AIPHONE

IX SERIES
IP Video Intercom

IXW-MA(A)-SOFT Programming Guide

IX Support Tool version **10.1.0.1**
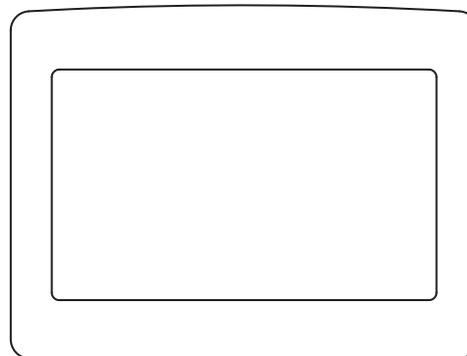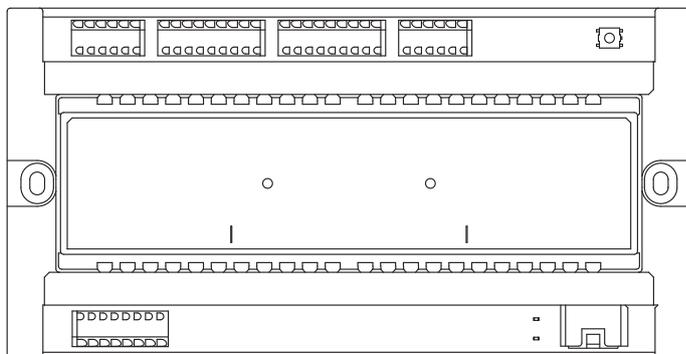
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ATTENTION:

This is an abbreviated programming manual addressing basic program settings for an IX Series system using the IX Support Tool. A complete set of instructions *(IX Operation Manual / IX Support Tool Setting Manual)* can be found at www.aiphone.com/IX, along with additional literature and media.

Introduction

An IXW-MA-SOFT or IXW-MAA-SOFT is a variant of an IXW-MA or IXW-MAA IP relay adaptor that contains licenses for Aiphone's PC master station software. It is programmed in the system was an IXW-MA(A) station and still offers the same relay output functions.

IX Support Tool has programming menus on both the left side of the program, and along the top. Navigation instructions for the left side menu are given in the format **Menu**, Submenu.
Example: **Function Settings**, SIF Settings.
Navigation instructions for the top menu are given in the format Menu, Submenu.
Example: File(F), Upload Settings to Station.

This guide assumes that the rest of the system has already been programmed in IX Support Tool. If this is not the case, follow the IX Series Quick Start Programming Guide, available at this link:
https://www.aiphone.com/IX-Series-QuickStartProgrammingGuide

IX-SOFT can be downloaded here: https://www.aiphone.com/products/ix-soft-pc-master-station-software

Adding an IXW-MA(A) to the System

Navigate to **Station Information**, Identification. This will display a list of existing stations. Click Add Station .

Select IXW-MA as the station type, enter the number of IXW-MA(A)s being added to the system, and click Add . This will add the station to the list. Click OK , then click Update on the main page.

The same steps can also be used to add IX-SOFT stations to the system.

To assign the stations their IP addresses and upload initial settings, navigate to Tools(T), System Configuration and follow the IX Series Quick Start Programming Guide on pages 5-7.

IXW-MA(A) Settings with IX Series Stations and IX-SOFT

Navigate to **Network Settings**, IP Address. This will display the stations and their network information. These can be adjusted as needed for the site. Record the IP address of the IXW-MA(A) for the next step, then click Update .

#	Station Information				Network Settings										
	Identification				IP Address										
								IPv4 Address							
								IP Address				Subnet Mask			
	Number	Name	Location	Station Type	Hostname	IP Version	Static / DHCP	1	2	3	4	1	2	3	4
0001	0001	PC Master Station1		IX-SOFT		IPv4	Static	192	168	1	10	255	255	255	0
0002	0002	PC Master Station2		IX-SOFT		IPv4	Static	192	168	1	11	255	255	255	0
0003	0003	PC Master Station3		IX-SOFT		IPv4	Static	192	168	1	12	255	255	255	0
0004	0004	Video Station1		IX-DV, IX-DVF(-*)		IPv4	Static	192	168	1	13	255	255	255	0
0005	0005	Video Station2		IX-DA, IX-DB		IPv4	Static	192	168	1	14	255	255	255	0
0006	0006	I/O Adaptor2		IXW-MA		IPv4	Static	192	168	1	15	255	255	255	0

➡ Update

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If a station's IP address is changed on this page, the association step will need to be repeated.

Navigate to **Function Settings**, SIF. Set the **SIF Functionality** to Enable for each station that will send signals to the IXW-MA(A)-SOFT, as well as for the IX-SOFT stations that will get their licenses from the IXW-MA(A)-SOFT.

#	Station Information				Function Settings
	Identification				SIF
	Number	Name	Location	Station Type	SIF Functionality
0001	0001	PC Master Station1		IX-SOFT	Enable
0002	0002	PC Master Station2		IX-SOFT	Enable
0003	0003	PC Master Station3		IX-SOFT	Enable
0004	0004	Video Station1		IX-DV, IX-DVF(-*)	Enable
0005	0005	Video Station2		IX-DA, IX-DB	Enable
0006	0006	I/O Adaptor2		IXW-MA	Disable

Under **SIF Settings**, set the following for IX-SOFT stations:
Program Type: 1111
IPv4: The IP address for the IXW-MA(A)-SOFT
Destination Port: 65060
SSL: Enable
Connection: Socket

No.01					
SIF Settings					
Program Type	IPv4	IPv6	Destination Port	SSL	Connection
1111	192.168.1.15		65060	Enable	Socket

Scroll right. For each instance of IX-SOFT, place a check under **Initialization Notice**.

Station Type	No.01
	Transmission Trigger
	Initialization Notice
IX-SOFT	☑
IX-SOFT	☑
IX-SOFT	☑
IX-DV, IX-DVF(-*)	☐

Use these settings for all other stations:
Program Type: 0100
IPv4: The IP address for the IXW-MA(A)-SOFT
Destination Port: 65014
SSL: Enable
Connection: Socket

Once everything is configured, click Update

No.01					
SIF Settings					
Program Type	IPv4	IPv6	Destination Port	SSL	Connection
0100	192.168.1.15		65014	Enable	Socket

ℹ️ IX-DA and IX-BA door stations will have these settings greyed out. The steps for these stations are covered on pages 5 and 6.

Scroll right. For each station that will communicate with the IXW-MA(A)-SOFT, place a check under **Change Contact**.

Station Type	No.01
	Transmission Trigg
	Change contact
IX-SOFT	☐
IX-SOFT	☐
IX-SOFT	☐
IX-DV, IX-DVF(-*)	☑

Once everything is configured, click Update.

➡️ Update

IXW-MA(A) Settings with IX-DA and IX-BA

Navigate to **Function Settings**, SIF. For each IX-DA or IX-BA door station, make sure that **SIF Functionality** is set to Enable, then click Update .
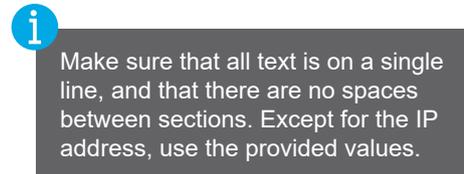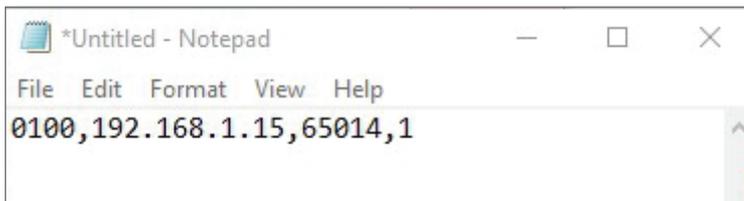
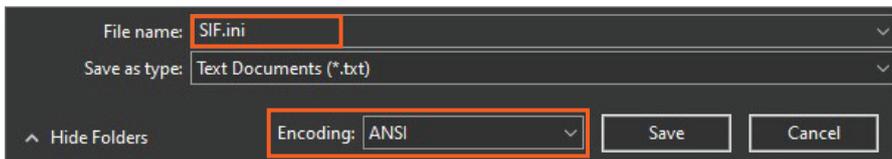| #	Station Information					Function Settings
	Identification					SIF
	Number	Name		Location	Station Type	SIF Functionality
0001	0001	PC Master Station1			IX-SOFT	Enable
0002	0002	PC Master Station2			IX-SOFT	Enable
0003	0003	PC Master Station3			IX-SOFT	Enable
0004	0004	Video Station1			IX-DV, IX-DVF(-*)	Enable
0005	0005	Video Station2			IX-DA, IX-DB	Enable
0006	0006	I/O Adaptor2			IXW-MA	Disable

➡ Update

Minimize IX Support Tool. Open a simple text editor like Notepad. This will be used to enter the information that the door station will use to communicate with the IXW-MA(A)-SOFT.
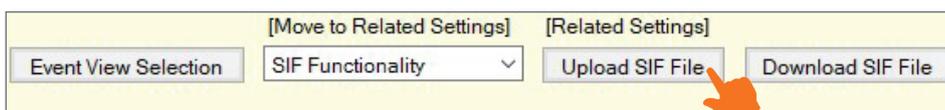
Fill it out with the following format:
0100,IP address of IXW-MA(A)-SOFT,65014,1

```
*Untitled - Notepad                    —    □    ✕
File  Edit  Format  View  Help
0100,192.168.1.15,65014,1
```

ℹ Make sure that all text is on a single line, and that there are no spaces between sections. Except for the IP address, use the provided values.

Save the file with a .ini extension; this will usually need to be entered manually in the file name, so set it to save as a .txt file. Set the encoding to ANSI, make sure it will be saved to a known destination, then click Save .

File name:	SIF.ini	
Save as type:	Text Documents (*.txt)	
⌃ Hide Folders	Encoding: ANSI	Save Cancel

Navigate back to IX Support Tool. Click Upload SIF File towards the top right of the page.

	[Move to Related Settings]	[Related Settings]	
Event View Selection	SIF Functionality ⌄	Upload SIF File	Download SIF File

IXW-MA(A) Settings with IX-DA and IX-BA *(continued)*

Keep SIF Communication Settings selected. Click Browse to select the SIF.ini file that was created before.

Select all stations that will receive the SIF.ini file, then click Start Upload .

ⓘ Only IX-DA, IX-BA, and IX-MV model stations will accept SIF.ini uploads. All other stations will fail; see pages 3 and 4 for the SIF programming steps for other models.

Relay Output Settings

The door stations will now send SIF signals to the IXW-MA(A)-SOFT when their relay output is triggered. To configure the outputs on the IXW-MA(A)-SOFT itself, navigate to **Option Input / Relay Output Settings**, Relay Output.

Each of the ten outputs on the IXW-MA(A)-SOFT can be assigned to a single station. By default, IX Support Tool will select Relay Output 1.

To configure an output, locate the IXW-MA on the list of stations. Use the drop-down under **Function** and select Contact Change SIF Event.

Station Type	Option Input / Relay Output Settings	
	Relay Output	
	Relay Output 1	
	Name	Function
IX-DV, IX-DVF(-*)		Door Release
IX-DA, IX-DB		Door Release
IXW-MA		No Function
		No Function
		Bathroom Indicator
		Contact Change SIF Event

Scroll right and locate the **Contact Change SIF Event** column. Click Open to pull up a list of stations in the system. Select one and click OK .

Station Type	Option Input / Relay Output Settings			
	Relay Output			
	Latch Trigger Event 1	Relay Output 1		
	Latch Reset Trigger Event	Contact Change SIF Event		
		Number	Station List	
IX-DV, IX-DVF(-*)	Option Input			
IX-DA, IX-DB				
IXW-MA				Open

Station List

Select Number

		Station List		Text in red are required settings.
Select	Number	Name	Location	Station Type
○	0001	PC Master Station1		IX-SOFT
○	0002	PC Master Station2		IX-SOFT
○	0003	PC Master Station3		IX-SOFT
◉	0004	Video Station1		IX-DV, IX-DVF(-*)
○	0005	Video Station2		IX-DA, IX-DB
○	0006	I/O Adaptor2		IXW-MA

OK   Cancel

The relay output time is controlled by the station sending the signal to the IXW-MA(A)-SOFT. To adjust this, scroll right to **Output Time Range**. Select an appropriate time range using the drop-down menu, then enter the time in seconds or miliseconds (as appropriate) under **Output Time**. Click Update .

To assign another output, use the [Display Settings] drop-down at the top of the page to select another relay. Repeat the same steps for each relay and station to be configured.

Station Type	Option Input / Relay Output Settings	
	Relay Output	
	Relay Output 1 (Output Time is valid when Relay Output function is s	
	Output Time Range	Output Time
IX-DV, IX-DVF(-*)	3-600 [sec]	5
IX-DA, IX-DB	3-300 sec	5
IXW-MA	200-2000 [msec]	400

[Display Settings]

Relay Output 1

Relay Output 1
Relay Output 2
Relay Output 3
Relay Output 4
Relay Output 5
Relay Output 6
Relay Output 7
Relay Output 8
Relay Output 9
Relay Output 10

➡ Update

Uploading Settings to Stations

Navigate to File(F), Upload Settings to Station. Click [Select] to select all stations and click [Settings]. This will push the new configuration to the stations.

ℹ IX-SOFT must be running on this or the the other PCs in order to receive the upload.

Export System Configuration

It is strongly recommended to back up the settings once everything is configured. This will prevent having to reprogram the system from scratch later.

Navigate to File(F), IX Support Tool System Configuration. Click [Export] and select a location to save the configuration folder. Click [Finish] to exit this screen.

ℹ The configuration will be saved as a folder. The entire folder is needed to restore the system.

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

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