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IX|IXG Series
IXGW-LC Programming Guide

The IXGW-LC is a lift controller adaptor for the IX|IXG Series that features 20 Form C relays. It can be used to trigger inputs on a lift control system, or it can function as a door release relay for IXG-DM7-HIDA entrance stations.

These instructions assume that the other IX|IXG Series stations have already been programmed using IXG Support Tool, and that a copy of the system's configuration is available.
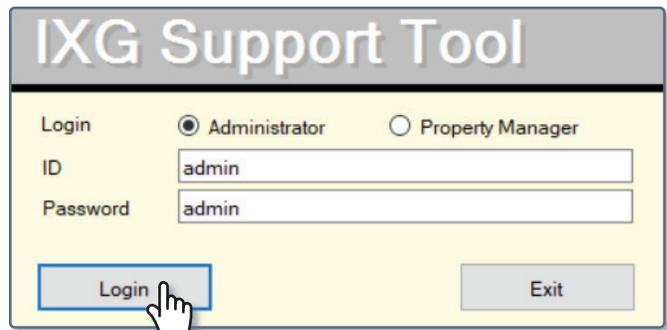
IXG Support Tool can be downloaded from here: https://www.aiphone.com/IXG-SupportTool.

See this link for instructions on exporting and importing a configuration from another PC: https://www.aiphone.com/ixg-export-import.

For more programming instructions, see the IXG Series Multi-Tenant Quick Start Guide: https://www.aiphone.com/IXG-Series-QuickStartGuide.

Adding an IXGW-LC to a System

Open IXG Support Tool and click **Login** to sign in as an administrator. If this is the first time that IXG Support Tool is being opened on a PC, the credentials will be admin and admin. Follow the prompts to change the password, and record it for future use. The login ID will still be admin.

Navigate to **Lift Control Settings**, Registration on the side menu. For each IXGW-LC to be added, check the box in the Enable column. If the site has multiple buildings, also assign the station to a building under Building Number. If there will be multiple adaptors on the system, provide each with a descriptive name for ease of identification. Once everything is configured, click **Save**.

Navigate to **Network Settings**, IP Address on the side menu. Assign each station to be added an IP address and subnet mask. Other network information may be needed. Consult with the network administrator for the appropriate settings. Once everything is filled out, click Save .

Unit Number	Station Name	IP Address										
					IPv4 Address							
		Hostname	IP Version	Static / DHCP	IP Address				Subnet Mask			
					1	2	3	4	1	2	3	4
100	Master Station1		IPv4	Static	192	168	1	15	255	255	255	0
101	Tenant Station1		IPv4	Static	192	168	1	16	255	255	255	0
200	Video Door Station1		IPv4	Static	192	168	1	17	255	255	255	0
300	Entrance Station1		IPv4	Static	192	168	1	18	255	255	255	0
	Elevator		IPv4	Static	192	168	1	19	255	255	255	0
	Door Release		IPv4	Static	192	168	1	20	255	255	255	0

To apply the network settings to the newly added stations, navigate to **Connection(S)**, Association Settings on the top menu. A station search will begin. Click Cancel on the pop-up window after a few seconds.

The Station Settings List represents the settings configured in IXG Support Tool, while the Station List shows the result of the station search. Select any unassociated station from the Station Settings List and a matching station from the Station List. Click Apply . Repeat these steps for each station to be added.

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

Station Settings List

Select	Building Nu	Unit Number	Station Name	Station Type	Hostname	IP Address	Subnet Mask	Associated
●	01	1000	Entrance Station1	IXG-DM7(-*)		192.168.1.9	255.255.255.0	-

Station List

Select	Building Nu	Unit Number	Station Name	Station Type	IP Address	Subnet Mask	MAC Address	Associated
○			Master Station1	IX-MV7-*	192.168.1.12	255.255.255.0	00:0B:AA:2F:45:6C	-
○			Guard Station1	IXG-MK	192.168.1.11	255.255.255.0	00:0B:AA:42:00:47	-
○			Gateway Adaptor1	IXGW-(T)GW	192.168.1.30	255.255.255.0	00:0B:AA:4C:02:8E	-
○			Video Door Station1	IX-EA,IX-EAU	192.168.1.13	255.255.255.0	00:0B:AA:2A:0A:97	-
○			Video Door Station2	IX-DV,IX-DVF(-*)	192.168.1.15	255.255.255.0	00:0B:AA:27:0B:E7	-
○			Tenant Station1	IXG-2C7(-*)	192.168.1.10	255.255.255.0	00:0B:AA:3E:07:CB	-
○			I/O Adaptor1	IXW-MA	192.168.1.16	255.255.255.0	00:0B:AA:2E:03:58	-
●			Entrance Station1	IXG-DM7(-*)	192.168.1.9	255.255.255.0	00:0B:AA:41:04:6F	-

  Apply

This will assign the Station Name and IP Address to the station and cause it to reboot. This process usually takes several minutes.

Scroll down to the Associated Stations List to confirm the stations were successfully associated. The stations' IP and MAC addresses will be listed.

If the wrong station information was associated with a station, select that station from this list and click Remove Association . Once removed, scroll up and associate the correct station.

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

Associated Stations List

Select	Building Nu	Unit Number	Station Name	Station Type	IP Address	Subnet Mask	MAC Address	Status
☐	01	1002	Guard Station1	IXG-MK	192.168.1.11	255.255.255.0	00:0B:AA:42:00:47	Success
☐	01	1003	Master Station1	IX-MV7-*	192.168.1.12	255.255.255.0	00:0B:AA:2F:45:6C	Success
☐	01	1003	Video Door Station1	IX-EA,IX-EAU	192.168.1.13	255.255.255.0	00:0B:AA:2A:0A:97	Success
☐			Gateway Adaptor1	IXGW-(T)GW	192.168.1.30	255.255.255.0	00:0B:AA:4C:02:8E	Success
☐	01	1004	Video Door Station1	IX-DVM	192.168.1.14	255.255.255.0	00:0B:AA:57:00:40	Success
☐	01	1004	Video Door Station2	IX-DV,IX-DVF(-*)	192.168.1.15	255.255.255.0	00:0B:AA:27:0B:E7	Success
☐			I/O Adaptor1	IXW-MA	192.168.1.16	255.255.255.0	00:0B:AA:2E:03:58	Success

  Remove
  Association

  Retry Association

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Pick Up Floor – Call Mode

By default, the IXGW-LC's outputs are configured to integrate with lift control systems. When operating in this mode, assigned pick up floor relays will fire as soon as an IXG-DM7-HIDA places a call. This will trigger a function programmed on a third party lift control system, usually sending an elevator car to the same floor as the IXG-DM7-HIDA.

Navigate to **Lift Control Settings**, <u>Pick Up Floor</u> on the side menu. Use the drop-down menus under <u>Filter</u> to select the building and entrance station, then click Apply.

Filter

| Building Number / Building Name | 01/Building1 |
| Adaptor Number / Name | 01/Elevator | Apply |

This will display a list of entrance stations located in that building. Each column represents a different output on the IXGW-LC. Put a check mark next to each output that should trigger when a call is placed. Click Save. Repeat these steps for each entrance and IXGW-LC, as needed.

Building Nu	Unit Number	Station Name	Pick Up Floor								
			01/Elevator								
			Relay Output Terminal								
			1	2	3	4	5	6	7	8	9
01	300	Entrance Station1	☑	☐	☐	☐	☐	☐	☐	☐	☐

Pick Up Floor – Door Release Mode

When an IXGW-LC is configured for door release, the settings are the same as when it is used for lift control. The timing on any relays programmed under **Lift Control Settings**, <u>Pick Up Floor</u> changes. Instead of activating whenever the IXG-DM7-HIDA places a call, it activates when the IXG-DM7-HIDA's door release output is activated by another station or app.

> ℹ️ *Only IXG-DM7-HIDA entrance stations can use the door release function. Use the IXW-MAA for other door stations.*

The same IXGW-LC cannot be used for both on-call pick up floor and door release functions at the same time. Other lift control functions are not affected.

To set the IXGW-LC for door release mode, navigate to **Lift Control Settings**, <u>Registration</u> on the side menu. Add **RY20** to the name of the desired station or stations. Click Save.

> ℹ️ *Using this feature requires enhanced firmware. See the firmware update instructions later in this document.*

Adaptor Number	Registration	
	Enable	Station Name
1	☑	Elevator
2	☑	Door Release RY20
3		

Arrival Floor Settings

Different relays can also be assigned to specific units. This is typically used to restrict access so that visitors can only visit the floor of the unit they are calling.

To configure this setting, navigate to **Lift Control Settings**, <u>Arrival Floor</u> on the side menu. Use the drop-down menu under <u>Filter</u> to select the appropriate building and adaptor. Click **Apply** .

Filter	
Building Number / Building Name	01/Building1
Adaptor Number / Name	01/Elevator Apply

Place a check next to the desired outputs for any units on the system. Note that multiple units can be assigned to the same output, representing units on the same floor. Click **Save** . Repeat these settings for each entrance and IXGW-LC, as needed.

Building Nu	Unit Number	Unit Name	01/Elevator								
			Relay Output Terminal								
			1	2	3	4	5	6	7	8	9
01	100	Commercial100	☐	☐	☐	☐	☐	☐	☐	☐	☐
01	101	Residential101	☐	☐	☐	☐	☐	☐	☐	☐	☐

Building Exit (IXG-2C7 Only)

IXG-2C7 tenant stations feature a lift control button. When pressed, this button can activate an output on the IXGW-LC. This is usually used to trigger an input on the lift control system, summoning an elevator cab to the unit's floor.
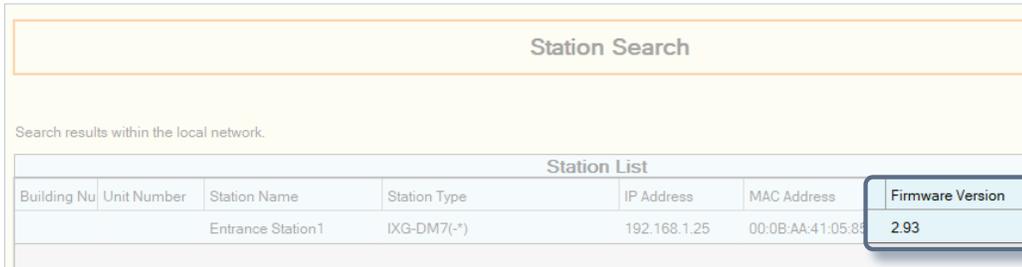
To configure the lift control button, navigate to **Lift Control Settings**, <u>Building Exit</u> on the side menu. Use the <u>Filter</u> menu at the top of the page to select the appropriate building and IXGW-LC, then click **Apply** .

Filter	
Building Number / Building Name	01/Building1
Adaptor Number / Name	01/Elevator Apply

Use the drop-down menu under <u>Lift Control Button</u> to enable the station's button, then place a check mark on the appropriate outputs. Click **Save** . Repeat these settings for each unit or IXGW-LC, as needed.

Building Nu	Unit Number	Unit Name	Building Exit						
				01/Elevator					
			Lift Control Button	Relay Output Terminal					
				1	2	3	4	5	6
01	101	Residential101	Enable	☐	☐	☐	☐	☐	☐

Updating Firmware

All stations should have their firmware kept up to date. To check the current firmware version of the stations, select **Connection(S)**, Station Search on the top menu. A station search will begin automatically. Click Cancel after a few seconds. The current firmware version will be displayed to the right.
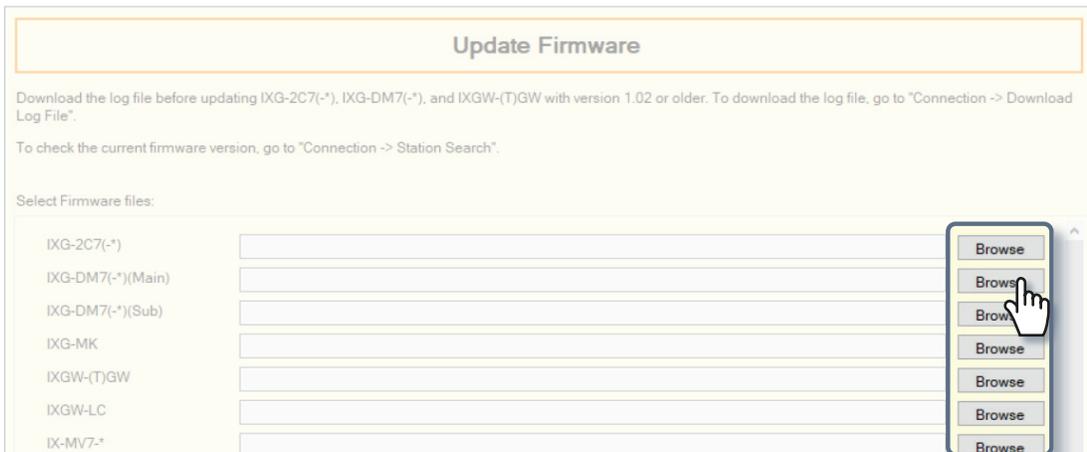

Check the latest IX|IXG Series firmware versions at www.aiphone.com/kbtopic/firmware-ix-ixg. If a station's firmware is out of date, download and extract the compressed file for that station.

> ℹ️ *Door release function for the IXGW-LC requires enhanced firmware, version 4.81 or higher.*

Navigate to **Maintenance**, Firmware Update on the side menu. For each type of station to be updated, click Browse to locate the firmware package on the PC.

Select all stations that will have their firmware updated and click **Update** .
This process will take several minutes, and the stations will reboot.

Do not interrupt a firmware update once it has begun, including unplugging the station. Doing so can damage the station. A notification window will appear when all firmware updates are complete.

In order to update an IXG–DM7–HIDA's sub–firmware, the built–in card reader's Wiegand connection must be connected to an access control panel.

Uploading Settings to Stations

To upload settings to the stations, navigate to **Connection(S)**, Upload Settings on the top menu.

Select each station by placing a check mark next to it, or click **Select** to select all stations at once. Click **Settings** to upload station settings. The IXGW–LC will be ready to use.

It is best practice to always update all stations in a system.

If the station upload fails immediately after a firmware update, make sure that it has finished rebooting.