# Configuring an IX-RS
# Sub Station as a Master Station

## Introduction

Most IX Series installations use IX-MV7 master stations or IX-SOFT PC master station software to answer calls from door stations. For smaller sites that will not use video features, it is possible to use an IX-RS sub station in place of a master station.

## Limitations

This solution works best for sites where a single door station calls one or more IX-RS substations. Since the IX-RS can only have a single call destination, it can struggle to manage multiple door stations. It will not be clear which door is calling the IX-RS, and it will only be able to initiate a call to a single door. A full master station is recommended for multi-door sites.

This document shows the IX-RS working with an IX-SSA door station. This is because the IX-SSA has multiple contact inputs and outputs, allowing the IX-RS to call it and be automatically answered without losing door release. This is useful in situations where the sub station needs to resume communication with the visitor at the door if the call times out, or monitor what is happening outside. The IX-DV and IX-DVF video door stations have the same features available.

IX-SS-2G, IX-EA, IX-DVM, and IX-NVP door stations can also be used with the IX-RS. However, since they only have a single input and output, they cannot automatically answer calls from the IX-RS and unlock the door on the same station. Either auto-answering or door release will need to be chosen.

On legacy IX-BA and IX-DA door stations, there is not a way to have the IX-RS initiate a call to the door station. The IX-RS can still receive calls from these door stations and unlock them.

Sites that require paging features will need to use a full master station, since the IX-RS cannot initiate a page.

## IX Support Tool Settings

Program the system using the IX Support Tool and following the IX Series Quick Start Programming Guide. Once the stations are configured, these steps will allow the door station to call the sub station, and allow the sub station to unlock the door station.

### Call Settings

Navigate to **Call Settings**, Called Stations (Door/Sub Stations). The Called Stations will be empty, since door and sub stations are not set to call each other by default. Use the drop-down menus to change the blank cell to **U**. Click Update .



Navigate to **Call Settings**, Station Information. Set the door station's Call Button Function to **Call, Answer Call, End Communication**. Click Update .

## Configuring the Door Station Relays for Auto Answer

IX door stations do not automatically answer calls from sub stations. This can be resolved by using connecting one of the relay outputs on the door station to one of the option inputs. The wiring will be covered on the next page.
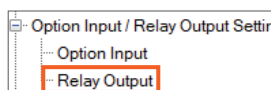
Navigate to **Option Input/Relay Output Settings**, Option Input. This will display Option Input 1, which is what this guide will show. Use the drop-down to set the door station's Function to **Answer Call/Page,** and set the Type to **Break**. Click Update.
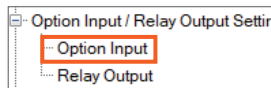
| Option Input 1 | | | |
|---|---|---|---|
| Name | Function | Type | Detection Time Range |
| | Answer Call / Page | Break ∨ | 0 (Immediate) |
| | Call | Make | 0 (Immediate) |

Navigate to **Option Input/Relay Output Settings**, Relay Output. This will display Relay Output 1, but the first relay output will be used for door release. Instead, use the drop-down under [Display Settings] to select Relay Output 2.
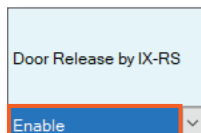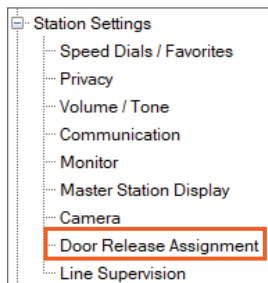
Under Relay Output 2, make sure that the Function is set for **Status Output**. Under Status Output 2, remove the check boxes under Status Output 2, and check off all three call priority levels under Incoming Call. Click Update.
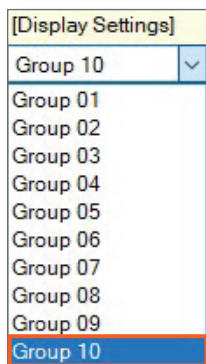
| | Option Input / Relay Output Settings | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Relay Output | | | | | | | | |
| | Relay Output 2 | | Status Output 2 | | | | | | |
| Station Type | Name | Function | Outgoing Call | | | Incoming Call | | | |
| | | | Normal | Priority | Urgent | Normal | Priority | Urgent | |
| IX-SSA(-*) | | Status Output | ☐ | ☐ | ☐ | ☑ | ☑ | ☑ | |
| IX-RS-* | | | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | |

## Enabling Door Release by IX-RS

Navigate to **Station Settings**, Door Release Assignment. Scroll all the way to the right and set the drop-down menu under Door Release by IX-RS to **Enable**. Click Update.

- Station Settings
  - Speed Dials / Favorites
  - Privacy
  - Volume / Tone
  - Communication
  - Monitor
  - Master Station Display
  - Camera
  - Door Release Assignment
  - Line Supervision

Door Release by IX-RS

Enable ∨

Navigate back to **Call Settings**, Called Stations. Use the drop-down under [Display Settings] to switch to Group 10. Find the blank cell where the IX-RS intersects the door station it will release, and set it to **U.** Click Update.

[Display Settings]

Group 10 ∨

Group 01
Group 02
Group 03
Group 04
Group 05
Group 06
Group 07
Group 08
Group 09
Group 10

| | | Call Settings | |
|---|---|---|---|
| | | Called Stations (Door/Sub Stations) | |
| | Total | Group 10 | |
| Station Type | | Number / Name / Station Type | |
| | | 0001 / Audio Station1 / IX-SSA(-*) | 0002 / Handset Sub Station1 / IX-RS-* |
| IX-SSA(-*) | 0 | | |
| IX-RS-* | 1 | U ∨ | |

## Uploading Settings

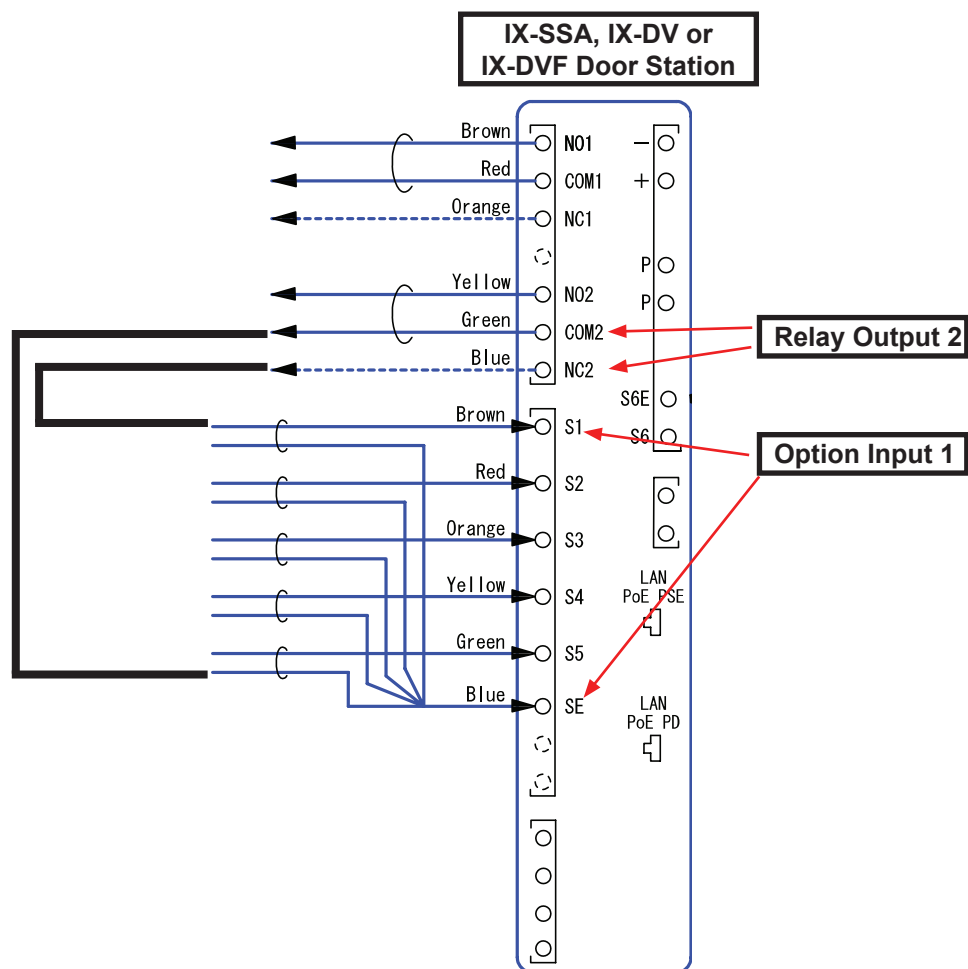Navigate to **File**, Upload Settings to Station. Select all stations and click Settings .

### Setting File Upload

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

Station List — Text in red are required settings.

| Select | Number | Name | Location | Station Type | Status |
|--------|--------|------|----------|--------------|--------|
| ☑ | 0001 | IX-SSA | | IX-SSA(-*) | - |
| ☐ | 0002 | IX-RS | | IX-RS-* | - |

Select Station by Type:

All | Select | Unselect

Select file type to be uploaded

| Settings | Sounds | Image | Schedule |
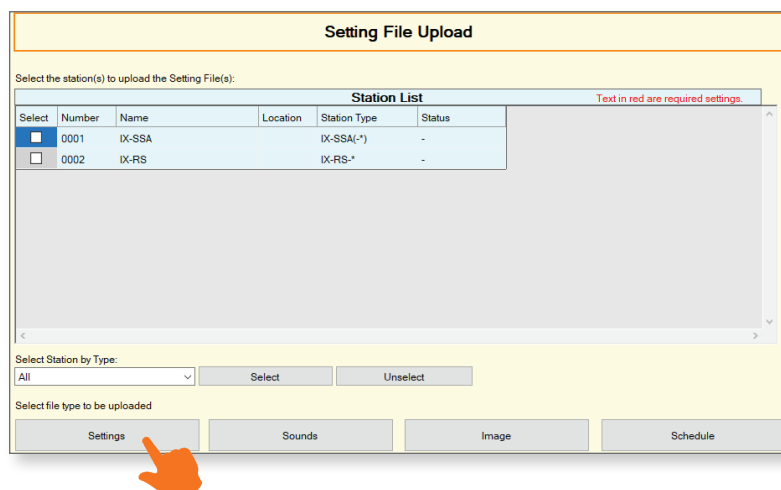
## Wiring the Door Station Relays for Auto Answer

Once the door station's input and output have been configured, the programmed relays will need to be connected.



**IX-SSA, IX-DV or IX-DVF Door Station**

Brown — NO1
Red — COM1
Orange — NC1
Yellow — NO2
Green — COM2
Blue — NC2 — **Relay Output 2**
Brown — S1 — **Option Input 1**
Red — S2
Orange — S3
Yellow — S4
Green — S5
Blue — SE

S6E, S6, P, P, S6E, LAN PoE PSE, LAN PoE PD

ℹ Both the input and output wires are nonpolar, so the colored wires can be reversed.

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