-
<input type="radio"/>				IX-MV7-*	00:0B:AA:2F:02:2D	-
<input type="radio"/>				IX-MV7-*	00:0B:AA:2F:01:AC	-
<input type="radio"/>				IX-MV7-*	00:0B:AA:2F:02:DB	-
<input type="radio"/>				IX-DV, IX-DVF(-*)	00:0B:AA:27:03:1A	-

Apply

IX Support Tool

? The selected association will be applied. Continue?
 If the IP Address has been changed, the station will be restarted.

OK
Cancel

The selected station will now restart with the IP address and station name assigned. Return to step 4A and repeat the process for the other stations ensuring that the same Station Type is being selected from each list. When done, scroll to the bottom of the page to see the 3rd list (**Associated Stations List**). This shows which IP Address was associated to which MAC Address.

Associated Stations List							
Select	Number	Name	Location	Station Type	IP Address	MAC address	Status
<input type="checkbox"/>	101	Tenant 1		IX-MV7-*	192.168.1.10	00:0B:AA:2F:02:1A	Success
<input type="checkbox"/>	102	Tenant 2		IX-MV7-*	192.168.1.11	00:0B:AA:2F:02:2D	Success
<input type="checkbox"/>	103	Tenant 3		IX-MV7-*	192.168.1.12	00:0B:AA:2F:01:AC	Success
<input type="checkbox"/>	104	Tenant 4		IX-MV7-*	192.168.1.13	00:0B:AA:2F:02:DB	Success
<input type="checkbox"/>	200	Front Door		IX-DV, IX-DVF(-*)	192.168.1.14	00:0B:AA:27:03:1A	Success

Support Tool: Option Input Function - Step 5 (Station View)

The IX-DVF-4 has 6 Option Inputs. The 4 call buttons are wired to the first 4 Option Inputs. These inputs will need to be programmed to place a call. Switch to station view by clicking the **Station View** button.

Station View button

The screenshot shows the AIPHONE IX Support Tool interface. The left sidebar contains a navigation menu with categories like Station Information, Network Settings, Call Settings, and Option Input / Relay Output Settings. The main area is titled 'Station View' and displays configuration details for a station (Station Number: 200, Station Name: Front Door, Location: Front Door, Station Type: IX-DV, IX-DVF(-*)). A 'Select Station to Edit' section allows choosing a station by Type and Number. The 'Option Input' section is expanded, showing a dropdown menu for 'Option Input #' with 'Option Input 1' selected. Below this, there are radio buttons for 'No Function', 'Call', 'Answer Call / Page', 'Paging', and 'Message Page'. A red note indicates that for IX-DVF-2RA or IX-DVF-RA, the detection type should be 'Break' for input 6. A 'Copy Settings' section is also visible on the right.

Step 5A

Under Option Input/Relay Output Settings, click Option Input.

Step 5B

Use the Number drop down under Select Station to Edit and choose the door station. Click Select and ensure that the door station is shown in upper left of the screen.

Step 5C

Use the drop down and select Option Input 1. Click the Call radio button.

IMPORTANT:

Repeat process for Option Input 2, 3, & 4.

Step 5D

Click Update to save changes.

Support Tool: Creating Door Station Groups - Step 6 (Station View)

The Option Inputs on the door station can be programmed to call groups. The groups will need to be created before the inputs can be assigned.

Step 6A
Under Call Settings, click Called Stations (Door/Sub)

IMPORTANT
Ensure that you are still viewing the door station

Step 6B
Use the drop down to select Group 01

Step 6C
Delete stations 2, 3, & 4 from Group 01 by clicking the appropriate delete buttons

Step 6D
Use the drop down to select Group 02

Step 6E
Click the Open button and select Tenant 2. Click OK.

Step 6F
Repeat 6D & 6E to assign Tenant 3 to Group 03 and Tenant 4 to Group 04

Step 6G
Click Update to save changes.

Support Tool: Assigning Groups - Step 7 (Station View)

Assign the groups created in step 6 to the option inputs.

Step 7A
Under Call Settings, click Call Origination

IMPORTANT
Ensure that you are still viewing the door station

Step 7B
Use the Call Button/Option Input # drop down and select Option Input 1

Step 7C
Use the Call Destination drop down and select group 01

Step 7D
Repeat 7B & 7C to assign Option Input 2 to Group 02, Option Input 3 to Group 03, Option Input 4 to Group 04

Step 7E
Click Update to save changes.

Support Tool: Upload Settings to Stations - Step 8

Step 8A
Click File, Upload Settings to Station

Select	Number	Name	Location	Station Type	Status
<input checked="" type="checkbox"/>	101	Tenant 1		IX-MV7-*	-
<input checked="" type="checkbox"/>	102	Tenant 2		IX-MV7-*	-
<input checked="" type="checkbox"/>	103	Tenant 3		IX-MV7-*	-
<input checked="" type="checkbox"/>	104	Tenant 4		IX-MV7-*	-
<input checked="" type="checkbox"/>	200	Front Door		IX-DV, IX-DVF(-*)	-

Step 8B
Check the box beside each station then click **Settings** under "Select file type to be uploaded"

Step 8C
You will be asked if you want to continue. Click OK.

Select	Number	Name	Location	Station Type	Status
<input checked="" type="checkbox"/>	101	Tenant 1		IX-MV7-*	Success
<input checked="" type="checkbox"/>	102	Tenant 2		IX-MV7-*	Success
<input checked="" type="checkbox"/>	103	Tenant 3		IX-MV7-*	Success
<input checked="" type="checkbox"/>	104	Tenant 4		IX-MV7-*	Success
<input checked="" type="checkbox"/>	200	Front Door		IX-DV, IX-DVF(-*)	Success

Step 8D
"Success" or "Failed" will display in the Status column. If a station displays Failed, select just that station and try the upload again.