



Jail Elevator Service

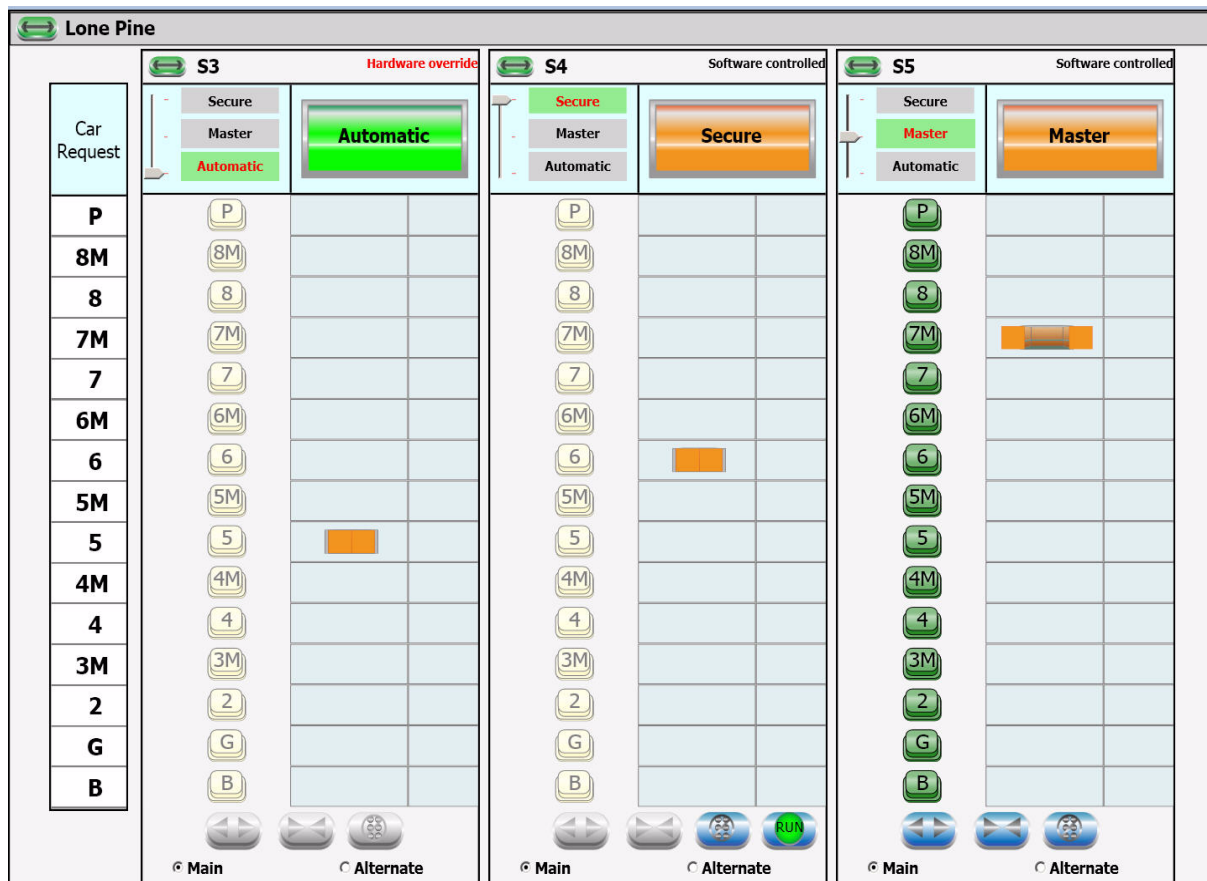
Jail Elevator Service by MCE is a highly configurable Windows PC compatible application designed to provide secure elevator services in restricted conditions by allowing elevators to be operated remotely by security personnel in visual and audible contact with elevator passengers. If you are just setting up operation: [Please refer to “Getting Started Using the File Menu” on page 7](#). Three operating modes are supported:

- Automatic: Standard elevator operation per user configuration.
- Master: Landing and Car calls are disabled. Car requests are visible to the remote operator who is in complete control of car movement and door operation.
- Secure: Landing and Car calls may be registered but car motion is controlled remotely.

Not all installations will choose to use all three modes. For iControl elevators, this is determined by a per-elevator selection through the iView connection to each car in the group: View/Configuration/Car Operation/Jail Operation. For Motion controllers, this is determined through custom parameter selections on each car or by custom, non-configurable factory settings.

Hardware switch inputs are available so that a car may be remotely locked into a selected operating mode, disabling the on-screen controls normally used to make that selection. A Hardware Override message will appear if the remote locking switch is active. With hardware override active, the mode select switch may still be used to set the mode to be active when the hardware override is released.

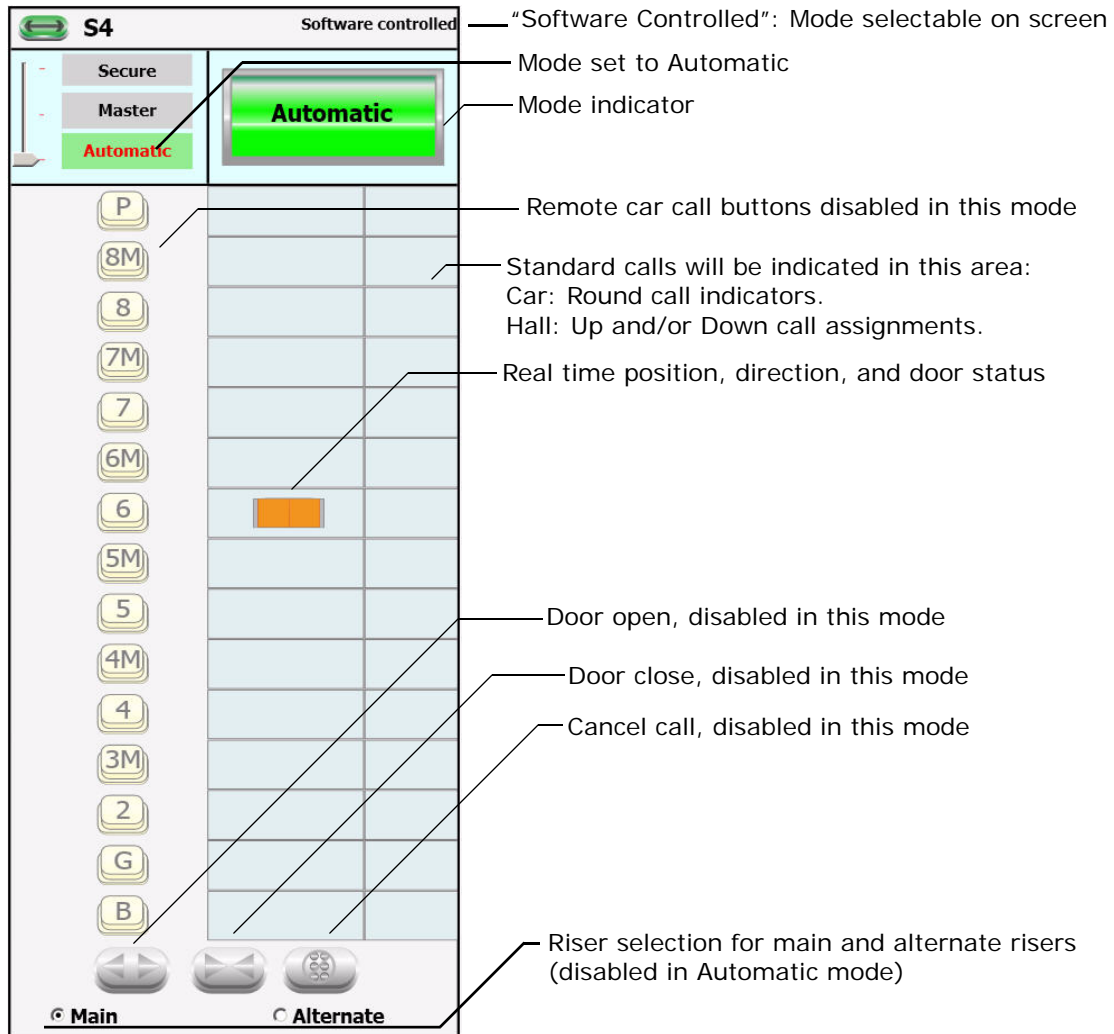
Figure 1. Typical Operating Screen



Automatic Operation

Under automatic operation, the elevator responds to hall and car calls as configured for normal operation. Typically, the doors operate automatically (customer determined). Individual floors/openings may not be accessible as determined by customer elevator configuration.

Figure 2. Automatic Operation



Master Operation

Under Master operation, elevator and door operation are controlled from the Jail Services application. Hall and COP calls are disabled. Door operation is disabled by default but is selectable. Car calls may be immediately cancelled by the Jail Services operator.

Figure 3. Master Operation

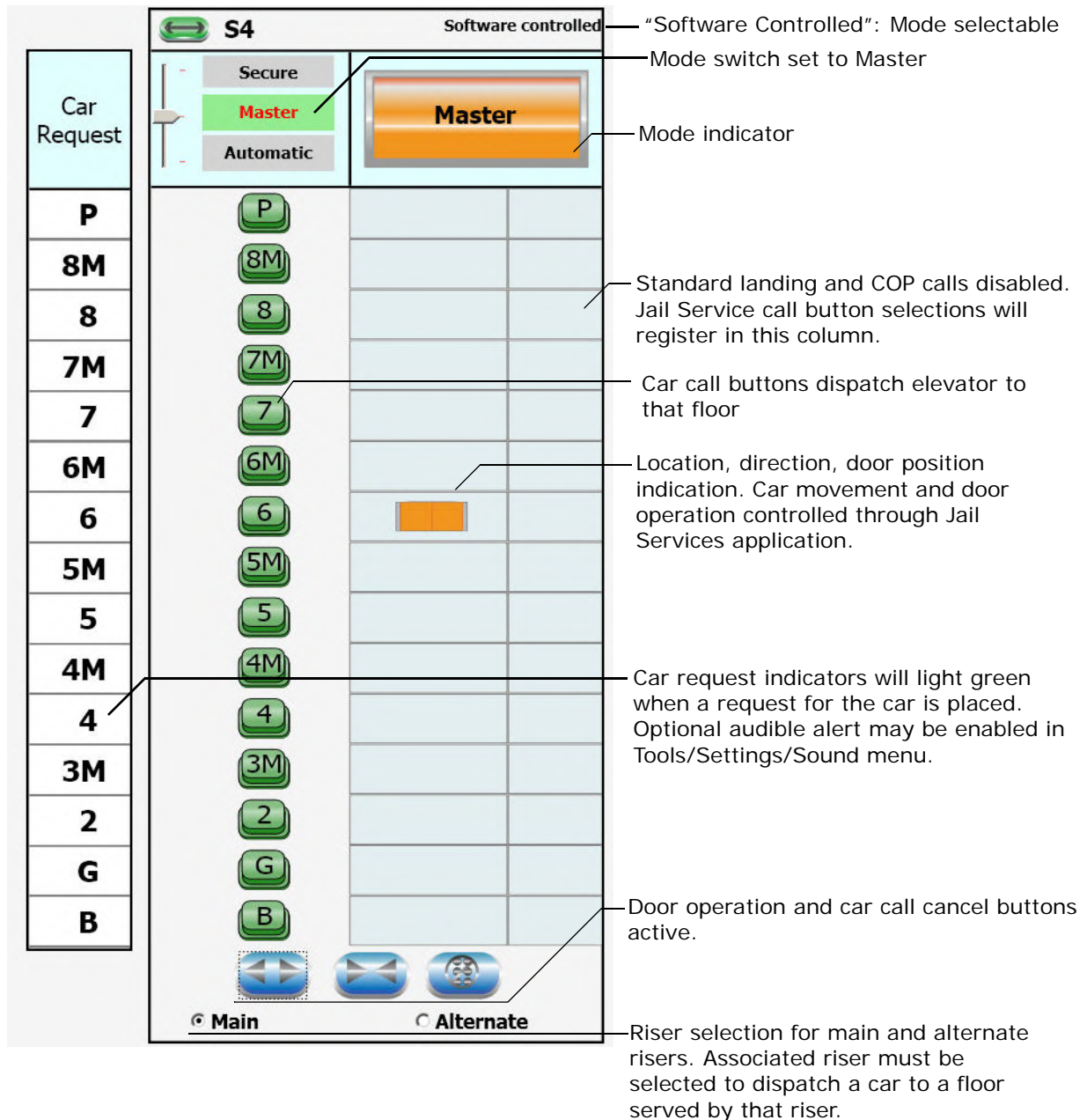


Figure 4. Open/Close Doors, Cancel Car Calls

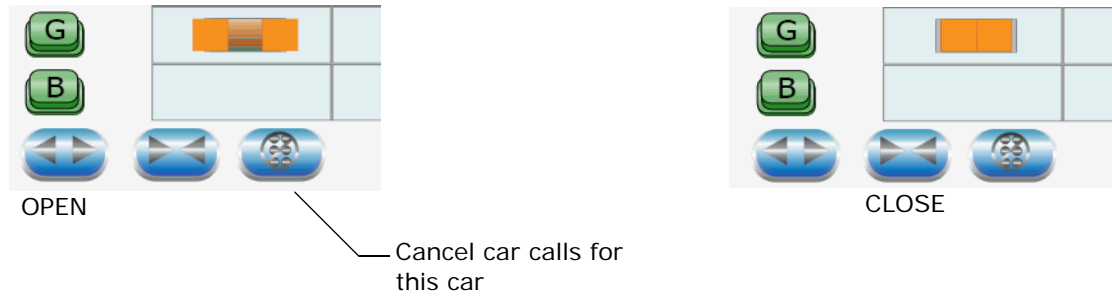
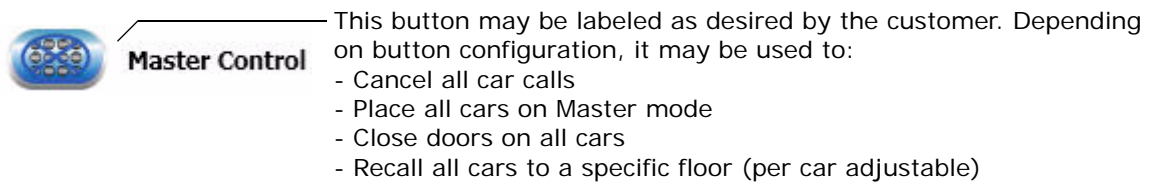


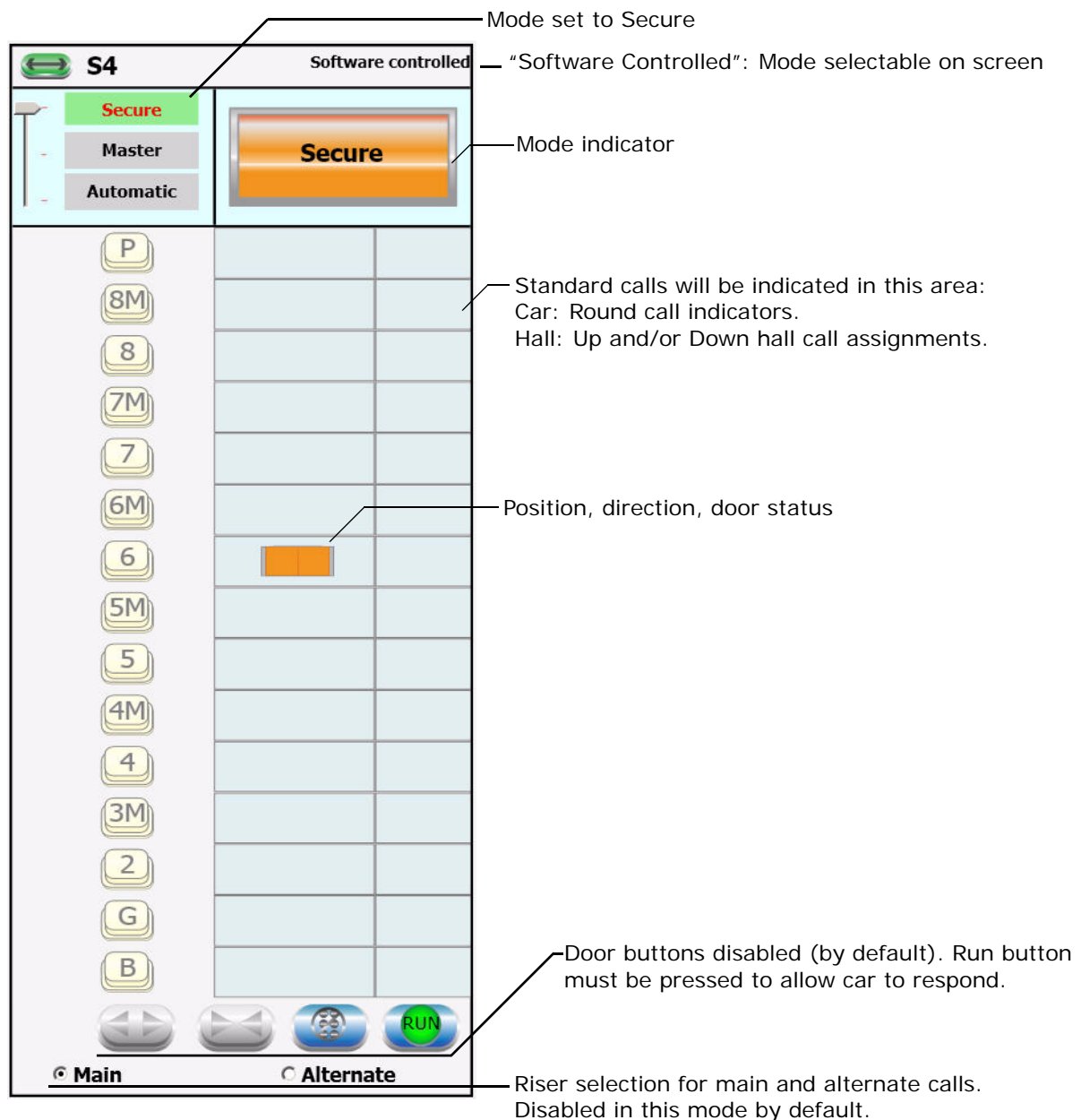
Figure 5. Master Control Button (configurable)



Secure Operation

Under Secure operation, landing calls and car calls operate in limited fashion as configured by the customer (through iView for iControl cars; through custom software for Motion cars). Typically, landing and car calls are visible to the Jail Services operator who may then allow the car to move using the Run button.

Figure 6. Secure Operation



Mode Indicators

Mode indicators use color and text to show the status of the elevator. Only a sub-set of the status indicators shown here will be available, depending on the controller type used at your site.

Green



Passenger/automatic operation

Orange



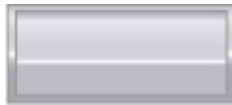
Jail operation

Yellow



Inspection operation (seven sub-types)
Test Mode
Independent
Attendant
Capture

Gray



Unknown status
Out of Service

Red



Fire Main	EMS Phase 2
Fire Alternate	EMS 2 Phase 1
Fire Phase 2	EMS 2 Phase 2
EMS Phase 1	

Blue



Commandeer for Special Service 0 Phase 1
CFSS 0 Transition
CFSS 0 Phase 2
CFSS 1 Phase 1
CFSS 1 Transition
CFSS 1 Phase 2

File, Tools, and Help Menus

The File menu allows you to select the elevator system to which you want to connect using Jail Services. Connections are configurable and/or editable.

Note

Before a connection can be made, the elevator group must have been configured to accept the connection. When the Jail Services application is shipped, MCE will provide the required authentication code.

Getting Started Using the File Menu

The File menu allows you to create, open, and edit connections.

New and Edit selections access the same screen sets. These screens allow you to set up Ethernet connections to an elevator group controller and to determine some aspects of the control screen.

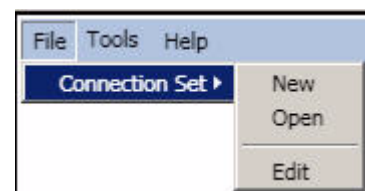
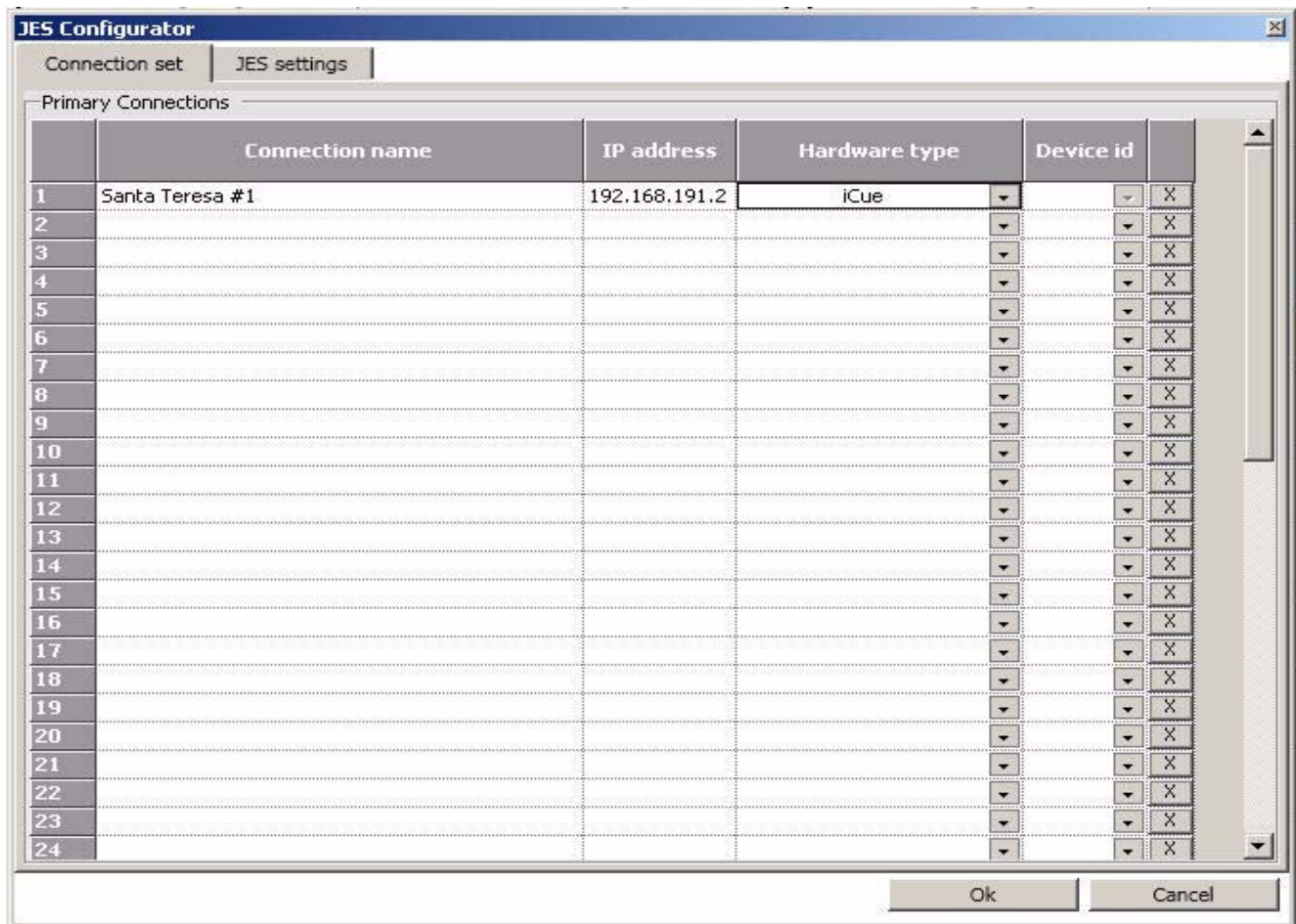


Figure 7. Connections Set



Connection Sets

- Connection name: Provide a logical name for the group.
- IP address: Provide the device IP address.
- Hardware Type: Jail Services works with equipment including -
 - iCue: Stand alone, group controller for iControl elevator groups.
 - iBox (Alternate Dispatcher): An iControl elevator controller that is the alternate or local group controller.
 - iBox (Simplex): An iControl elevator control operating as a simplex elevator.
 - Swing Panel Group: IMC elevator group control
 - Swing Panel Simplex: IMC elevator operating as a simplex.
 - Hydro Duplex: Hydraulic elevator dispatching for itself and one additional car.
 - Hydro Simplex: Hydraulic elevator operating as a simplex.
 - Traction Duplex: Traction elevator dispatching for itself and one additional car.
 - Traction Simplex: Traction elevator operating as a simplex.
 - Motion 3000ES: MCE 3000ES escalator controller.
 - M2000 (Simplex): Motion 2000 hydraulic controller operating as a simplex elevator.
 - M2000 (Duplex): Motion 2000 controller functioning as a dispatcher for one additional controller.
 - M Group: Motion elevator group controller.
 - M4000 (Simplex): Motion 4000 controller operating as a simplex elevator.
 - M4000 (Duplex): Motion 4000 controller functioning as a dispatcher for one additional controller.



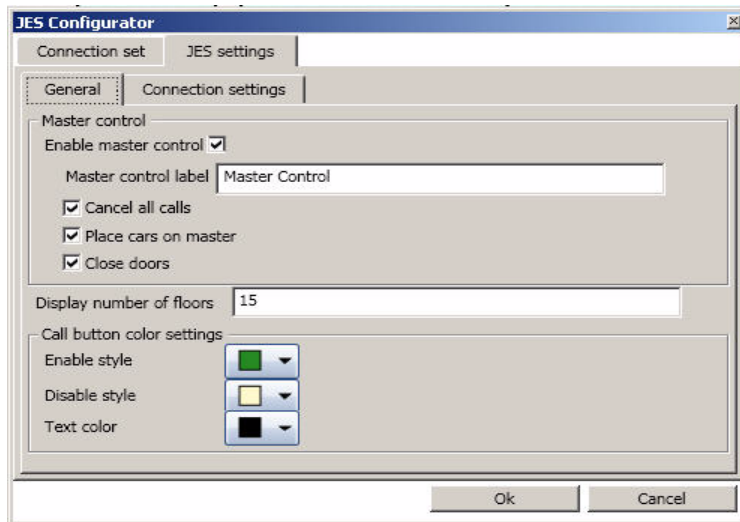
Note


Some hardware types will require optional equipment to support a Jail Services connection. Contact MCE Technical Support if you have questions.

- Device ID: Assigned automatically by Jail Services when you save information entered on the Connections screen. Or, when defining Alternate Connections, set to the same as the Car ID.

JES (Jail Elevator Services) Configurator This screen configures the operating display and determines if some optional controls will be available.

- General



- **Enable Master Control:** If selected the master control button will be displayed along with the label you choose (Master control label).  Master Control
This button may be labeled as desired by the customer. Depending on button configuration, it may be used to:
 - Cancel all car calls: Cancels all car calls immediately.
 - Place all cars on Master mode
 - Close doors on all cars
 - Recall all cars to a specific floor (per car adjustable)
- **Display Number of Floors:** Enter the number of floors to be visible on the display.
- **Call button color settings:** Allows you to select button color for enabled and disabled buttons, as well as text color.
- **OK/Cancel:** Click OK to save changes. Click Cancel to cancel without saving changes.

Note

Changes made through the JES Configurator will take effect the next time the edited connection set is opened.

- **Connection Settings**
 - **Primary Connection:** Select the associated connection for this display from the drop down list.
- **Connection (Connection Name)**
 - **Connection Type:** Read only. Connection name and hardware type.
 - **Number of Cars:** Enter the number of cars dispatched by this connection.
 - **Number of Floors:** Enter the number of floors served by this connection.
 - **Show Car Request:** If enabled, during Master Operation, the Car Request side bar will appear, allowing the Jail Services operator to see active car requests per landing. [Please refer to “Master Operation” on page 3.](#)

Figure 8. JES Connection Settings

JES Configurator

Connection set: JES settings

General: Connection settings

Primary connection: Lone Pine

Connection (Lone Pine)

Connection type: IceGroup

Number of cars: 3

Number of floors: 15

Show car request ☒

Modes

Master caption: Master

Secure caption: Secure

Automatic caption: Automatic

Car settings

Car: 1

☒ Master mode recall: 7

Eligibilities

Show alternate eligibilities ☒

Main call button eligibility caption: Main

Alternate call button eligibility caption: Alternate

Floor	Landing	Car call button		Visible	Main call button eligibility		Alternate call button eligibility	
		Front	Rear		Front	Rear	Front	Rear
1	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	13	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Ok Cancel

- **Modes**
 - **Captions:** Enter the desired caption to appear for each Mode. Available modes are configured through iView for iControl cars or through custom software parameters (or factory settings) for Motion Control cars. See explanation on page 1.
- **Car Settings**
 - **Car:** Select the car for which you would like to set up floor eligibility. Floor eligibility determines which floors and openings (front/rear) the selected car may serve while the selected eligibility mode/riser is active. Two eligibility modes (maps) may be set up here in addition to the eligibility determined by the controller or dispatcher.
 - **Master Mode Recall:** When Master Control is enabled, use this control to select the floor to which this car should be recalled when the Master control button is pressed.
 - **Eligibilities:**
 - **Show Alternate Eligibilities:** When enabled, alternate risers are visible on the control screen, labeled as determined by the caption entry fields. (If the installation has just a single (main) riser, there is no need to display alternate eligibilities.)
 - **Main Call Button Eligibility Caption:** Enter the name you would like displayed for the main riser.
 - **Alternate Call Button Eligibility Caption:** Enter the name you would like displayed for the alternate riser.
 - **Table Selections, used for car call button functionality and visibility, per floor:**
 - **Landings:** Used to define PI (Position Indicator) offset location if applicable.
 - **Front:** If enabled, front openings will be available for this car.
 - **Rear:** If enabled, rear openings will be available for this car.
 - **Visible:** Floors for which this selection is disabled will not appear on the control screen and cannot be served on Secure or Master operation.
 - **Main Call Button Eligibility:** The car is allowed to service this floor/opening when the Main riser control is active.
 - **Alternate Call Button Eligibility:** The car is allowed to service this floor/opening when the Alternate riser control is active.

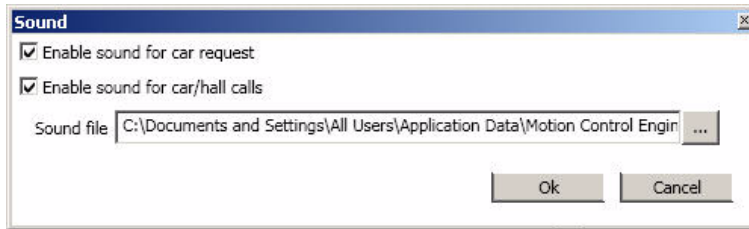


Note

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Tools Menu

- **Sound:** This menu allows you to select a sound file that will be played when a car request becomes active and/or when a car or hall call is placed.



- **Start With Last Set:** When selected, directs the application to start with the last monitored set active.

Help Menu

The Help menu provides About and Help selections:

- **About:** Displays version information for the Jail Services application.
- **Help:** Opens on-line help for the Jail Services application.