

## Configuring Option Relay Control

### Introduction

Master and guard stations on the IXG Series are able to use Option Relay Control to trigger another station's relays. This allows users to unlock a door without being in communication. This can be used to unlock the primary door or for mantrap applications. This guide goes over configuring this feature.

### Compatible Station Types

IXG-MK guard stations and IX-MV7 master stations have speed dial buttons that are able to trigger another station's outputs with Option Relay Control. For simplicity, this guide will refer to both as master stations, since the configuration steps are the same.

IX-DV, IX-SSA, IX-DVM, IX-EA, and IX-SS-2G stations are compatible with this solution.

IXG-2C7 tenant stations do not have available speed dial buttons.

Option Relay Control is not available for IXG-DM7-HID entrance panels, or legacy IX-BA or IX-DA door stations.

IXG Mobile apps do not have the ability to use Option Relay Control.

Because IXW-MA, IXW-MAA, and legacy RY-IP44 IP Relay Adaptors are not programmed in the IXG Support Tool directly, they cannot be targeted by Option Relay Control.

Since door stations are the most common targets for Option Relay Control, **this guide will call the targeted station a door station.** However, master and guard stations can trigger outputs on other master or guard stations, though they cannot use Option Relay Control to trigger their own outputs.

### Programming Steps

#### Adding a Door Station in Another Unit

If the door station is in another unit, it will need to be added to the master station's address book. Navigate to **System Information, Station List**. If the door station is in the same unit as the master station, this step can be skipped.



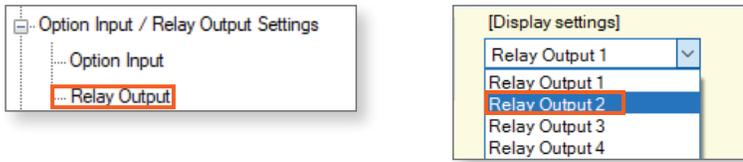
There will be a row for each master station, and a column for every station, regardless of type. Identify the desired master station and target door station, and make sure that the field has a check box in it. Repeat this for each station the master station will trigger with Option Relay Control. Click **Save**.

Building Nu	Unit Number	Station Name	1110		
			Entrance Station1 / IXG-DM7(-*)		
			Select	Network Camera	or Release But
01	111	Entrance Station1			
01	112	Tenant Station1	✓		
01	113	Guard Station1	✓		
01	114	Master Station1	✓		

1150		
Video Door Station1 / IX-DV.IX-DVF(-*)		
Select	Network Camera	or Release But
✓		
▼		
✓		

## Enabling Option Relay Control on the Door Station

Navigate to **Option Input / Relay Output Settings**, **Relay Output**. By default, **Relay Output 1** will be displayed. If Option Relay Control will be used to control a door station's secondary output, use the drop-down in **Display Settings** to switch to **Relay Output 2**.



Scroll to the right to find a column labeled **Option Relay Control**. Select the drop-down menu to change the desired door stations from **Disable** to **Enable**. There is an option to set an **Authentication Key** by scrolling to the right, which is usually not necessary. If a key is desired, enter a number and make note of it for the next step. Repeat the steps for each door station that will have a speed dial configured.

Relay Output 1 (O

Option Relay Con

Disable

Authentication Key

Option Relay Control Authentic

1234

**i** It is not possible to set multiple outputs on a door station to be triggered separately. If both are set up for Option Relay Control, both will be activated at the same time.

Click **Update**.

## Configuring the Master Station

Navigate to **Station Settings**, **Speed Dials**. Each master station can have up to eight speed dials configured. Use the **Display Settings** menu to choose the number of the desired speed dial. Use the drop-down to change the **Function** to **Option Relay Control**.

[Display settings]

Speed Dial 1

Speed Dial 1

Speed Dial 2

Speed Dial 3

Speed Dial 4

Speed Dial 5

Speed Dial 6

Speed Dial 7

Speed Dial 8

Building Nu	Unit Number	Station Name	Station Settings	
			Speed Dials	
			Speed Dial 1	
			Speed Dia	Function
01	113	Guard Station 1	1	Option Relay Control
01	114	Master Station 1	1	Option Relay Control

Scroll all the way to the right. Click **Select Stations** to open a list of available stations.

Option Relay Control		
Total	Select Station	Output Time Range
1	Select Station	0 (Momentary)
1	Select Station	(Momentary)

## Configuring the Master Station (continued)

Select the desired station or stations and click **OK**. If an Authentication Key was set in the previous step, enter it in the rightmost column and use the drop-down to enable TLS. Click **Save**. Repeat the steps until all speed dials have been configured.

Select Station Number. (1/9999)

Select	Building Nu	Unit Number	Station Nu	Station Name	Station Type
<input type="checkbox"/>	01	113	1130	Guard Station1	IXG-MK
<input type="checkbox"/>	01	114	1141	Handset Sub Station2	IX-RS-*
<input checked="" type="checkbox"/>	01	115	1150	Video Door Station1	IX-DV,IX-DVF(-*)

Select Station by Type. All Select Unselect OK Cancel

Total	Select Station	Output Time Range	Output Tir	TLS	Option Relay Co
0	Select Station	0 (Momentary)	0	Enable	
0	Select Station	0 (Momentary)	0	Disa	

## Applying Settings

Click **Save**. Navigate to **Connection**, Upload Settings, and upload settings to all stations.