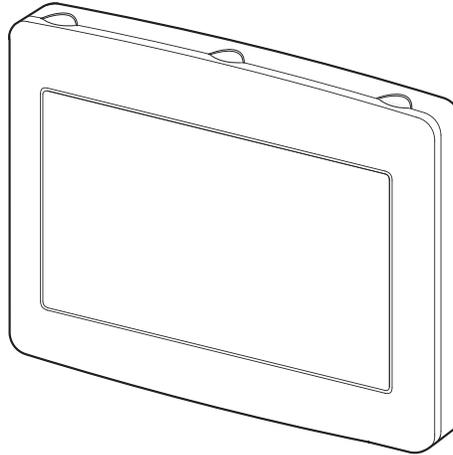


# IX SERIES

## IP Network-Compatible System

### IXW-MA Programming Guide



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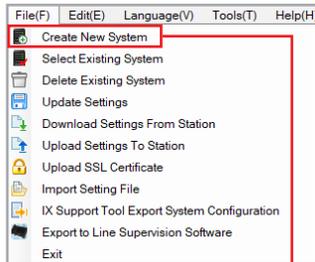
#### **ATTENTION:**

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](http://www.aiphone.com/IX).

# Programming a New System that Includes the IXW-MA

The IXW-MA adaptor has 10 relays that can be used to trigger when the change contact SIF event is sent from specific stations. This guide will walk through programming a system to include the IXW-MA and how to program the adaptor.

## Step 1: System Settings



### 1.1 - Create New System

Open IX Support Tool. From the top menu bar click **File** and select **Create New System**.

### 1.2 - New System

Enter a **System Name** under **System Settings** and select the quantity for each station type under **IX Support Tool Settings**.

### 1.3 - Creating the System

Once each field of the New System page is filled appropriately, click **Next**.

## Step 2: Station Customization

Support Tool will provide each station a default Station Name, four-digit Number, and IP Address starting from 192.168.1.10. To edit this information, click **Station Details** in the **Advanced Settings** section, shown below. To use the default information created by Support Tool, skip to Step 3.

Select	Number	Name	Location	Station Type	Hostname	IP Address	Associated
<input checked="" type="radio"/>	0001	Master Stations1		IX-MV7-*		192.168.1.10	-
<input type="radio"/>	0002	Master Stations2		IX-MV7-*		192.168.1.11	-
<input type="radio"/>	0003	Master Stations3		IX-MV		192.168.1.12	-
<input type="radio"/>	0004	Video Stations1		IX-DV, IX-DVF(-*)		192.168.1.13	-
<input type="radio"/>	0005	Video Stations2		IX-DA, IX-DF(-*)		192.168.1.14	-
<input type="radio"/>	0006	Audio Stations1		IX-SS-2G		192.168.1.15	-
<input type="radio"/>	0007	Handset Sub Station1		IX-RS-*		192.168.1.16	-
<input type="radio"/>	0008	I/O Adaptor1		IXW-MA		192.168.1.17	-

### 2.1 - Station Details

Click **Station Details** to edit the Number, Name, and IP Address for each station.

# Programming a New System that Includes the IXW-MA

## Step 2: Station Customization (continued)

**2.2 - Edit Station Details**  
 Edit the **Number**, **Name**, **IP Address**, and **Subnet Mask** for each station as needed.  
 Note: Do not fill in the *Hostname*.

**2.3 - Update Station Details**  
 Click **OK** to update the station details that were edited.

### Station Details

Row:  Previous Next Display

Changing the IP Address, Subnet Mask, IP Version, Static / DHCP will require the station to be re-associated. Once associated, the setting file will also need to be uploaded to the station(s).  
 Locations must be created in the Location Registry before they can be assigned to a Station. Text in red are required settings.

#	Station Information				Network Settings										
	Identification				IP Address										
	Number	Name	Location	Station Type	Hostname	IP Version	Static / DHCP	IPv4 Address				Subnet Mask			
								1	2	3	4	1	2	3	4
0001	101	IX-MV7-HB		IX-MV7-*		IPv4	Static	192	168	1	10	255	255	255	0
0002	102	IX-MV7-B		IX-MV7-*		IPv4	Static	192	168	1	11	255	255	255	0
0003	103	IX-MV		IX-MV		IPv4	Static	192	168	1	12	255	255	255	0
0004	201	IX-DV		IX-DV, IX-DVF(-*)		IPv4	Static	192	168	1	13	255	255	255	0
0005	202	IX-DA		IX-DA, IX-DF(-*)		IPv4	Static	192	168	1	14	255	255	255	0
0006	301	IX-SS-2G		IX-SS-2G		IPv4	Static	192	168	1	15	255	255	255	0
0007	302	IX-RS		IX-RS-*		IPv4	Static	192	168	1	16	255	255	255	0
0008	401	IXW-MA		IXW-MA		IPv4	Static	192	168	1	17	255	255	255	0

Location Registry OK Cancel

## Step 3: Association

The association process will link the information created in Support Tool with a station found on the network. Once associated, the station will receive its station name and network information after a short power cycle.

**3.1 - Select**  
 Select the setting file to be associated from the Station Settings List.

**3.2 - Select**  
 Select the scanned station to be associated with the selected file from the Station List.

**3.3 - Apply**  
 Click **Apply** to associate the selected station with the selected file. Repeat until all stations are associated.

1. Select the setting file to be linked with the chosen station:

Select	Number	Name	Location	Station Type	Hostname	IP Address	Associated
<input checked="" type="radio"/>	101	IX-MV7-HB		IX-MV7-*		192.168.1.10	Yes
<input type="radio"/>	102	IX-MV7-B		IX-MV7-*		192.168.1.11	Yes
<input type="radio"/>	103	IX-MV		IX-MV		192.168.1.12	Yes
<input type="radio"/>	201	IX-DV		IX-DV, IX-DVF(-*)		192.168.1.13	Yes
<input type="radio"/>	202	IX-DA		IX-DA, IX-DF(-*)		192.168.1.14	Yes
<input type="radio"/>	301	IX-SS-2G		IX-SS-2G		192.168.1.15	Yes
<input type="radio"/>	302	IX-RS		IX-RS-*		192.168.1.16	Yes
<input type="radio"/>	401	IXW-MA		IXW-MA		192.168.1.17	Yes

Advanced Settings System Management

Address Book

Station Details

Door Release

Batch IP Address Configuration

Add New Station

Station Removal

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

Enter station MAC address:   Different Networks

Search and select station within local network: Station Search Protocol: IPv4

Select	Number	Name	Location	Station Type	MAC address	Associated
<input checked="" type="radio"/>				IX-MV7-*	00:0B:AA:2F:02:DB	Yes
<input type="radio"/>				IX-MV7-*	00:0B:AA:2F:02:1A	Yes
<input type="radio"/>				IX-MV	00:0B:AA:17:1B:BA	Yes
<input type="radio"/>				IX-SS-2G	00:0B:AA:2C:01:DC	Yes
<input type="radio"/>				IX-RS-*	00:0B:AA:2D:00:14	Yes
<input type="radio"/>				IXW-MA	00:0B:AA:2E:00:01	Yes
<input type="radio"/>				IX-DV, IX-DVF(-*)	00:0B:AA:27:0B:E7	Yes
<input type="radio"/>				IX-DA, IX-DF(-*)	00:0B:AA:16:34:D6	Yes

Apply Associate Automatically Station Search

# Programming a New System that Includes the IXW-MA

## Step 3: Association (continued)

### 3.4 - Status

Confirm that each station has been successfully associated in the **Status** column.

### 3.5 - Next

If all stations show **Success**, click **Next**.

Scroll Down

Scroll Down

Station(s) that have been associated with a setting file are listed below.

Select	Number	Name	Location	Station Type	IP Address	MAC address	Status
<input checked="" type="checkbox"/>	101	IX-MV7-HB		IX-MV7-*	192.168.1.10	00:0B:AA:2F:02:DB	Success
<input type="checkbox"/>	102	IX-MV7-B		IX-MV7-*	192.168.1.11	00:0B:AA:2F:02:1A	Success
<input type="checkbox"/>	103	IX-MV		IX-MV	192.168.1.12	00:0B:AA:17:1B:BA	Success
<input type="checkbox"/>	301	IX-SS-2G		IX-SS-2G	192.168.1.15	00:0B:AA:2C:01:DC	Success
<input type="checkbox"/>	201	IX-DV		IX-DV, IX-DVF(*)	192.168.1.13	00:0B:AA:27:0B:E7	Success
<input type="checkbox"/>	202	IX-DA		IX-DA, IX-DF(*)	192.168.1.14	00:0B:AA:16:34:D6	Success
<input type="checkbox"/>	302	IX-RS		IX-RS-*	192.168.1.16	00:0B:AA:2D:00:14	Success
<input type="checkbox"/>	401	IXW-MA		IXW-MA	192.168.1.17	00:0B:AA:2E:00:01	Success

Retry Association

Back Next Cancel

## Step 4: Setting File Upload

Once each station has been associated with its individual station information, the setting file containing the rest of the system's information will need to be uploaded to each station. To upload the setting file, the programming PC will need to be in the same subnet as the associated stations. The PC's current IP address is listed in the bottom left-hand side of this window.

*Note that without uploading a setting file, most functions and features will be unavailable to the stations.*

### Note:

The progress of each station will be displayed in the **Status** column. Unavailable stations may still be rebooting from the association process. If a station has rebooted and is still unavailable, ensure the programming PC is in the same subnet as the station.

### Setting File Upload

Connection Status 8/8

Select the station(s) to upload the Setting File(s):

Select	Number	Name	Location	Station Type	IP Address	Status
<input checked="" type="checkbox"/>	101	IX-MV7-HB		IX-MV7-*	192.168.1.10	Available
<input checked="" type="checkbox"/>	102	IX-MV7-B		IX-MV7-*	192.168.1.11	Available
<input checked="" type="checkbox"/>	103	IX-MV		IX-MV	192.168.1.12	Available
<input checked="" type="checkbox"/>	201	IX-DV		IX-DV, IX-DVF(*)	192.168.1.13	Available
<input checked="" type="checkbox"/>	202	IX-DA		IX-DA, IX-DF(*)	192.168.1.14	Available
<input checked="" type="checkbox"/>	301	IX-SS-2G		IX-SS-2G	192.168.1.15	Available
<input checked="" type="checkbox"/>	302	IX-RS		IX-RS-*	192.168.1.16	Available
<input checked="" type="checkbox"/>	401	IXW-MA		IXW-MA	192.168.1.17	Available

Text in red are required settings.

Select Station by Type: All Select Unselect

This PC's IP Address: 192.168.1.102 Manual Date / Time Setup Start Upload Next Finish

### 4.1 - Select

Stations can be selected individually, or by Type. Choose **All** from the **Select Station by Type** drop down menu to upload to all stations. Then, click **Select**.

### 4.2 - Start Upload

Once station **Status** shows **Available** (may take a few minutes), click **Start Upload**.

### 4.3 - Next

After successful upload, click **Next**.

# Programming a New System that Includes the IXW-MA

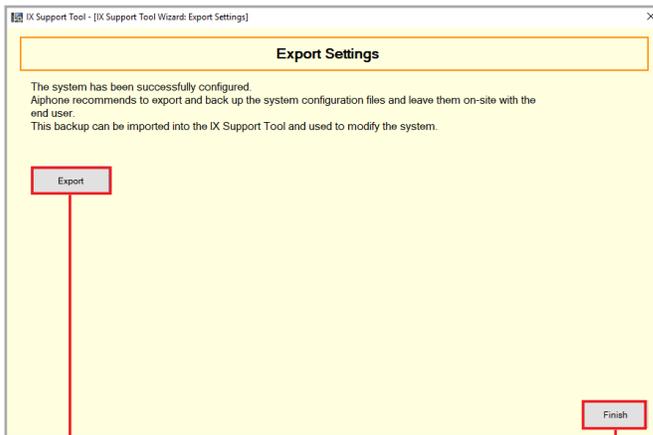
## Step 5: Export Settings

The final step in the Programming Wizard is to create a copy of the system's setting file and export it to a secure location or external drive.

### Note:

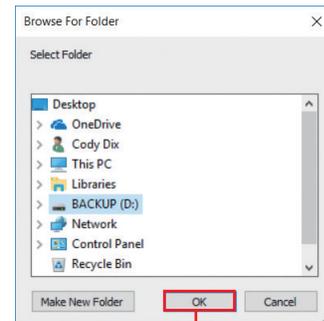


If the original program file is lost, or Support Tool is moved to a different PC, this copy can be used to access the system programming to add or remove a station, or to make programming changes.



### 5.1 - Export

Click **Export**.



### 5.2 - Select Folder

Select location to save the file then click **OK**.

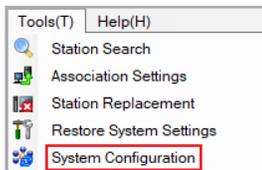
### 5.3 - Finish

Click **Finish**.

## Adding IXW-MA (skip if IXW-MA was included from beginning)

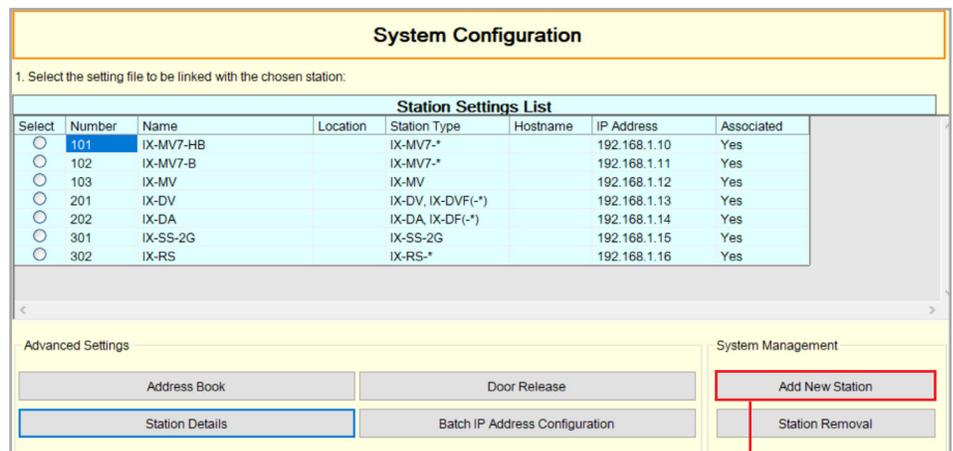
Do not proceed with this section if the IXW-MA was already included when creating the new system. The steps below will walk through adding an IXW-MA relay adaptor to an existing system. The IXW-MA should be connected to the same network as the existing system before proceeding.

Open IX Support Tool and select the existing system to be edited.



### A- System Configuration

Click **Tools** from the top menu bar and select **System Configuration**.



### B- Add New Station

Click **Add New Station**.

Continue on page 6.

# Adding IXW-MA (skip if IXW-MA was included from beginning)

## C- Select Station Type

Select the IXW-MA using the **Station Type** drop down and enter the quantity of stations to be added. Click **Add**.

## D- Edit Station Information

Edit the **Number** and **Name** for the new station to be added.

## E- Add

Click **Ok** to add the station.

**Add New Station**

Select Station Type and enter the number of stations, then click "Add".  
Up to 50 stations can be added at a time.

Station Type: IXW-MA    1    Station(s)    Add

Number	Name	Location	Station Type
401	IXW-MA	IXW-MA	IXW-MA

OK    Cancel

The added station will appear in the Station Settings list with the number and name assigned. The IP address assigned will be the next available in the IP address scheme of the existing system.

## F - Select

Select the setting file for the IXW-MA from the **Station Settings List**.

## G - Select

Select the IXW-MA to be associated with the selected file from the **Station List**.

## H - Apply

Click **Apply** to associate the selected station with the selected file.

## I - Status

Confirm that the IXW-MA has been successfully associated in the **Status** column.

## J - Next

If station show **Success**, click **Next**.

**Station Settings List**

Select	Number	Name	Location	Station Type	Hostname	IP Address	Associated
<input type="radio"/>	101	IX-MV7-HB		IX-MV7-*		192.168.1.10	Yes
<input type="radio"/>	102	IX-MV7-B		IX-MV7-*		192.168.1.11	Yes
<input type="radio"/>	103	IX-MV		IX-MV		192.168.1.12	Yes
<input type="radio"/>	201	IX-DV		IX-DV, IX-DVF(*)		192.168.1.13	Yes
<input type="radio"/>	202	IX-DA		IX-DA, IX-DF(*)		192.168.1.14	Yes
<input type="radio"/>	301	IX-SS-2G		IX-SS-2G		192.168.1.15	Yes
<input type="radio"/>	302	IX-RS		IX-RS-*		192.168.1.16	Yes
<input checked="" type="radio"/>	401	IXW-MA		IXW-MA		192.168.1.17	-

Advanced Settings    System Management

Address Book    Door Release    Add New Station

Station Details    Batch IP Address Configuration    Station Removal

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

Enter station MAC address:     Different Networks

Search and select station within local network:    Station Search Protocol: IPv4

**Station List**

Select	Number	Name	Location	Station Type	MAC address	Associated
<input type="radio"/>	101	IX-MV7-HB		IX-MV7-*	00:0B:AA:2F:02:DB	Yes
<input type="radio"/>	102	IX-MV7-B		IX-MV7-*	00:0B:AA:2F:02:1A	Yes
<input type="radio"/>	103	IX-MV		IX-MV	00:0B:AA:17:1B:BA	Yes
<input type="radio"/>	201	IX-DV		IX-DV, IX-DVF(*)	00:0B:AA:27:0B:E7	Yes
<input type="radio"/>	301	IX-SS-2G		IX-SS-2G	00:0B:AA:2C:01:DC	Yes
<input type="radio"/>	302	IX-RS		IX-RS-*	00:0B:AA:2D:00:14	Yes
<input type="radio"/>	202	IX-DA		IX-DA, IX-DF(*)	00:0B:AA:16:34:D6	Yes
<input checked="" type="radio"/>		IXW-MA		IXW-MA	00:0B:AA:2E:00:01	-

Apply    Associate Automatically    Station Search

Scroll Down    Scroll Down

Station(s) that have been associated with a setting file are listed below.

**Associated Stations List**

Select	Number	Name	Location	Station Type	IP Address	MAC address	Status
<input type="checkbox"/>	101	IX-MV7-HB		IX-MV7-*	192.168.1.10	00:0B:AA:2F:02:DB	Success
<input type="checkbox"/>	102	IX-MV7-B		IX-MV7-*	192.168.1.11	00:0B:AA:2F:02:1A	Success
<input type="checkbox"/>	103	IX-MV		IX-MV	192.168.1.12	00:0B:AA:17:1B:BA	Success
<input type="checkbox"/>	301	IX-SS-2G		IX-SS-2G	192.168.1.15	00:0B:AA:2C:01:DC	Success
<input type="checkbox"/>	201	IX-DV		IX-DV, IX-DVF(*)	192.168.1.13	00:0B:AA:27:0B:E7	Success
<input type="checkbox"/>	202	IX-DA		IX-DA, IX-DF(*)	192.168.1.14	00:0B:AA:16:34:D6	Success
<input type="checkbox"/>	302	IX-RS		IX-RS-*	192.168.1.16	00:0B:AA:2D:00:14	Success
<input type="checkbox"/>	401	IXW-MA		IXW-MA	192.168.1.17	00:0B:AA:2E:00:01	Success

Remove Association    Retry Association

Back    Next    Cancel

The setting file will need to be uploaded to each station. Refer to page 12 for this procedure.

# Configuring IX Series 2 Stations to Communicate with the IXW-MA

## Step 1: Enabling SIF Functionality for IX Series 2 Stations

The IXW-MA will only recognize the **change contact** transmission trigger. All other transmission triggers will be ignored by the adaptor. The transmission trigger is sent from the station receiving the release command to the IXW-MA. The following process outlines the settings required to send this SIF event by the door station.



Station Information					Function Settings							
Identification					SIF							
#	Number	Name	Location	Station Type	SIF Functionality	SIP URI Format	No.01 SIF Settings					
							Program Type	IPv4	IPv6	Destination Port	SSL	Connection
0001	101	IX-MV7-HB		IX-MV7-*	Disable	Disable						
0002	102	IX-MV7-B		IX-MV7-*	Disable	Disable						
0003	103	IX-MV		IX-MV	Disable							
0004	201	IX-DV		IX-DV, IX-DVF(-*)	Enable	Disable	0100	192.168.1.17		65014	Enable	Socket
0005	202	IX-DA		IX-DA, IX-DF(-*)	Disable							
0006	301	IX-SS-2G		IX-SS-2G	Disable	Disable						
0007	302	IX-RS		IX-RS-*	Disable	Disable						
0008	401	IXW-MA		IXW-MA	Disable	Disable						

**Note:**  
 These settings will need to be configured for each **source** of the SIF event, not the IXW-MA.

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

**1.2 - Enable**  
 Enable **SIF Functionality**.

**1.3 - Program Type**  
 Enter **0100**.

**1.4 - IPv4 Address**  
 Enter the **IPv4 Address** of the IXW-MA.

**1.5 - Destination Port**  
 Enter 65013 if **SSL is Disabled**, Enter 65014 if **SSL is Enabled**.

**1.6 - Connection**  
 Use the **Connection** drop-down menu to select **Socket**.

**1.7 - Scroll Right**  
 Scroll the window to the right until the **Change contact** column is displayed.

**1.8 - Change Contact**  
 Check the **Change contact** box for each station that will communicate with the IXW-MA.

**1.9 - Update**  
 Click **Update** to store the settings and continue to the next step.

# Configuring IX Series 1 Stations to Communicate with the IXW-MA

## IMPORTANT

The IX Series 1 stations will only work with the IXW-MA adaptor loaded with firmware version 2.01 or later. Ensure that the IXW-MA being used has a compatible firmware.

## Step 1: Creating the SIF.ini File

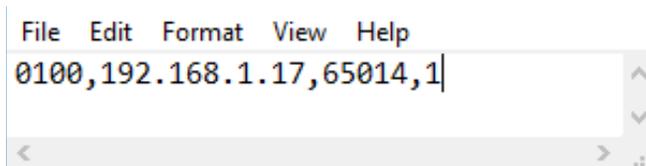
Creating a line of code, in the form of a .ini file, is required to allow an IX Series 1 (IX-DA, IX-BA, IX-MV) device to communicate to the IXW-MA. The example below is shown using a common text editor (i.e. Notepad), and saving it with a .ini extension.

**Program Type:** Must be binary number 0100.  
**IXW-MA IP Address:** IP address assigned to the IXW-MA.  
**Destination Port:** Port number assigned on the IXW-MA. **Enter 65013 if SSL is disabled, enter 65014 if SSL is enabled.**  
**SSL Y/N :** Input 0 if disabled, input 1 if enabled.

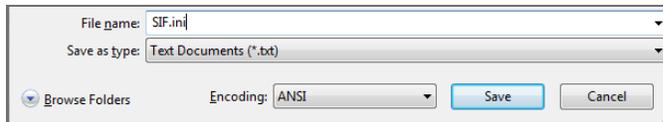
Example Text File:

```
0100,192.168.1.17,65014,1
```

Program Type      IXW-MA IP Address      Destination Port      SSL Y/N



Save the SIF file with a .ini extension (.ini must be typed manually) to a location on the PC being used for programming the IX Series 1 stations. This file must be uploaded to each device associated with the IXW-MA using the instructions that follow.



## Step 2: Enabling SIF Functionality for IX Series 1 Stations

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

**2.2 - Station View**  
Click the **Station View** button at the top of the left menu.

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

**2.4 - Enable SIF**  
Select the **Enable** radio button for SIF Functionality.

# Configuring IX Series 1 Stations to Communicate with the IXW-MA

## Step 2: Enabling SIF Functionality for IX Series 1 Stations (continued)

### 2.5 - Scroll Down

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

### 2.6 - Browse

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

### 2.7 - Upload

Click the **Upload** button to send the selected file to the station.

### 2.8 - Update

Click **Update** to save changes.

# Configuring the IXW-MA

## Step 1: Configuring the individual IXW-MA Relays

Number of Notes: 6

1. Contact Change SIF Event is associated with Change Contact of Relay Output 1 from SIF Origin
2. When set to blank, it will perform in association with the contact change of Relay Output 1 on a

#	Station Information			Option Input / Relay Output Settings	
	Number	Name	Loc	Station Type	Relay Output
0001	101	IX-MV7-HB		IX-MV7-*	Door Release
0002	102	IX-MV7-B		IX-MV7-*	Door Release
0003	103	IX-MV		IX-MV	Door Release
0004	201	IX-DV		IX-DV, IX-DVF(-)	Door Release
0005	202	IX-DA		IX-DA, IX-DF(-*)	Door Release
0006	301	IX-SS-2G		IX-SS-2G	Door Release
0007	302	IX-RS		IX-RS-*	Door Release
0008	401	IXW-MA		IXW-MA	Contact Change SIF Event

### 1.1 - Relay Output

From the menu on the left, expand **Option Input / Relay Output Settings** and select **Relay Output**.

### 1.2 - Select Relay Output

Use the Relay Output drop-down menu to select a relay output.

### 1.3 - Function

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

# Configuring the IXW-MA

## Step 1: Configuring the individual IXW-MA Relays (continued)

**Table View** | Row: [Enter Number] | [Previous] [Next] | [Display Settings] | Relay Output 1 | [Weekly Schedule] | [Daily Schedule] | Display Range: 1 - 3

**Station View**

#	Number	Name	Loc.	Station Type	Relay Output 1	Relay Output 1 (Output Time is valid when Relay Output function is e
0001	101	IX-MV7-HB	IX-MV7-*			
0002	102	IX-MV7-B	IX-MV7-*			
0003	103	IX-MV	IX-MV			
0004	201	IX-DV	IX-DV, IX-DVF(-*)			
0005	202	IX-DA	IX-DA, IX-DF(-*)			
0006	301	IX-SS-2G	IX-SS-2G			
0007	302	IX-RS	IX-RS-*			
0008	401	IXW-MA	IXW-MA	201	Open	

### 1.4 - Contact Change SIF Event

Scroll the window to the right until **Relay Output 1, Contact Change SIF Event** is displayed.

### 1.5 - Select a Station

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

### 1.6 - Update

Click **Update** to save changes.

## Associating Relay Output 2

Configure relay 2 of the door station to trigger when the door places a call. This could in turn be used to trigger a relay on the IXW-MA for the purpose of external signaling.

### Step 1: Configuring door station's relay output 2

#### 1.1 - Relay Output

From the menu on the left, expand **Option Input / Relay Output Settings** and select **Relay Output**.

**Table View** | Row: [Enter Number] | [Previous] [Next] | [Display Settings] | Relay Output 2 | [Weekly Schedule] | [Daily Schedule] | Display Range: 1 - 3

**Station View**

#	Number	Name	Location	Station Type	Relay Output 2	Status Output 2
0001	101	X-MV7-HB		IX-MV7-*	No Function	
0002	102	X-MV7-B		IX-MV7-*	No Function	
0003	103	X-MV		IX-MV		
0004	201	X-DV		IX-DV, IX-DVF(-*)	Status Output	<input checked="" type="checkbox"/>
0005	202	X-DA		IX-DA, IX-DF(-*)		
0006	301	IX-SS-2G		IX-SS-2G		
0007	302	X-RS		IX-RS-*		
0008	401	IXW-MA / 2.4.5		IXW-MA	Contact Change SIF Event	
0009	500	X Mobile		IX-MV		

#### 1.2 - Select Relay Output

Use the **Relay Output** drop-down menu to select **Relay Output 2**.

#### 1.3 - Function

Use the **Function** drop-down menu to select **Status Output**.

#### 1.4 - Status Output

Locate **Outgoing Call** column and check the **Normal** box.

# Associating Relay Output 2 (cont.)

## Step 2: Configuring IXW-MA's relay output

**Table View**

Row: [Enter Number] [Previous] [Next] [Display] [Relay Output 2] [Weekly Schedule] [Daily Schedule] [Schedule View Adjustment] [7] [2]

Number of Notes: 6  
 1. Contact Change SIF Event is associated with Change Contact of Relay Output 1 from SIF Origination Station.  
 2. When set to blank, it will perform in association with the contact change of Relay Output 1 on all SIF command originating stations.

#	Number	Name	Location	Station Type	Relay Output 2
0001	101	IX-MV7-HB		IX-MV7-*	No Function
0002	102	IX-MV7-B		IX-MV7-*	No Function
0003	103	IX-MV		IX-MV	
0004	201	IX-DV		IX-DV, IX-DVF(-)	No Function
0005	202	IX-DA		IX-DA, IX-DF(-)	
0006	301	IX-SS-2G		IX-SS-2G	
0007	302	IX-RS		IX-RS*	
0008	401	IXW-MA		IXW-MA	Contact Change SIF Event
0009	500	IX Mobile		IX-MV	

### 2.1 - Function

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

**Table View**

Row: [Enter Number] [Previous] [Next] [Display] [Relay Output 2] [Weekly Schedule] [Daily Schedule] [Schedule View Adjustment] [7] [120] [1] [3] [Change to Daily Schedule Display] [Name] [Move to Related Setting]

Number of Notes: 6  
 1. Contact Change SIF Event is associated with Change Contact of Relay Output 1 from SIF Origination Station.  
 2. When set to blank, it will perform in association with the contact change of Relay Output 1 on all SIF command originating stations.

#	Number	Name	Location	Station Type	Relay Output 2	Relay Output 2 (Output Time is valid when Relay Output function is se)	Relay Output 2
0001	101	IX-MV7-HB		IX-MV7-*			6609 Operation Sound
0002	102	IX-MV7-B		IX-MV7-*			5184 Operation Sound
0003	103	IX-MV		IX-MV			1584
0004	201	IX-DV		IX-DV, IX-DVF(-)			2878 Operation Sound
0005	202	IX-DA		IX-DA, IX-DF(-)			8857 Operation Sound
0006	301	IX-SS-2G		IX-SS-2G			4369 Operation Sound
0007	302	IX-RS		IX-RS*			5776 Operation Sound
0008	401	IXW-MA		IXW-MA			
0009	500	IX Mobile		IX-MV			9087

### 2.2 - Scroll Right

Scroll the window to the right until the **Contact Change SIF Event** column is displayed.

### 2.3 - Station Number

Enter the Station Number of the device that will communicate with the IXW-MA.

### 2.4 - Update

Click **Update** to save changes.

### 2.5 - Identification

From the menu on the left, expand **Station Information** and select **Identification**.

### 2.6 - Name

Enter the relay output number associated with other device's relay output 2. See note for example.

### 2.7 - Update

Click **Update** to save changes.

**Table View**

Row: [Enter Number] [Previous] [Next] [Display] [Add Station] [Related Setting]

Number of Notes: 2  
 1. Locations must be created in the Location Registry before the  
 2. Station Type cannot be changed once registered. To modify,

#	Number	Name	Location	Station Type
0001	101	IX-MV7-HB		IX-MV7-*
0002	102	IX-MV7-B		IX-MV7-*
0003	103	IX-MV		IX-MV
0004	201	IX-DV		IX-DV, IX-DVF(-)
0005	202	IX-DA		IX-DA, IX-DF(-)
0006	301	IX-SS-2G		IX-SS-2G
0007	302	IX-RS		IX-RS*
0008	401	IXW-MA / 2.4.5		IXW-MA
0009	500	IX Mobile		IX-MV

### Note:

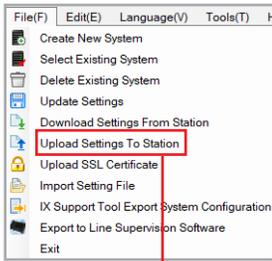
The only way the IXW-MA can recognize the door station's 2nd output is by following this naming convention.

A situation when you would name the IXW-MA would be: "When relay output 2 of IX-DV is fired, then IXW-MA fires relay output 4", enter " / 4 " in the Name column.

If you would like to use multiple relay output 2, you can combine the number separated by "."

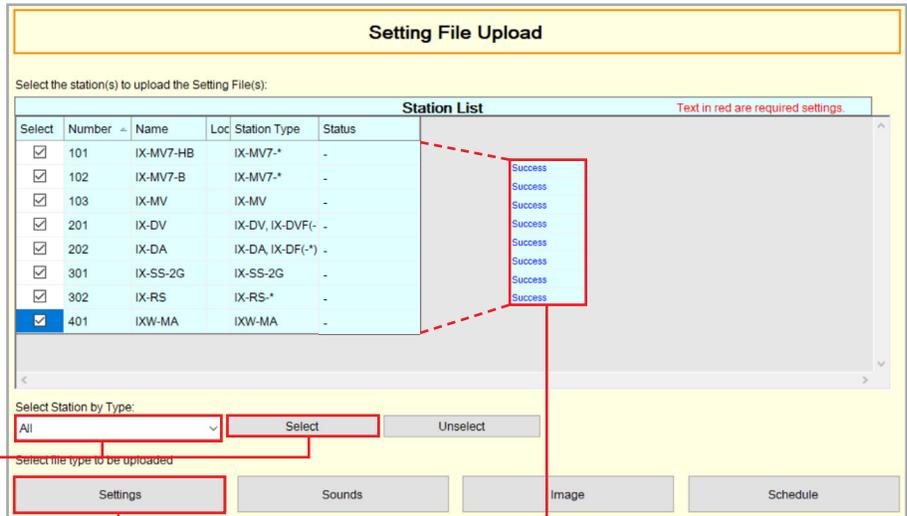
Example: / 2.4.6.8.10

# Uploading Settings to Stations



## 1.1 - Upload

Click **File** from the top menu bar and select **Upload Settings to Station**.



## 1.2 - Select

Stations can be selected individually, or by Type. Choose **All** from the **Select Station by Type** drop-down menu to upload to all stations. Then, click **Select**.

## 1.3 - Settings

Click **Settings** to upload the Setting Files to the selected stations.

## 1.4 - Success

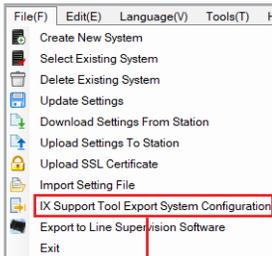
Verify that each station was uploaded successfully in the **Status** column.

# Exporting the Settings

### Note:

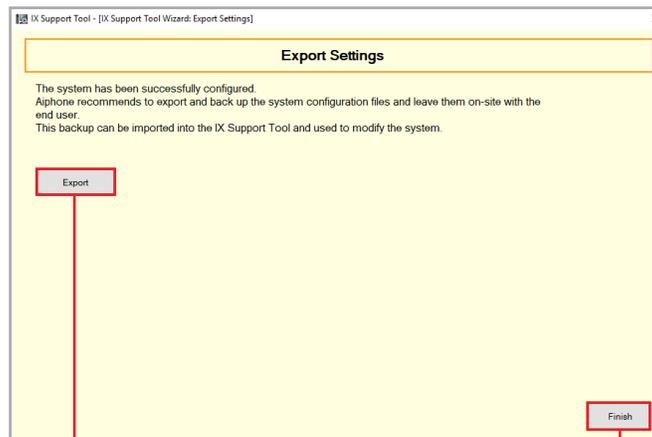


If the original program file is lost, or Support Tool is moved to a different PC, this copy can be used to access the system programming to add or remove a station, or to make programming changes.



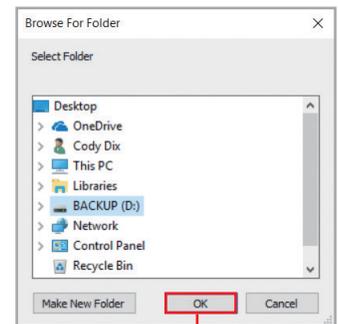
## 1.1 - Export Settings

Click **File** from the top menu bar and select **Export System Configuration**.



## 1.2 - Export

Click **Export**.



## 1.3 - Select Folder

Select location to save the file then click **OK**.

## 1.4 - Finish

Click **Finish**.

# IX Mobile

IX Mobile is an app for iOS (v8.0+) and Android (v4.1+) turning a mobile device into an IX Series sub master. This allows 2-way audio communication, video, and door release. Four shortcut buttons can be configured to initiate a call to specific stations, groups, or page.

The following steps assist in the configuration of an IX Series system with IX Mobile and the configuration of IX Mobile on a mobile device.

Requirements: A system must contain at least one IX-MV/MV-7 and one IXW-MA for every 8 instances of IX Mobile. IX Mobile also requires a constant connection to the network the IX Series system is deployed on, utilizing either a Wi-Fi or VPN connection.

Note Station Information here to refer to later

Number	Name	IP Address
		. . .
		. . .
		. . .
		. . .
		. . .
		. . .
		. . .
		. . .
		. . .

## Adding a Mobile Device to the Support Tool

Connect all IX Series stations and the programming PC to a PoE switch. Open IX Support Tool on the programming PC.

### Step 1: Adding a Mobile Device as an IX-MV

**Tools(T)**

- Station Search
- Association Settings
- Station Replacement
- Restore System Settings
- System Configuration**

**1.1 - System Configuration**

From the tool bar, click Tools(T) and select System Configuration to open a new window.

**System Configuration**

1. Select the setting file to be linked with the chosen station:

Select	Number	Name	Location	Station Type	Hostname	IP Address	Associated
<input checked="" type="radio"/>	101	IX-MV7-HB		IX-MV7-*		192.168.1.10	-
<input type="radio"/>	102	IX-MV7-B		IX-MV7-*		192.168.1.11	-
<input type="radio"/>	103	IX-MV		IX-MV		192.168.1.12	-
<input type="radio"/>	201	IX-DV		IX-DV, IX-DVF(-)		192.168.1.13	-
<input type="radio"/>	202	IX-DA		IX-DA, IX-DF(-)		192.168.1.14	-
<input type="radio"/>	301	IX-SS-2G		IX-SS-2G		192.168.1.15	-
<input type="radio"/>	302	IX-RS		IX-RS*		192.168.1.16	-
<input type="radio"/>	401	IXW-MA		IXW-MA		192.168.1.17	-

Advanced Settings

System Management

Address Book    Door Release    **Add New Station**

Station Details    Batch IP Address Configuration    Station Removal

**1.2 - Add New Station**

Click **Add New Station**.

**1.3 - Adding a Station**

Use the Station Type drop-down to select IX-MV, and enter the quantity of mobile devices being added.

**Note:**

Aiphone recommends assigning a unique station **Number** and **Name**.

**Add New Station**

Select Station Type and enter the number of stations, then click "Add".  
Up to 50 stations can be added at a time.

Station Type: IX-MV    1    Station(s)    Add

Number	Name	Location	Station Type
500	IX Mobile		IX-MV

Text in red are required settings.

OK    Cancel

**1.4 - Add**

Click **Add**.

**1.5 - OK**

Click **OK**.

# Adding a Mobile Device to the Support Tool (cont.)

**System Configuration**

1. Select the setting file to be linked with the chosen station:

Select	Number	Name	Location	Station Type	Hostname	IP Address	Associated
<input checked="" type="radio"/>	101	IX-MV7-HB		IX-MV7-*		192.168.1.10	-
<input type="radio"/>	102	IX-MV7-B		IX-MV7-*		192.168.1.11	-
<input type="radio"/>	103	IX-MV		IX-MV		192.168.1.12	-
<input type="radio"/>	201	IX-DV		IX-DV, IX-DVF(*)		192.168.1.13	-
<input type="radio"/>	202	IX-DA		IX-DA, IX-DF(*)		192.168.1.14	-
<input type="radio"/>	301	IX-SS-2G		IX-SS-2G		192.168.1.15	-
<input type="radio"/>	302	IX-RS		IX-RS-*		192.168.1.16	-
<input type="radio"/>	401	IXW-MA		IXW-MA		192.168.1.17	-
<input type="radio"/>	500	IX Mobile		IX-MV		192.168.1.18	-

Advanced Settings: Address Book, Door Release, Station Details, Batch IP Address Configuration

System Management: Add New Station, Station Removal

Scroll Down

Scroll Down

Remove Association, Retry Association, Next, Cancel

**1.6 - Next**  
Click **Next**.

IX Support Tool

Warning: Some station have not been associated. Continue?

OK, Cancel

**1.7 - OK**  
Click **OK**.

**Note:**  
IX Mobile will never need to be associated or uploaded to through the Support Tool. The setting files will be transferred manually.

**Setting File Upload**

Select the station(s) to upload the Setting File(s):

Select	Number	Name	Location	Station Type	IP Address	Status
<input type="checkbox"/>	101	IX-MV7-HB		IX-MV7-*		-
<input type="checkbox"/>	102	IX-MV7-B		IX-MV7-*		-
<input type="checkbox"/>	103	IX-MV		IX-MV		-
<input type="checkbox"/>	201	IX-DV		IX-DV, IX-DVF(*)		-
<input type="checkbox"/>	202	IX-DA		IX-DA, IX-DF(*)		-
<input type="checkbox"/>	301	IX-SS-2G		IX-SS-2G		-
<input type="checkbox"/>	302	IX-RS		IX-RS-*		-
<input type="checkbox"/>	401	IXW-MA		IXW-MA		-

Connection Status 0/0

Select Station by Type: All, Select, Unselect

This PC's IP Address: 172.18.10.91

Manual Date / Time Setup, Start Upload, Next, Finish

**1.8 - Finish**  
Click **Finish**.

# Configuring the IXW-MA for IX Mobile

Each mobile device added to Support Tool will need to be listed in the IXW-MA. Fill out the SIF Settings table with each mobile device's IPv4 address.

## 2.1 - Station View

From the menu on the left, click **Station View**.

## 2.3 - Select IXW-MA

Use the number drop-down and select the IXW-MA, and click **Select**.

## 2.2 - SIF

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

**Update**

SIF Settings						
#	Program Type 0000-1111	IPv4 1.0.0.1-223.255.255.254 or hostname(1-64 alphanumeric characters)	IPv6 ::FF:0-FE:FF:FFFF:FFFF:FFFF:FFFF:FFFF or hostname(1-64 alphanumeric characters)	Destination Port 1-65535	SSL	Connection
01	1111	192.168.1.18		5061	Disable	Socket
02						
03						
04						
05						
06						
07						
08						

## 2.4 - Program Type

Enter **1111** as the Program Type.

## 2.5 - IPv4

Enter the IP Address of the Mobile Device(s).

## 2.6 - Destination Port

Enter **5061** as the Destination Port.

## 2.7 - Connection

Use the drop-down and select **Socket**.

## 2.8 - Update

Once all Mobile Devices have been added to the list, click **Update**.

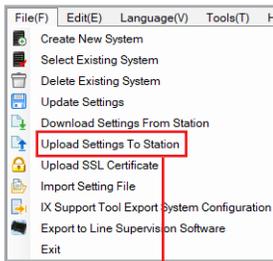
### Note:



A maximum of **8 Mobile Devices per IXW-MA** can be added to the system.

## Uploading the Setting File

The setting changes made in the previous steps will need to be uploaded to every station with the exception of the IX Mobile devices.

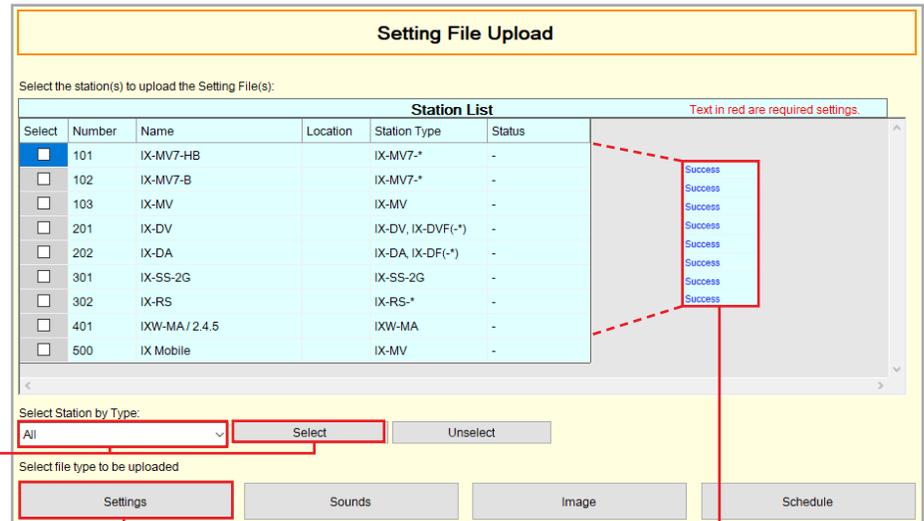


### 3.1 - Upload

Click **File** from the top menu bar and select **Upload Settings to Station**.

### 3.2 - Select

Stations can be selected individually, or by Type. Choose **All** from the **Select Station by Type** drop-down menu to upload to all stations. Then, click **Select**.



### 3.3 - Settings

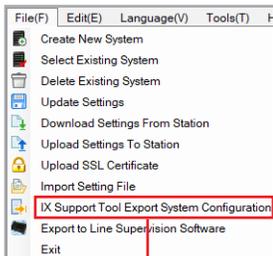
Click **Settings** to upload the Setting Files to the selected stations.

### 3.4 - Success

Verify that each station was uploaded successfully in the **Status** column.

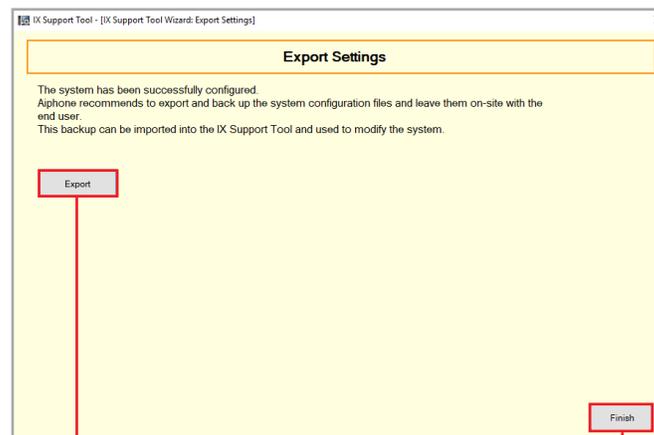
## Exporting the Setting File

Each mobile device configured in the Support Tool will have a setting file generated. To upload the setting file to the mobile device it is required to export the settings from the Support Tool.



### 1.1 - Export Settings

Click **File** from the top menu bar and select **Export System Configuration**.

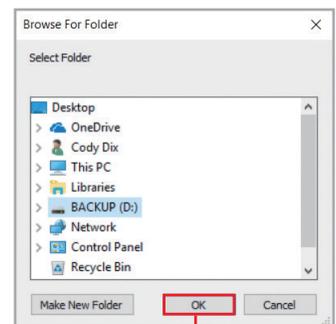


### 1.2 - Export

Click **Export**.

### 1.4 - Finish

Click **Finish**.



### 1.3 - Select Folder

Select location to save the file then click **OK**.

Navigate to the location that you exported the system settings to. Open the file and click on the Setting folder. Locate the configuration file with the same number that was assigned to the mobile station in IX Support Tool. Copy the configuration file to a location on the programming PC that can easily be transferred to the mobile device.

Configuration File Example: 

# Downloading IX Mobile (iOS)

In order to continue you will need iTunes on the programming PC, as well as IX Mobile on each mobile device.

Download IX Mobile from the [App Store](#)<sup>SM</sup>



App Store is a service mark of Apple Inc.

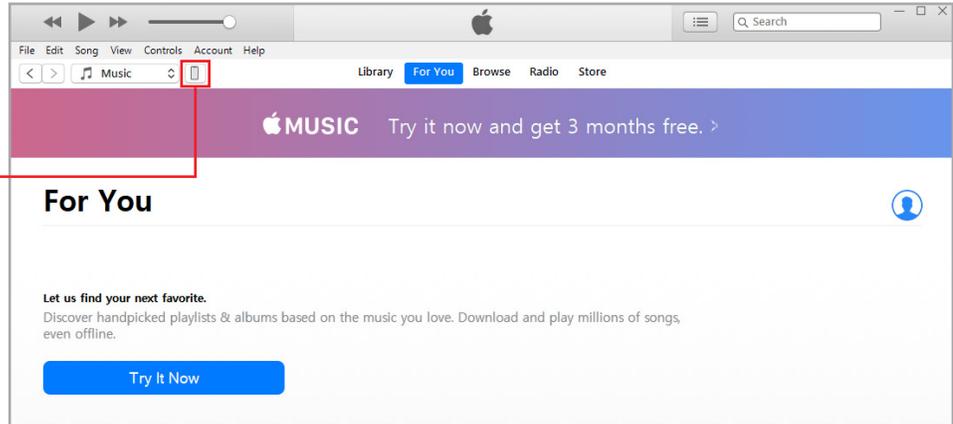
# Transferring the Setting File (iOS)

## 1.1 - Transfer File

Open iTunes and connect the Mobile Device to the PC.

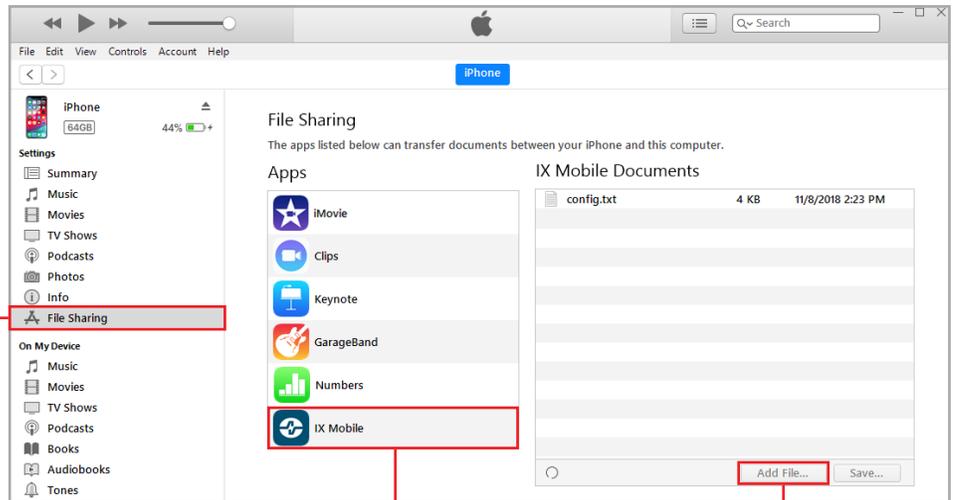
## 1.2 - Device

Click the icon of the Mobile Device.



## 1.3 - File Sharing

Click File Sharing.



## 1.4 - Select IX Mobile

Click the icon of IX Mobile.

## 1.5 - Add File

Click **Add File...** and select the mobile device's setting file.

Apple, the Apple logo, iPhone, iPad, iPod touch, and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries. The App Store is a service mark of Apple Inc.

# Downloading IX Mobile (Android)

In order to continue you will need IX Mobile on each mobile device.

Download IX Mobile using [Google Play](#)™



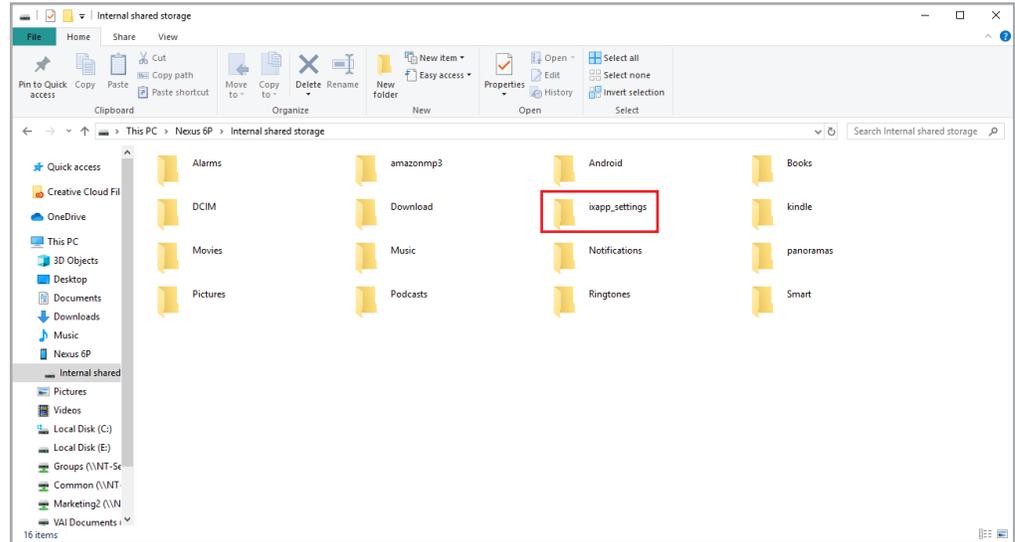
# Transferring the Setting File (Android)

## 1.1 - Transfer File

Connect the Mobile Device to the PC.

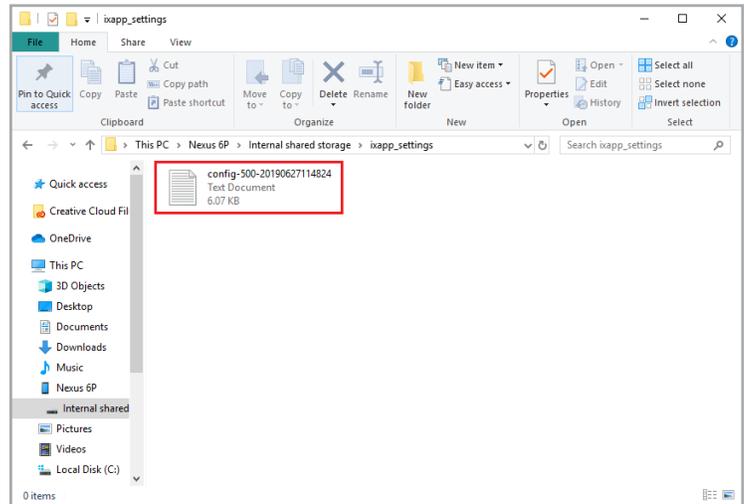
## 1.2 - ixapp\_settings

Locate and open the **ixapp\_settings** folder.



## 1.3 - Transfer File

Paste the mobile device's setting file in this folder.



### Note:



If the mobile device is connected to the PC and no folders are displayed, ensure that the Android device is set to "Use USB to transfer files" and not "Charging". Refer to the manufacturer's manual for further instructions.

## Setting a Static IP Address (iOS)

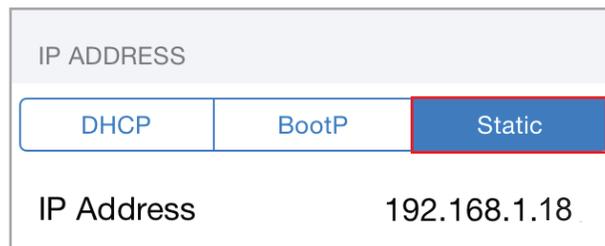
### 1.1 - Connecting

Connect to the WiFi network associated with the IX Series system installation. Once connected, tap on  icon of the connected network.



### 1.2 - Assigning IP Address

Tap **Static** and enter the IP Address that was assigned when configuring the mobile device with the IX Support Tool.



## Setting a Static IP Address (Android)

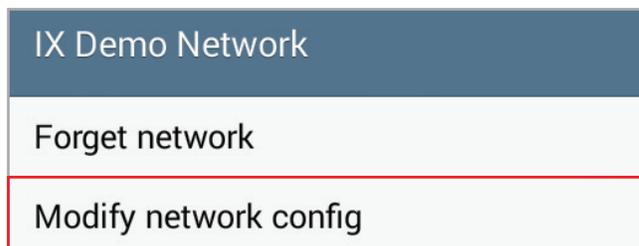
### 1.1 - Connecting

Connect to the WiFi network associated with the IX Series system installation. Once connected, tap and hold on the connected network.



### 1.2 - Modify Network Config

A pop-up will appear. Tap **Modify network config**.



### 1.3 - Advanced Options

Check the box beside **Show advanced options**.



### 1.4 - Assigning IP Address

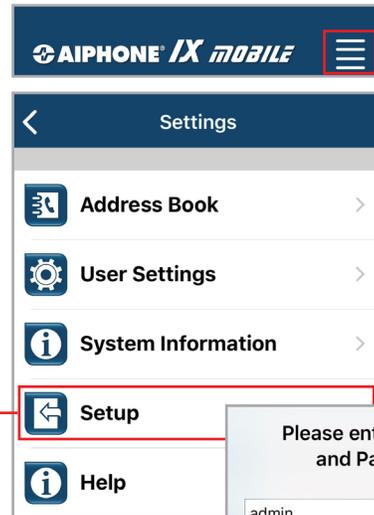
Under IP settings, select **Static** and enter the IP Address that was assigned when configuring the app with the IX Support Tool. Once entered, tap Save.



# Configuring IX Mobile

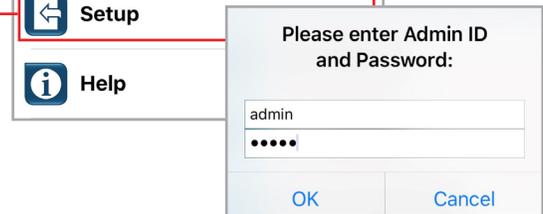
## 1.1 - Transfer File

Open IX Mobile, and tap the settings icon.



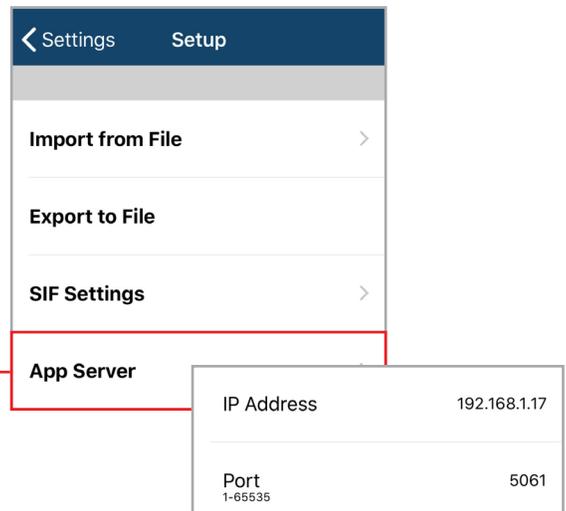
## 1.2 - Setup

Tap **Setup**.  
Enter the Admin ID and Password and tap **OK**.  
Default ID: admin  
Default Password: admin



## 1.3 - App Server

Tap **App Server**.  
Enter the **IP Address** of the IXW-MA and **Port Number**.  
Default Port: 5061



## 1.4 - Import Setting File

Tap **Import from File**.  
Select the setting file that was transferred to the mobile device in previous steps and tap **OK**.

