AIPHONE IXW-MA-SOFT IP Video Intercom System User Guide

⊕ AIPHONE

IX SERIES
IP Video Intercom System
IXW-MA-SOFT Programming Guide
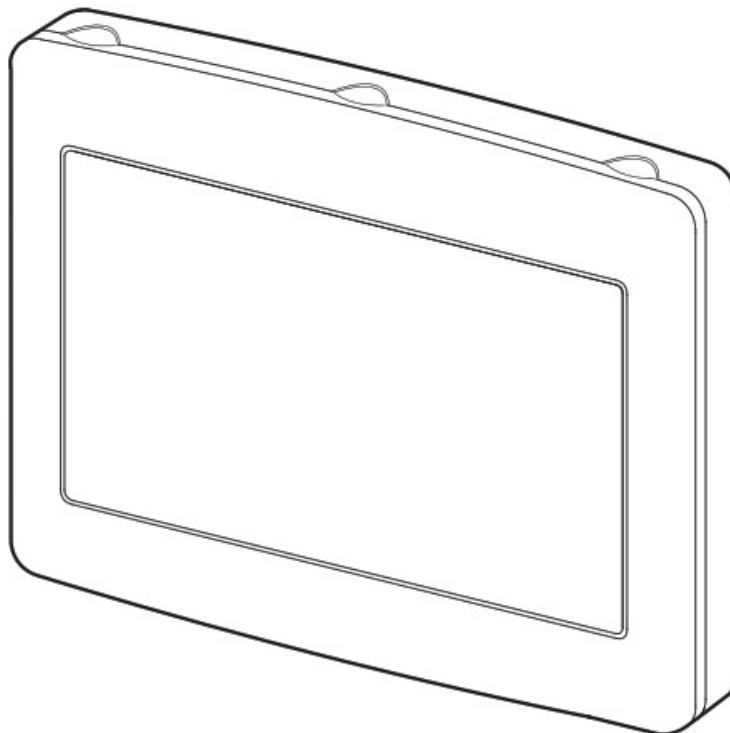
ATTENTION:
This is an abbreviated programming manual addressing basic IXW-MA program settings using IX Support Tool. A complete set of instructions (IX Web Setting Manual / IX Operation Manual / IX Support Tool Setting Manual) can be found at **www.aiphone.com/IX**.

For more details about the features and information above, please contact Technical Support.
Aiphone Corporation |**www.aiphone.com**|(800) 692-0200

Adding an IXW-MA to an Existing System

Getting Started

The IXW-MA is an IP relay with 10 configurable outputs that can be remotely triggered by a station based on its Contact Change
settings. Typically, these outputs are used for remote door release or to activate signaling devices. If the IXW-MA wasn't part of the original system configuration, it will need to be added. If the IXW-MA is already part of the system, continue to page 4.
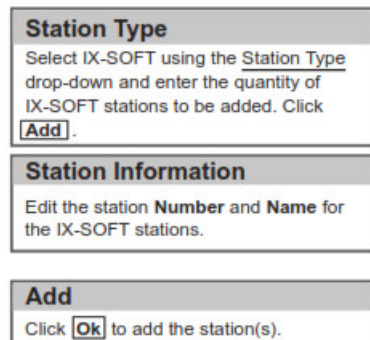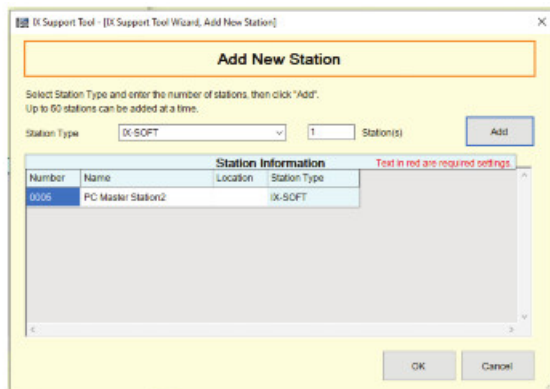
Step 1: Opening the System Configuration Settings

From the top menu bar, click Tools(T) and select System Configuration.
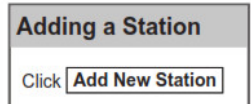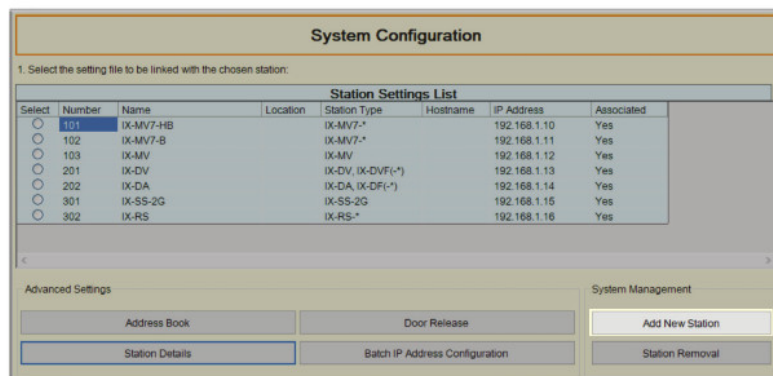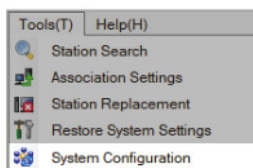
Step 2: Adding a New Station

The Add New Station window will open. Use this screen to add one or more IXW-MA stations.

The new IXW-MA(s) will appear in the Station Settings List with the station number and name set in the Add New Station window.

A default IP address of 192.168.1.10 (.11 for the second, .12 for the third, and so on) will be given to the station when added. This IP address can be edited by clicking Station Details from the Advanced Setup section below.

Step 3: Association

The station information created in the previous step will now need to be associated to a station found on the network.

The associated IXW-MA(s) will now have its Station Name and IP address, but no other settings at this time. Continue with the configuration process and upload to ALL stations before testing.

IXW-MA Settings with IX Series Stations

Getting Started

The following steps detail the configuration for using the outputs of the IXW-MA for door release.

Step 1A: SIF Settings for IX Series Stations (IX-MV7-*, IX-DV, IX-DVF-*, IX-SS-*, IX-SSA-*, and IX-RS-*)
Use the following steps to configure the SIF settings needed for IX Series stations. Refer to page 5 for the configuration of IX Series 1 stations (IX-MV, IX-DA, IX-BA).
Expand Function Settings on the left-hand side menu and select SIF. The SIF event trigger for door release is sent

by the door station, so the following steps use door stations as examples.

SIF Functionality:	Enable for each station interacting with the IXW-MA
Program Type:	0100 for each station
IPv4:	Enter the IP address of the IXW-MA
Destination Port:	65014
SSL:	Enabled
Connection:	Socket

While still on the Function Settings > SIF screen, scroll right to find Change Contact.

Change Contact
Check the Change Contact box for each door station that will interact with the IXW-MA.

Update
Click **Update** to save the SIF and Change Contact settings.

Important
•If there are no Legacy IX Series stations, skip to page 6 to continue the programming process.

IXW-MA Settings with Legacy IX Series Stations

Getting Started
The following steps detail the configuration for using the outputs of the IXW-MA for door release.

Step 1B: SIF Settings for Legacy IX Series Stations (IX-DA, IX-BA, IX-MV)
Use the following steps to configure the SIF settings needed for legacy IX Series stations. Refer to page 4 for the configuration of current IX Series stations.

A line of code will need to be written, then uploaded, to allow legacy IX Series stations (IX-DA, IX-BA, IX-MV) to

interact with the IXW-MA. Open a plain text editor, like Notepad. In the text editor, type the following information.
Example .ini File:
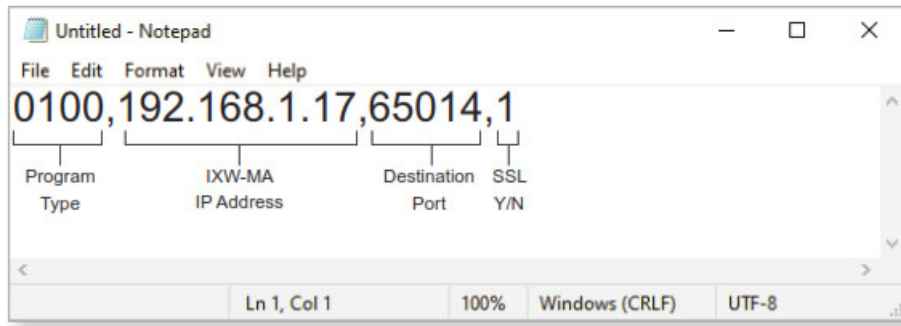
Program Type:	Always use
IXW-MA IP Address:	IP address associated in Support Tool to the IXW-MA
Destination Port:	Always use 65014
SSL Y/N :	Always use 1

The file must be saved with a .ini extension, which is typically not found using the Save as Type drop-down menu of the text editor. To do this, type in ".ini " at the end of the file name. There is not a required file name, but for clarity, the example will show the file being saved as "SIF.ini".
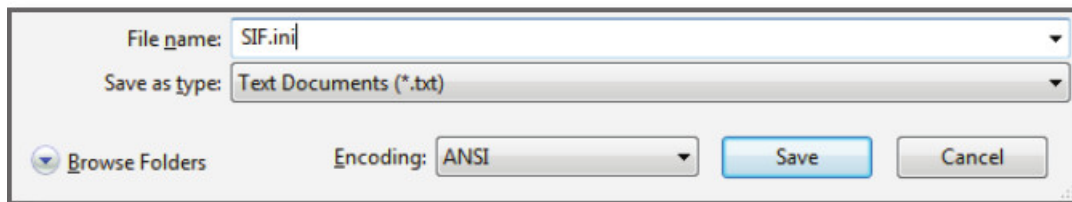
Save this file to an easily accessible location on the PC, as it will be uploaded to the stations in the next step.

Important
Legacy IX Series stations require firmware v2.1 or higher to be compatible with the IXW-MA. To check the latest version of firmware, go to Tools(T) on the top menu of Support Tool and select Station Search. Here, the firmware version of every station found on the network will be displayed.

Step 2B: SIF Settings for Legacy IX Series Stations
Next, the newly created .ini file will be uploaded to each station. In the case of door release, only door stations are required to receive this file, as the SIF command for door release comes from the door station and not the master station.
From the left-hand side menu, expand Function Settings and select SIF. Once on the SIF screen, click the Station View button at
the top of the screen.

Select Station

Use the Number drop-down under **Select Station to Edit** and choose an IX Series 1 door station. Click Select and ensure that the correct station is shown in upper left of the screen.

SIF Settings

From the menu on the left, expand **Function Settings** and select **SIF**.

Scroll down until **SIF File Management** is displayed.

File Selection

Click the Browse button and select the **.ini file** that was created in Step 1B.

Upload

Upload the selected file to the station.

Update

Click Update to save the SIF setting changes.

Important

Return to Table View for the remaining steps.

IXW-MA Relay Output Settings

Step 1: Configuring Relay Output Settings

From the left-hand side menu, expand Option Input / Relay Output Settings and select Relay Output. Then, use the Display Settings drop-down menu at the top of the page to select one of the 10 relay outputs to configure.

Function

Use the Function drop-down menu to select **Contact Change SIF Event** for the IXW-MA.

While still on the Relay Output screen, scroll right until Contact Change SIF Event under Relay Output 1 is displayed.

Station Information				Option Input / Relay Output Settings					
Identification				Relay Output					
				Relay Output 1			Relay Output 1 (Output Time is valid when Relay Output function is s		Text in red are required settings.
Number	Name	Loc	Station Type	Contact Change SIF Event		Option Relay Control	Output Time Range		Output Time
				Number	Station List				
101	IX-MV7-HB	IX-MV7-*				Disable	200-2000 [msec]		400
102	IX-MV7-B	IX-MV7-*				Disable	200-2000 [msec]		400
103	IX-MV	IX-MV					200-2000 [msec]		400
201	IX-DV	IX-DV, IX-DVF(-				Disable	200-2000 [msec]		400
202	IX-DA	IX-DA, IX-DF(-*					200-2000 [msec]		400
301	IX-SS-2G	IX-SS-2G				Disable	200-2000 [msec]		400
302	IX-RS	IX-RS-*				Disable	200-2000 [msec]		400
401	IXW-MA	IXW-MA		201	Open	Disable	200-2000 [msec]		400

Select a Station

Find the IXW-MA and click Open and select the **Station Number** of the station to communicate with the IXW-MA.

Update

Click Update to save the relay output settings and repeat for each station and relay output needed.

Door Release Timer Settings

Getting Started

The amount of time the relay output activates on the IXW-MA is determined by the Output Time Range set for the door station interacting with it. If the door station's Output Time Range is set to 3 seconds, for example, the IXW-MA output it is assigned to will also activate for 3 seconds.

Relay Output Settings

To adjust the amount of time the door release relay output activates, expand Relay Input / Relay Output Settings and click Relay Output.

Scroll Right →   Scroll Right →

Output Time Range and Output Time

Use the drop-down menu under Output Time Range to select either **200-2000(msec)** or **3-600(sec)**, then use the Output Time section to enter the desired value.

Update

Click the Update button save the changes.

Adding IX-SOFT to the Support Tool

Step 1: Opening the System Configuration Settings

From the top menu bar, click Tools(T) and select System Configuration.

Add New Station

Click Add New Station

Step 2: Adding a New Station
The Add New Station window will open. Use this screen to add one or more IX-SOFT stations.

Station Type
Select IX-SOFT using the Station Type drop-down and enter the quantity of IX-SOFT stations to be added. Click Add .

Station Information
Edit the station **Number** and **Name** for the IX-SOFT stations.

Add
Click Ok to add the station(s).

Step 3: Station Details
Returning to the System Configuration screen, click Station Details to further customize the Station Number and Name, as well as set the Static IP address of the PCs running IX-SOFT. The IP address must match the PC's IP address or the associate step will fail.

✎ **Important**
PCs running the IX-SOFT application must have a static IP address assigned to it (or DHCP reservation).
The IX Series is peer-to-peer, the static IP address of all instances of IX-SOFT must be known by any station interacting with it.

Step 4: Associating IX-SOFT
Once the Station Details have been configured the created setting must be paired with an IX-SOFT installation. Ensure IX-SOFT is running before proceeding. Under the Station Settings List select the setting to be associated with IX-SOFT.

Select Station Search under Station List and wait for the station search to complete. If the PC running IX-SOFT is the same PC running IX-Support Tool, the Search for IX-SOFT on this PC check box must be selected or the install will not be found. Select the PC running IX-SOFT to be associated with the selected setting.

Select Next to go to the Setting File Upload, click Finish without uploading to any stations. This process will be covered in a future step.

Step 5: SIF Settings (IX-SOFT Licensing)

Click the Station View button at the top of the screen. From the left-hand side menu, expand Function Settings and select SIF.

Under the Select Station to Edit section, use the drop-down menu to select the added IX-SOFT station and click Select.

Under the SIF section, station information of the IXW-MA-SOFT will need to be added to the SIF settings of each IX-SOFT instance. Fill in #01 for each IX-SOFT station with the following settings.

#	Program Type 0000-1111	IPv4 1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)	IPv6 ::FF:0:FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname(1-64 alphanumeric characters)	Destination Port 1024-65535	SSL	Connection
01	1111	10.0.0.42		65060	Enable	Socket
02						

Program Type:	1111
IPv4:	Static IP Address of the IXW-MA-SOFT device
Destination Port	65060
SSL:	Enabled
Connection:	Socket

| Event	01
Begin Outgoing Call	☐
Begin Communication (Source)	☐
Door Release Indication	☐
End Communication	☐
Unit error	☐
Begin broadcast	☐
End broadcast	☐
Begin Transfer	☐
End Transfer	☐
Periodical Transmission	☐
Initialization Notice	☑
End Outgoing Call	☐
Begin Incoming Call	☐
End Incoming Call	☐

Transmission Trigger

Scroll down to transmission trigger under the SIF settings and for #01 select the check box for "initialization notice"

Uploading the Setting File

Setting File Upload
The final step after configuring new settings, or making changes to existing settings, is to upload the setting file to all stations. If the setting files are not uploaded, any changes made in the Support Tool will not be reflected on the station(s). To do this, click File(F) and select Upload Settings to Station.
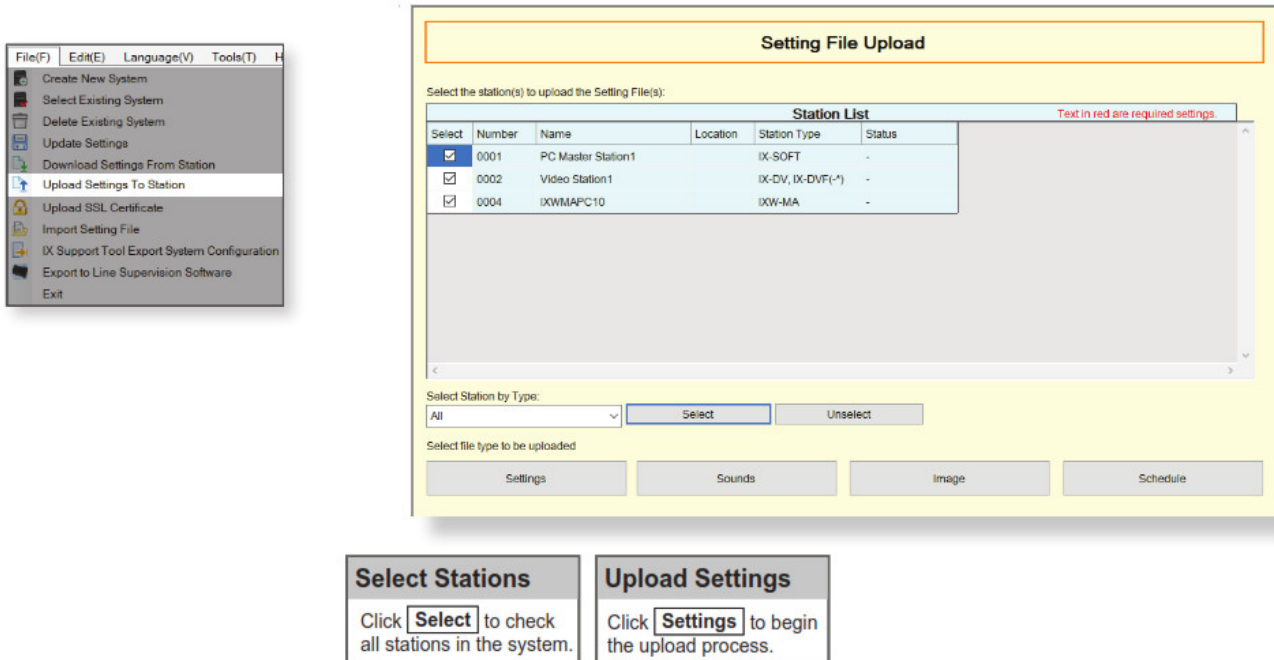

Upload Status
If the status shows Failed, ensure the programming PC is in the same subnet as the IX Stations it is uploading to, and that the stations are powered on and available (solid status light on the station).

Exporting the Settings

Export Settings
A copy of the system's setting file should be exported to a secure location or external drive. This step is critical for the ongoing maintenance of this system. If settings are to be changed in the future, or new stations are to be added, this file is required to do so.
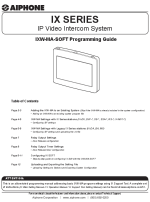To export the file, click on File(F) at the top of the screen and select IX Support Tool Export System Configuration.
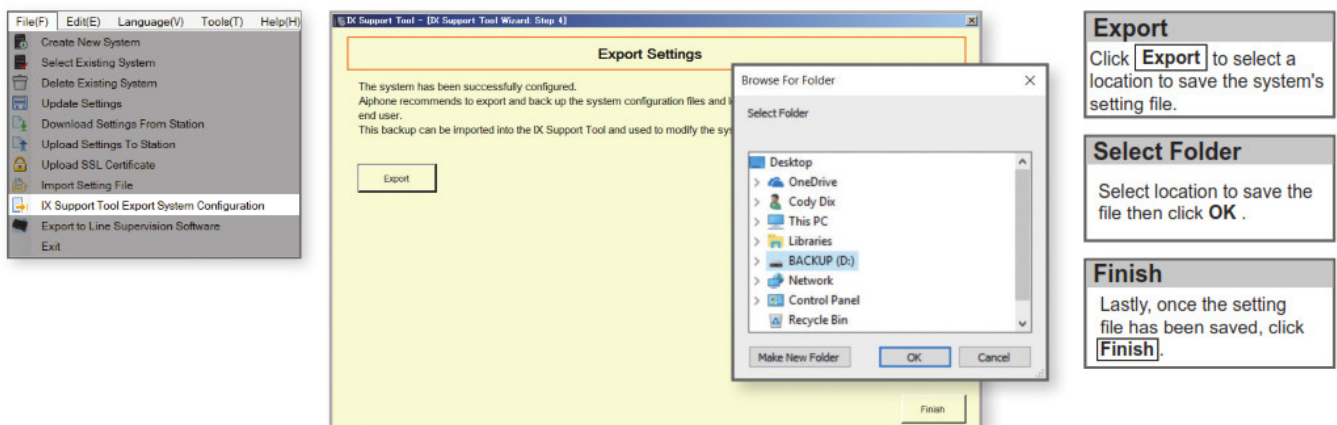
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Documents / Resources

	AIPHONE IXW-MA-SOFT IP Video Intercom System [pdf] User Guide IXW-MA-SOFT, IP Video Intercom System, IXW-MA-SOFT IP Video Intercom System