IXG SERIES

IP Video Intercom

IXW-MAA-SOFT Programming Guide

IXG Support Tool version **5.0.1.1**

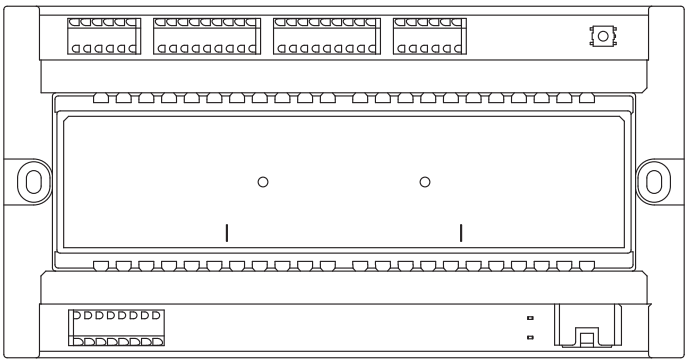


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ATTENTION:

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

Introduction

The IXW-MAA-SOFT is a variant of the IXW-MAA IP relay adaptor that contains licenses for IX-SOFT PC master station software. It is programmed in the system as an I/O adaptor and offers the same features as the standard IXW-MAA. This guide covers adding the IXW-MAA-SOFT to the system, adding instances of IX-SOFT, and programming relay output functions. These programming steps will also work with the legacy IXW-MA-SOFT.

IXG Support Tool has programming menus on 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: Connection(S), Upload Settings.

This guide assumes that the rest of the system has already been programmed in IXG Support Tool. If this is not the case, follow the IXG Series Complete Quick Start Programming Guide here:
https://www.aiphone.com/IXG-Series-QuickStartGuide

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

Adding an IXW-MAA to the System

Navigate to **Site Settings**, I/O Adaptor Registration. Place a check mark under **Enable** on the first line. The **Station Name** can also be changed. Multiple IXW-MAAs can be added using the same steps. Click **Save**.



Adding IX-SOFT to the System

To add IX-SOFT instances to the system, navigate to **Site Settings**, Units/Stations. IX-SOFT is added to the system under the **Master/Tenant Station** column in a commercial unit. Once all of the IX-SOFT instances have been added, click **Save**.

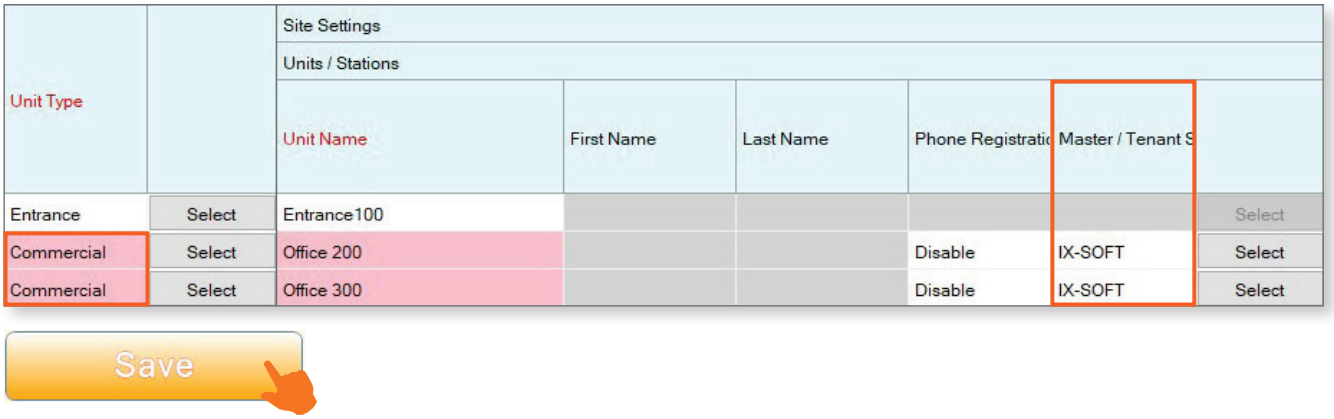


Figure out how to fit in checking out the IX-SOFT's NIC.

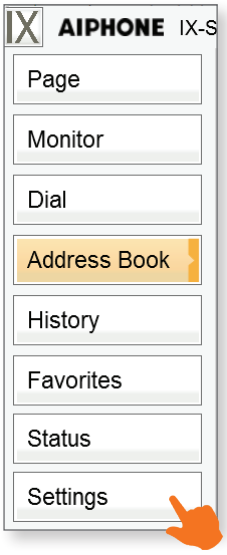
Network Settings

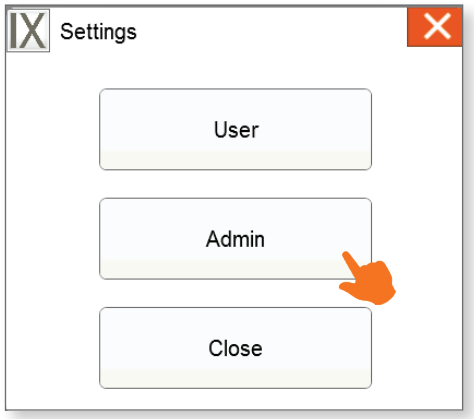
Navigate to **Network Settings**, IP Address. This will display the stations and their network information. These can be adjusted as needed, including for the IX-SOFT instances. Record the IP address of the IXW-MAA-SOFT for the next step, then click **Save**.

Building Nu	Unit Number	Station Name	Network Settings											
			IP Address											
			Hostname	IP Version	Static / DHCP	IPv4 Address								
						IP Address				Subnet Mask				
						1	2	3	4	1	2	3	4	
01	100	Entrance Station1		IPv4	Static	192	168	1	20	255	255	255	0	
01	200	PC Master Station1		IPv4	Static	192	168	1	25	255	255	255	0	
01	300	PC Master Station1		IPv4	Static	192	168	1	26	255	255	255	0	
		Gateway Adaptor1		IPv4	Static	192	168	1	23	255	255	255	0	
		I/O Adaptor1		IPv4	Static	192	168	1	27	255	255	255	0	

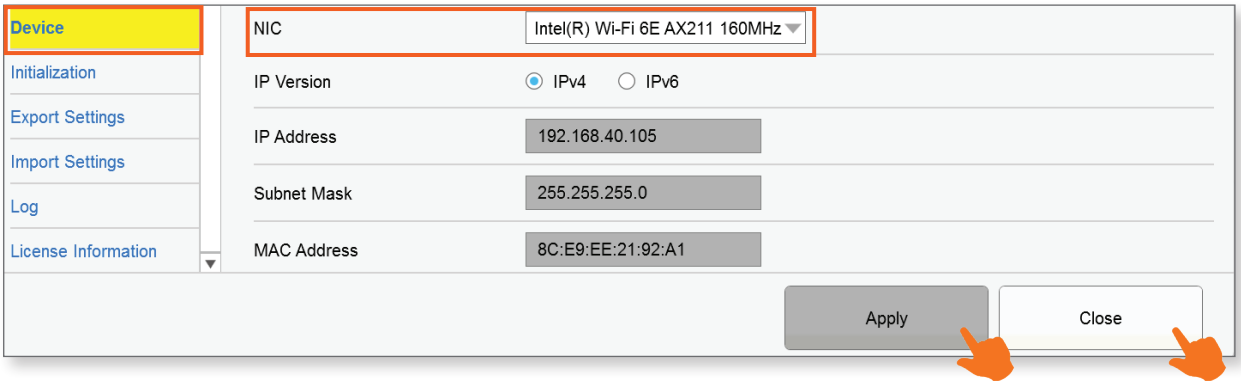


If an instance of IX-SOFT was created, it is recommended to make sure that the proper NIC on the PC is selected to connect with the rest of the system. In IX-SOFT, click **Settings**. Log in as an admin. If this is a new instance, the password will be admin. Otherwise, see the admin password in IXG Support Tool under **Station Information**, ID / Password.





Navigate to **Device**. The NIC will be displayed on the page. If the wrong NIC is selected, use the drop-down menu to change it. Click **Apply**, and click **Close**.

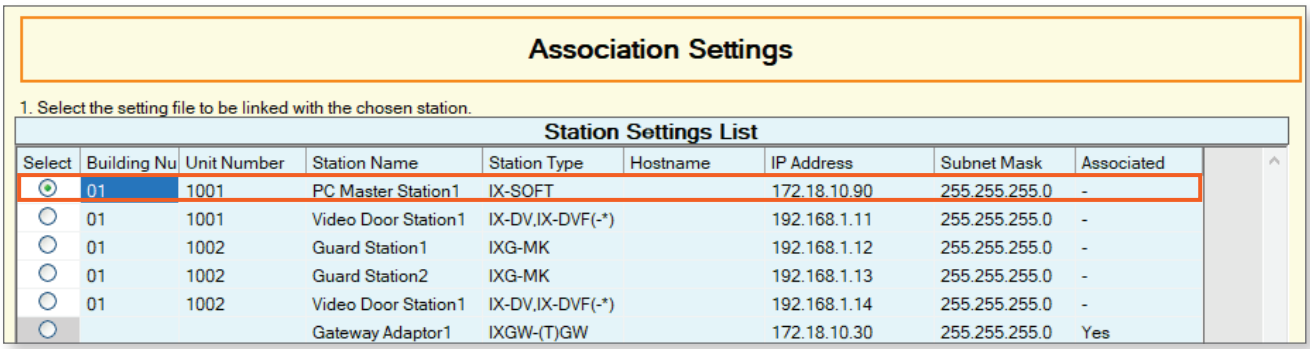


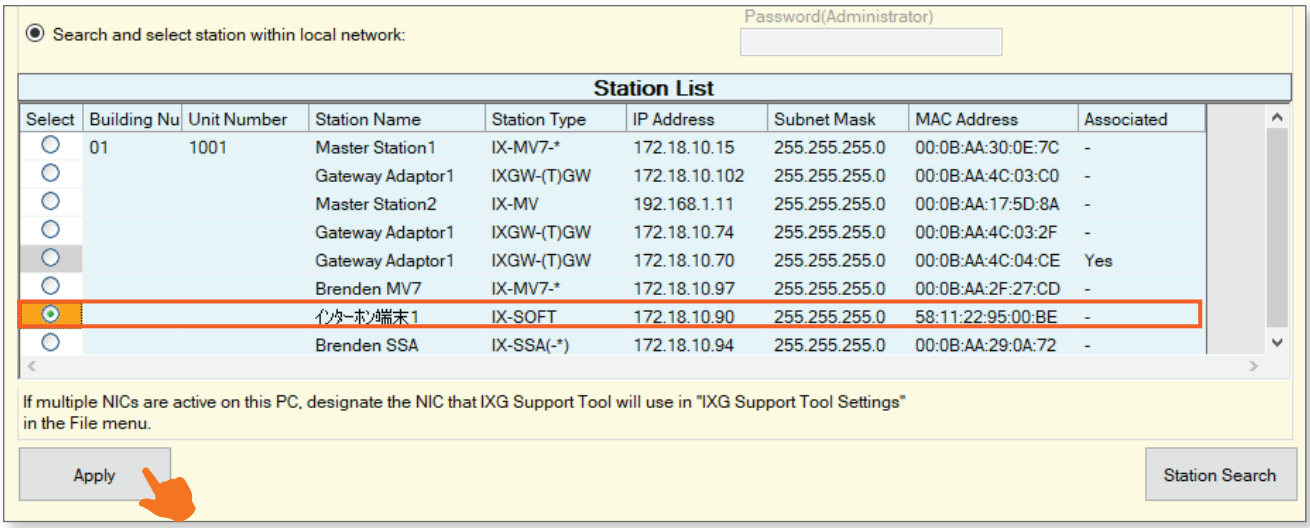
Association Settings

Once the IXW-MAA-SOFT's IP address is configured, it and any new instances of IX-SOFT will need to have their IP addresses applied. Navigate to Connection(S), Association Settings. There will be a pop-up window showing that a station search is being performed. Click **Cancel** to end the search early.

There are three lists on the Association Settings page. The Station Settings List is the stations that exist in the system's programming. The Station List is all stations that IXG Support Tool finds on the local network during a station search. The Associated Stations List is the stations that have had programming from the Station Settings List applied to one of the stations found in Station Search.

To associate a station that came up in station search, select the desired settings from the Station Settings List, the physical station under the Station List, and click **Apply**.



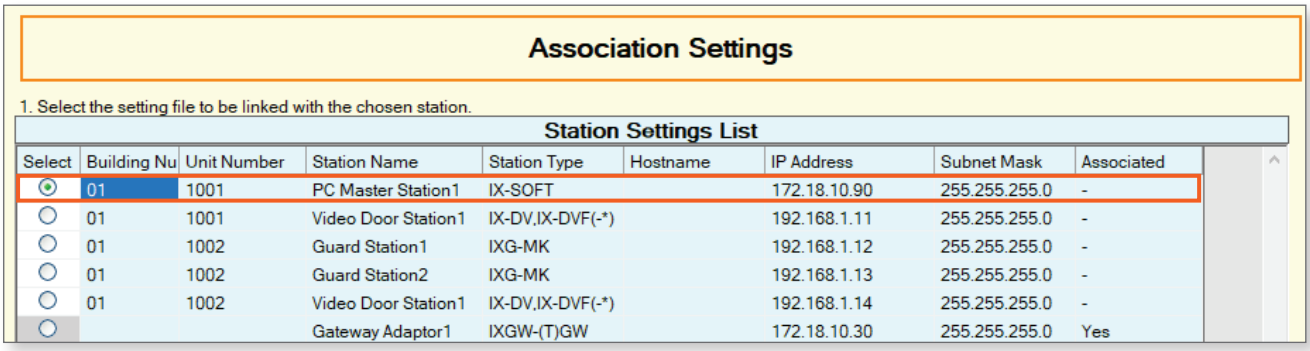


Association Settings *(continued)*

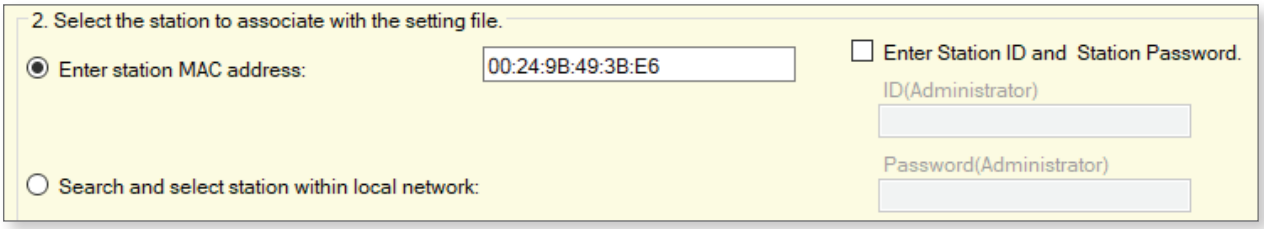
The process shown on the previous page is the preferred method for associating the IXW-MAA-SOFT itself, and can be used to configure an instance of IX-SOFT running on the programming PC. However, other PCs on the network may not be discovered by station search. These can be associated manually.

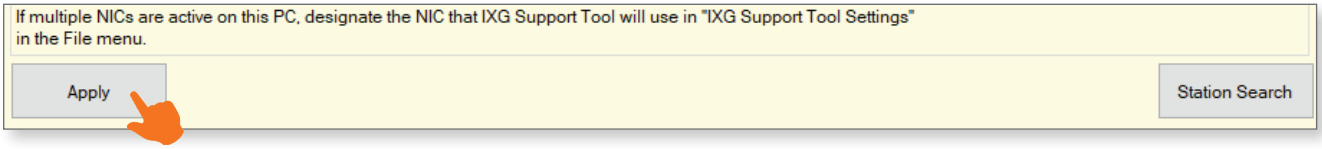
First, make sure that IX-SOFT is open and running on the other PCs. Record the IP and MAC addresses of the NIC that the PC will use to connect to the network. Consult with the network administrator if there are any questions about the proper settings. To update the IP address, return to **Site Settings**, Units/Stations.

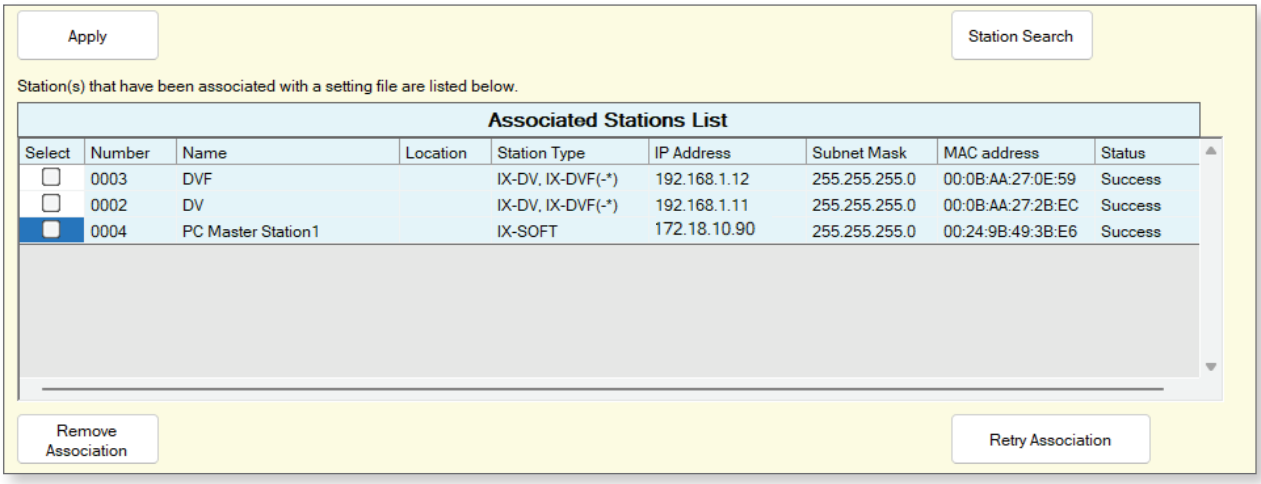
To manually associate the IX-SOFT instances, select the IX-SOFT instance under the Station Settings List.



Under Station List, enter the PC's MAC address and click **Apply**. The associated station or IX-SOFT instances will appear under the Associated Stations List. Repeat these steps as needed.







SIF Settings

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

Unit Number	Station Name	Function Setting SIF SIF Functionalit
100	Entrance Station1	Enable
200	PC Master Station1	Enable

Under **SIF Settings**, use the following settings for IX-SOFT instances:
Program Type: 1111
IPv4: The IP address for the IXW-MAA-SOFT
Destination Port: 65060
SSL: Enable
Connection: Socket

Station Name	SIF Functionalit	SIP URI Format	No.01 SIF Settings Program Type	IPv4	IPv6	Destination P	SSL	Connectio
Entrance Station1	Enable	Disable						
PC Master Station1	Enable	Disable	1111	192.168.1.27		65060	Enable	Socket

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

Transmission Trigger	
Periodical	Initialization Notice
☐	☐
☐	☑

This will cause IX-SOFT to send a SIF signal to the IXW-MA-SOFT when when it boots up, which allows the IX-SOFT to receive its software license.

Use these settings for all other IX | IXG Series stations that will send signals to the IXW-MAA-SOFT:
Program Type: 0100
IPv4: The IP address for the IXW-MAA-SOFT
Destination Port: 65014
SSL: Enable
Connection: Socket

Station Name	SIF SIF Functionalit	SIP URI Format	No.01 SIF Settings Program Type	IPv4	IPv6	Destination P	SSL	Connectio
Entrance Station1	Enable	Disable	1111	192.168.1.27		65014	Enable	Socket

Scroll right. For each station that will send signals to the the IXW-MAA-SOFT, place a check mark under **Change Contact**. Once everything is configured, click **Save**.

Transmission Trigger				
Begin Out	Begin Cor	Door Rele	End Comr	Change contact
☐	☐	☐	☐	☑

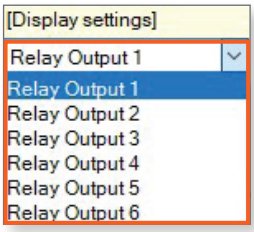


Relay Output Settings

The configured stations will now send SIF signals when their relay output is triggered, and the IX-SOFT instances will reach out to the IXW-MAA-SOFT for their licenses. If SIF settings were only configured for IX-SOFT instances, skip to page 7 for instructions on uploading the settings.

To configure the outputs on the IXW-MAA-SOFT for door release, navigate to **Option Input / Relay Output Settings**, Relay Output.

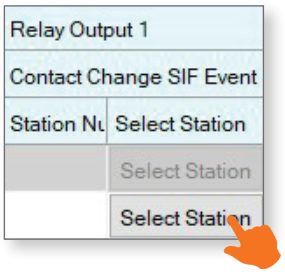
Each of the ten outputs on the IXW-MAA-SOFT can be assigned to a single station. By default, IXG Support Tool will select Relay Output 1. Use the drop-down under [Display settings] to choose a different relay, if needed.



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

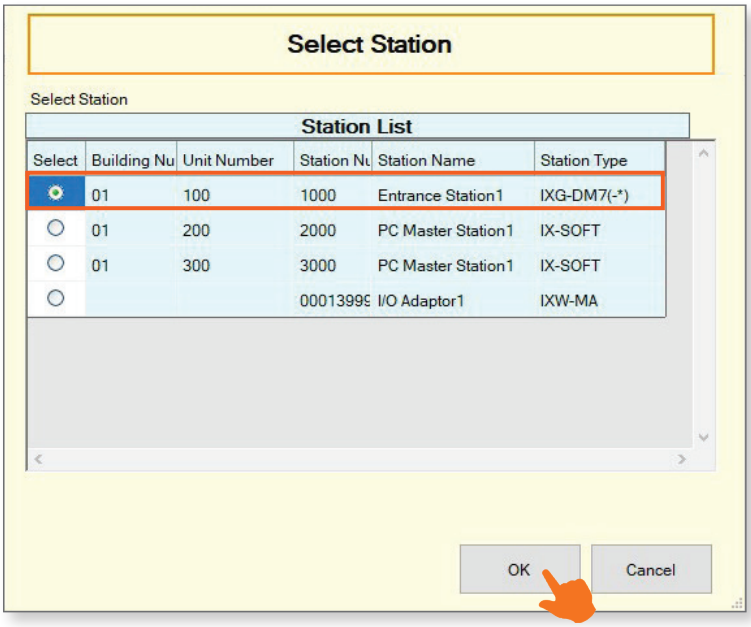


Scroll right to the column labeled **Contact Change SIF Event**. Click **Select Station** to bring up a list of stations.



This will cause the station to send a SIF signal to the IXW-MA-SOFT when the station's contact changes state.

Choose one station to assign to this relay on the IXW-MAA-SOFT, then click **OK**. Click **Save** to finalize the settings, then repeat these steps for each output to be configured.

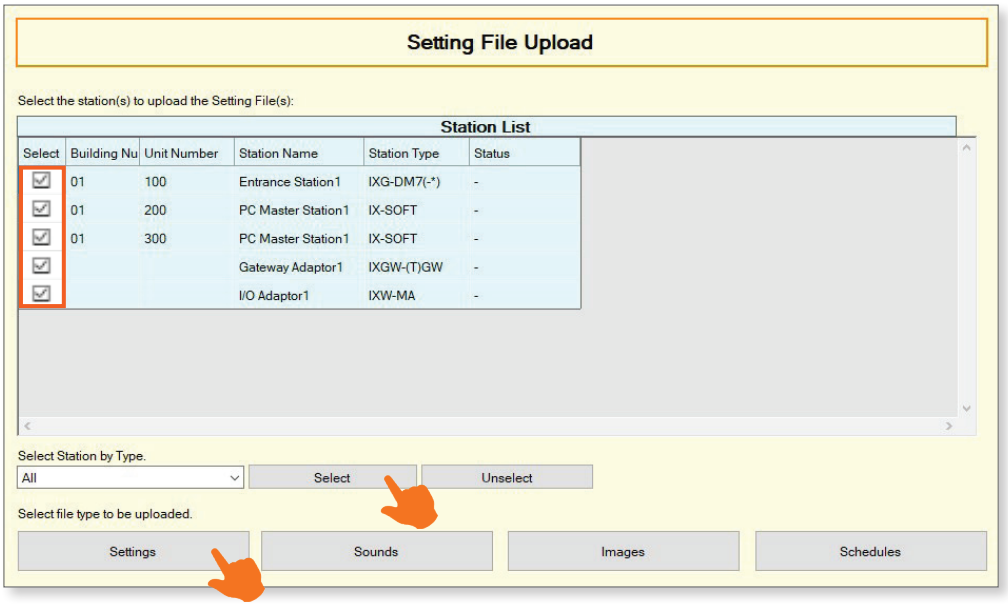


When used for door release, this relay is most commonly associated with a door or entrance station, not another master station.



Uploading Settings to Stations

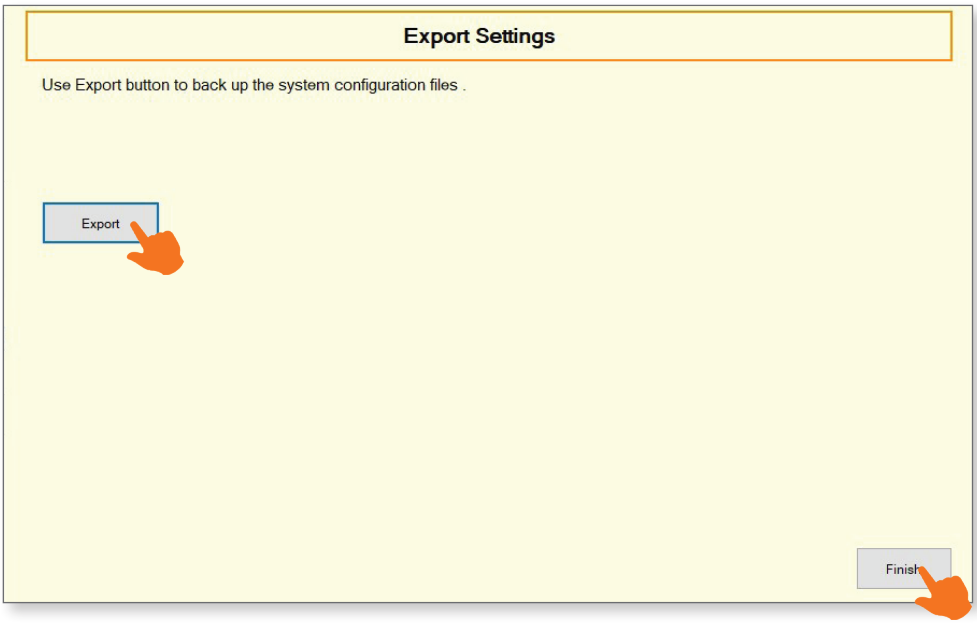
Navigate to Connections(S), Upload Settings. Click **Select** to select all stations and click **Settings**. This will push the new configuration to the stations.



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), Export System Configuration. Click **Export** and select a location to save the configuration folder. Click **Finish** to exit this screen.



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