

AIPHONE IX-DVF-10KP IP Video Door Station with Proximity Reader and Access Keypad



AIPHONE IX-DVF-10KP IP Video Door Station with Proximity Reader and Access Keypad Installation Guide

[Home](#) » [AIPHONE](#) » AIPHONE IX-DVF-10KP IP Video Door Station with Proximity Reader and Access Keypad Installation Guide 

Contents

- [1 AIPHONE IX-DVF-10KP IP Video Door Station with Proximity Reader and Access Keypad](#)
- [2 Specifications](#)
- [3 Names and Functions](#)
- [4 Features](#)
- [5 PACKAGE CONTENTS](#)
- [6 Installation](#)
- [7 Wiring Diagram](#)
- [8 Specifications](#)
- [9 Creating a New System](#)
- [10 Station Information](#)
- [11 Network Settings – IP Address](#)
- [12 Batch IP Address Configuration](#)
- [13 Association Settings](#)
- [14 Option Inputs](#)
- [15 Programming the Call Button](#)
- [16 Setting File Upload](#)
- [17 Documents / Resources](#)
 - [17.1 References](#)



AIPHONE IX-DVF-10KP IP Video Door Station with Proximity Reader and Access Keypad



Specifications

Door Station:

- Camera unit
- Min. illumination
- Terminations
- Operating Temp
- Wiring Distance
- Dimensions

w/ SBX-IXGDM7:

Proximity Reader w/ Access Keypad Supported Credentials: Aiphone
40-bit, HID, AWID, Pyramid Wiring: Wiegand Connection

FCC WARNING: This device complies with Part 15 of the FCC rules. could void the user's authority to operate the equipment.

Installation

For flush mounting, recess the supplied back box into the wall, then attach the mounting bracket using the four provided screws.

For surface mounting, use the SBX-IXGDM7 surface mount box. This box can mount to a standard single-gang box or to any flat surface.

Use the two standoffs to install the security screws. These are required for both the included back box and the SBX-IXGDM7 surface mount box.

Back Box Dimensions: 12-1/2 H x 6-1/8 W x 2-3/8 D IX-DVF-10KP Dimensions: 13-11/16 H x 7-3/16 W

Programming Guide

This programming guide will cover how to program an IX-DVF-10KP door station and IX-MV7 master stations using the IX Support Tool software. For additional information and documentation for the IX system, please visit www.aiphone.com/ix.

Getting Started

Programming instructions for the keypad are included separately. If the keypad is being used in conjunction with Aiphone's AC Series access control system, please visit www.aiphone.com/ac for more information.

Creating a New System

Open the IX Support Tool, then select File from the top menu and click Create New System. Enter in a System Name, and select the No radial button for Wizard Programming. Enter a system ID and Password. Enter station quantities and then click Finish.

Station Information

Support Tool will open in Table View on the Station Information, Identification page. Enter unique Station Numbers and Names for each station. Click Update to save the changes.

Network Settings – IP Address

The IP addresses for the stations can be individually set for each station or they can be configured in a batch. This guide will show how to assign via the batch configuration. Navigate to Network Settings, IP Address, then click on Batch IP Address Configuration.

FAQ

Q: How do I set up the proximity card reader on the IX-DVF-10KP?

A: To set up the proximity card reader, please refer to the included programming instructions for the keypad. You can also visit our website for additional information.

Q: Can I use the IX-DVF-10KP with a non-PoE switch?

A: The IX-DVF-10KP is designed to work with a PoE switch for power and network connectivity. It is recommended to use a PoE switch for optimal performance.

INSTALLATION AND PROGRAMMING GUIDE

The IX-DVF-10KP is an IX Series video door station with a combination keypad and proximity card reader. The IX-DVF-10KP will connect to a network switch, and the built-in keypad connects to an access control system with a Wiegand connector.

Names and Functions

IX-DVF-10KP



1. Camera
2. Microphone
3. White LED for night viewing
4. Speaker
5. Call button
6. Proximity card reader and keypad

Features

- IP video door station
- Proximity card reader and access keypad
- Stainless steel faceplate with tamper resistant screws

PACKAGE CONTENTS



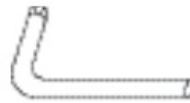
IX-DVF-10KP
Door Station



Flush Mount Back Box and
Mounting Bracket



2 Security Screws
4 Bracket Screws



Security Driver



Door Release
Wire Harness



Keypad Instructions

Installation

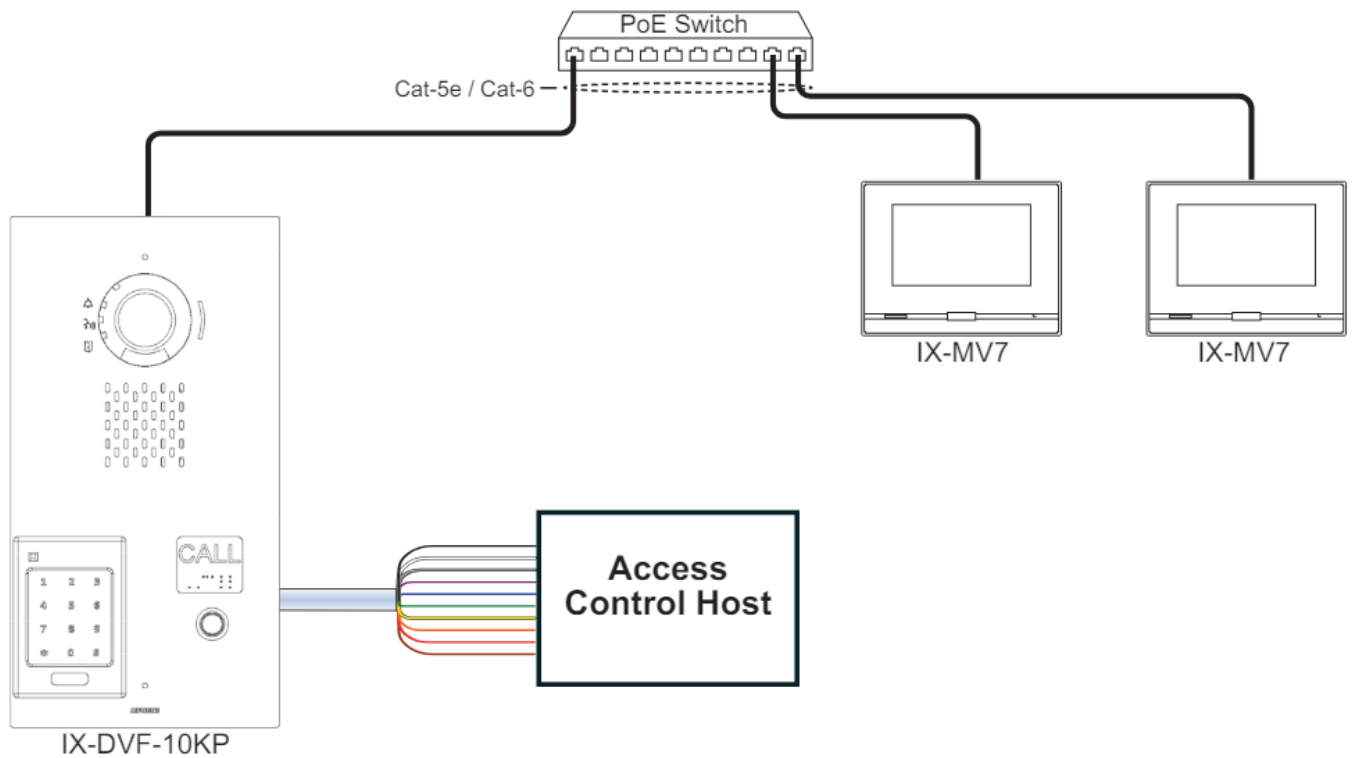
For flush mounting, recess the supplied back box into the wall, then attach the mounting bracket using the four provided screws.

For surface mounting, use the SBX-IXGDM7 surface mount box. This box can mount to a standard single-gang box or to any flat surface.

Use the two standoffs to install the security screws. These are required for both the included back box and the SBX-IXGDM7 surface mount box.

Back Box Dimensions: 12-1/2" H x 6-1/8" W x 2-3/8" D IX-DVF-10KP Dimensions: 13-11/16" H x 7-3/16" W

Wiring Diagram



Specifications

Door Station:

- **Camera unit:** 1/3" color CMOS 1.23 megapixel
- **Min. illumination:** 5 Lux
- **Terminations:** RJ45
- **Operating Temp:** -31° ~ 140°F / -35° ~ 60°C
- **Wiring Distance:** 328' with Cat-5e/6 cable to switch
- **Dimensions:** 13-11/16" H x 7-3/16" W
- **w/ SBX-IXGDM7:** 13-3/4" H x 7-5/16" W x 3-1/16" D

Proximity Reader w/ Access Keypad

Supported

- **Credentials:** Aiphone 40-bit, HID, AWID, Pyramid
- **Wiring:** Wiegand Connection

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.

Getting Started

This programming guide will cover how to program an IX-DVF-10KP door station and IX-MV7 master stations using the IX Support

Tool software. For additional information and documentation for the IX system, please visit www.aiphone.com/ix.

Programming instructions for the keypad are included separately. If the keypad is being used in conjunction with Aiphone's

AC Series access control system, please visit www.aiphone.com/ac for more information.

Creating a New System

Open the IX Support Tool, then select File from the top menu and click Create New System. Enter in a System Name, and select the No radial button for Wizard Programming. Enter a system ID and Password. Enter station quantities and then click Finish .

New System

System Settings

System Name:

IP Version:

Enter contact information (optional):

Installer Information:

Displays in CONTACT INFORMATION of IX-MV7-* IX-SOFT

Owner Information:

Notes:

☐ Expanded System

Wizard Programming: ☐ Yes ☒ No

Automatically configure door release for all stations? ☒ Yes ☐ No

System ID: 1-20 alphanumeric characters

System Password: 1-20 alphanumeric characters

IX Support Tool Settings ◆ Required Settings

Enter the number of stations

Station Type	Quantity	Station(s)
Master Stations		
IX-MV7-*	6	Station(s)
IX-MV		Station(s)
IX-SOFT		Station(s)
Video Stations		
IX-DV, IX-DVF(-*)	2	Station(s)
IX-DVM		Station(s)
IX-EA, IX-EAU		Station(s)
IX-DA		Station(s)
Audio Stations		
IX-SSA(-*)		Station(s)
IX-SS-2G		Station(s)
IX-FA		Station(s)
IX-SPMIC		Station(s)
IX-BA		Station(s)
IX-RS-*		Station(s)
Others		
IXW-MA		Station(s)

The IX-DVF-10KP counts as an IX-DV, IX-DVF(-*) station in this section.

Station Information

Support Tool will open in Table View on the Station Information, Identification page. Enter unique Station Numbers and Names for each station. Click Update to save the changes.

Table View

[Related Settings]
Remove Station Location Registry

Station View

Number of Notes: 2
1. Locations must be created in the Location Registry before they can be assigned to a Station.
2. Station Type cannot be changed once registered. To modify, station must be removed.

Station Information

Identification

#	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(-*)

Text in red are required settings.

Some versions of IX Support Tool will have a Save button in place of the Update button.

Network Settings – IP Address

The IP addresses for the stations can be individually set for each station or they can be configured in a batch. This guide will show how to assign via the batch configuration. Navigate to Network Settings, IP Address, then click on Batch IP Address Configuration

Station Information

Network Settings

IP Address

DNS

SIP

Multicast Address

Video

Audio

Packet Priority

NTP

System Information

Row

Previous Next

Enter Number Display

[Related Settings]
Batch IP Address Configuration

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

Station Information

Network Settings

Identification

IP Address

#	Number	Name	Location	Station Type	Hostname	IP Version	Static / DHCP	IP Address	Subnet Mask
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		

Text in red are required settings.

Batch IP Address Configuration

On the Batch IP Address Configuration page, enter a starting IP address and subnet mask. Check the box beside each station or click Select to check all stations at once. Click OK, then click OK on the confirmation pop-up. Each station will now have an IP address and Subnet Mask assigned to it.

Batch IP Address Configuration

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

IPv4 Address

192168110

Subnet Mask

2552552550

IPv6 Address

Select stations for batch IP address assignment:

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

[Related Settings]

Batch IP Address Configuration

Display

ss settings will cause station to restart after Update is clicked. This will take a few minutes.

Network Settings

Text in red are required settings:

IP Address

Station Type	Hostname	IP Version	Static / DHCP	IPv4 Address							
				IP Address		Subnet Mask					
				1	2	3	4	1	2	3	4
IX-MV7-*		IPv4	Static	192	168	1	10	255	255	255	0
IX-MV7-*		IPv4	Static	192	168	1	11	255	255	255	0
IX-MV7-*		IPv4	Static	192	168	1	12	255	255	255	0
IX-MV7-*		IPv4	Static	192	168	1	13	255	255	255	0
IX-DV, IX-DVF(-)		IPv4	Static	192	168	1	14	255	255	255	0

If a Default Gateway address is required, it can be manually added on this page once the IP addresses have been assigned.

Association Settings

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, navigate to Tools(T), Association Settings.

Tools(T)

Help(H)

Station Search

Association Settings

Station Replacement

Restore System Settings

System Configuration

When the Association Settings window opens, it will automatically begin searching for any IX stations on the network. Once this is complete, select a configuration in the Station Settings List at the top, then select the station to assign it to in the Station List. Click **Apply** and **OK** on the pop-up to start the association process for that station, then repeat these steps for the remaining stations.

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	-

2. Select the station to associate with the setting file.

☐ Enter station MAC address: ☐ Different Networks

☒ Search and select station within local network:

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	-

IX Support Tool

?

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

OK

Cancel

Apply

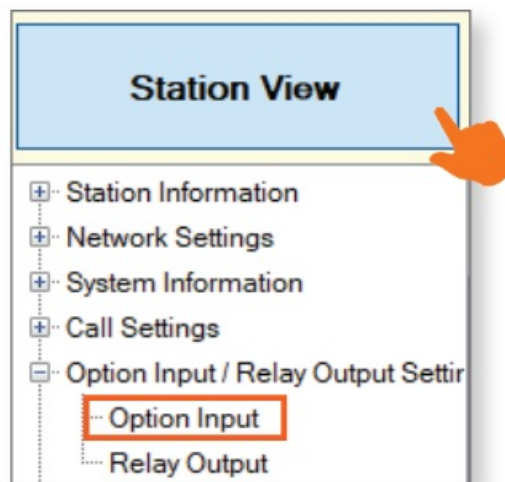
If the Station Search fails to find any stations, verify that the stations are powered on and that the PC is connected to the same switch.

Once associated, the stations will restart with the IP address and station name assigned. Scroll down to the Associated Stations List at the bottom of the page to confirm the status of the association.

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

Call Button Settings – Option Inputs

The IX-DVF-10KP's call button is wired to Option Input 1. This input will need to be programmed to place a call. Click **Station View** ,then navigate to Option Input/Relay Output Settings, Option Input.



Option Inputs

In the Select Station to Edit menu, use the Number drop-down to select the IX-DVF-10KP, then click Select . Use the Option Input drop-down to select Option Input 1. Click the Call radial button, then click Update .

Station Number:	200	Select Station to Edit	
Station Name:	Front Door	Type:	All
Location:		Number:	200
Station Type:	IX-DV, IX-DVF(-*)	<input type="button" value="Previous"/> <input type="button" value="Select"/> <input type="button" value="Next"/>	

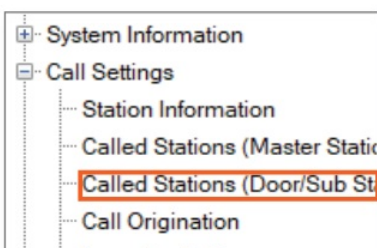
Option Input	
Option Input #	Option Input 1
Name	<input type="text"/>
1-24 alphanumeric characters (*) Certain characters may not be displayed correctly on IX-MV and IX-MV7-* due to font type.	
Function	<input type="radio"/> No Function <input checked="" type="radio"/> Call <input type="radio"/> Answer Call / Page <input type="radio"/> Paging <input type="radio"/> Message Page
(*) Customize Call in "Call Settings". (*) Customize Page in "Paging Settings". (*) Customize Message Page in "Paging Settings".	



Called Stations Groups

Once the Option Input is set to call, a Called Station Group will be assigned to each to allow for selective calling from each button.

Navigate to Call Settings, Called Stations (Door/Sub Stations). Use the Group Number drop-down to select Group 01.



Called Stations (Door/Sub Stations)	
U = Unicast, M = Multicast If designating "M", multicast IP addresses must be configured for the station(s). To register a VoIP Phone, go to Network Settings -> SIP and enter the IP address of the SIP Primary Server. Only one VoIP Phone can be set per group.	
Group Number	Group 01
<input type="button" value="VoIP Phone Registration"/>	

By default, Group 01 will contain all master stations in the system. If these need to be changed, use the Open and Delete buttons to add or remove master stations from the list. Once the call group is configured, click Update . If any other inputs are being configured to place calls when activated by third party equipment, switch to the next group using the Group Number drop-down. Repeat these steps to configure these call groups.

#	Number	Station List	IPv4 Address	IPv6 Address	Station Type	Protocol	Delete
01	101	Open	192.168.1.10		IX-MV7-*	U	Delete
02	102	Open	192.168.1.11		IX-MV7-*	U	Delete
03	103	Open	192.168.1.12		IX-MV7-*	U	Delete
04	104	Open	192.168.1.13		IX-MV7-*	U	Delete
05	105	Open	192.168.1.14		IX-MV7-*	U	Delete
06	106	Open	192.168.1.15		IX-MV7-*	U	Delete

 Update

Programming the Call Button

To link the Called Stations groups to the call button on the door station, navigate to Call Settings, Call Origination. Use the Call Button / Option Input # drop-down and select Option Input 1.

- System Information
- Call Settings
 - Station Information
 - Called Stations (Master Station)
 - Called Stations (Door/Sub Station)
 - Call Origination
 - Incoming Call
 - Contactless Call
- Option Input / Relay Output Settings
- Paging Settings


Call Origination



Call Button / Option Input #


Call Method

Call Button
Call Button
Option Input 1
Option Input 2
Option Input 3
Option Input 4

Use the Standard Mode Settings, Call Destination drop-down to assign a call group to the Option Input. Click **Update** . If any other option inputs are being used for calling, switch to the next Option Input and repeat these steps as necessary.

Ringback Tone 
Call Pattern 2

Call Timeout  
10-600 sec
60 sec


Ringback Tone Count [time(s)] 
1

Call Destination

Call Destination 01-99
Open
Priority

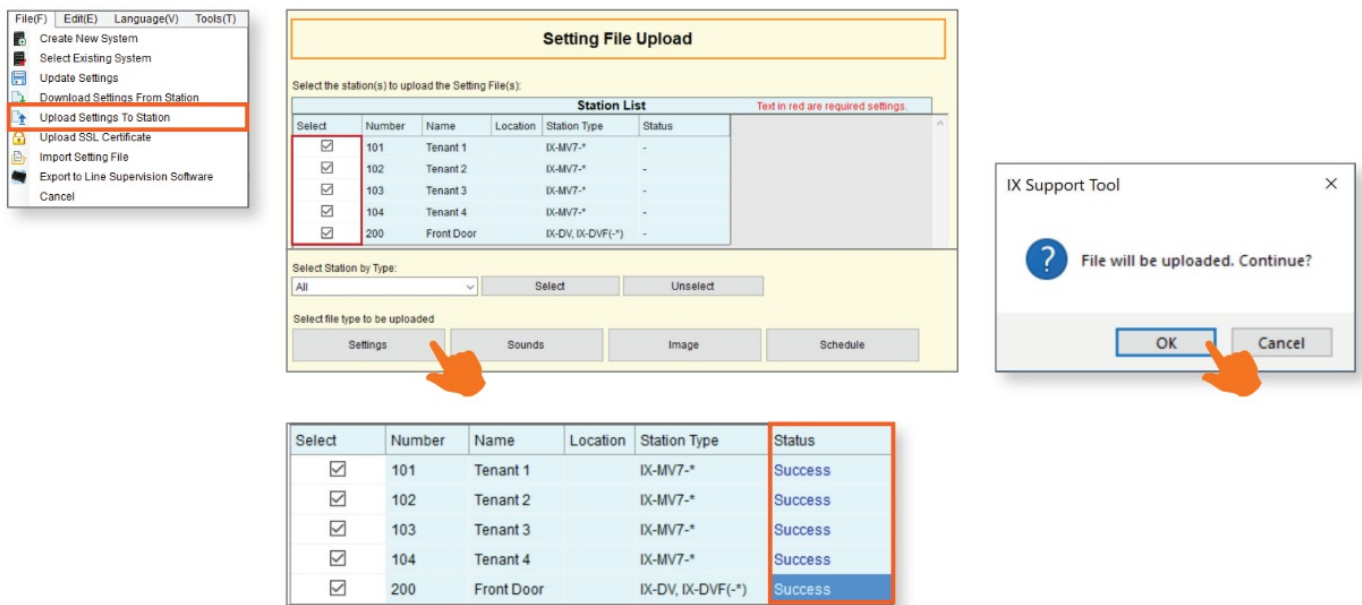
Standard Mode Settings

Call Destination
01
Priority
Normal

 Update

Setting File Upload

Once all settings are configured, select File (F) from the top bar and select Upload Settings to Station. Click **Select** to check all of the stations, then click on **Settings** . Once **OK** is pressed on the confirmation pop-up, the upload process will start. This process will take around 30 seconds to a minute. Once it is complete, confirm that the Status column shows Success for each station.



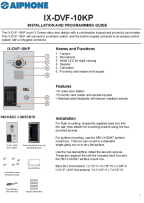
For more details about the features and information above, please contact Technical Support.

Aiphone Corporation

www.aiphone.com

(800) 692-0200

Documents / Resources



AIPHONE IX-DVF-10KP IP Video Door Station with Proximity Reader and Access Keypad [pdf] Installation Guide

IX-DVF-10KP IP Video Door Station with Proximity Reader and Access Keypad, IX-DVF-10KP, I P Video Door Station with Proximity Reader and Access Keypad, Door Station with Proximity Reader and Access Keypad, Proximity Reader and Access Keypad, Reader and Access Keypad, Access Keypad, Keypad

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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