

1 Elevator Restriction Migration for Firmware Version 2

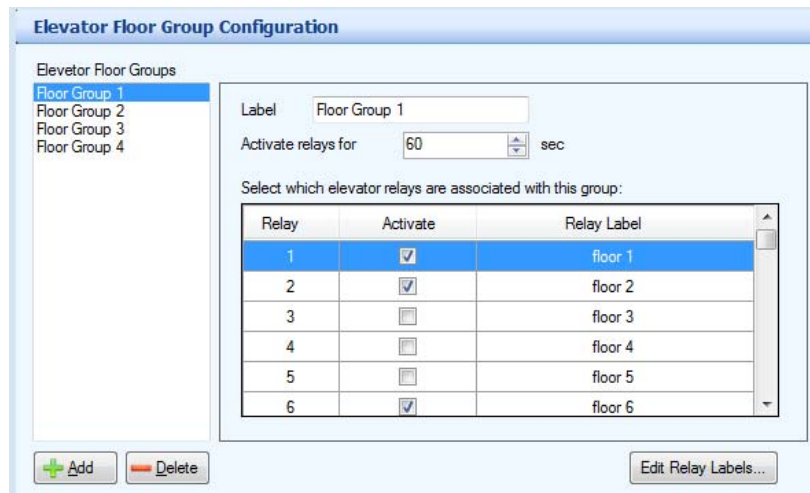
This manual describes how to migrate a TX3 elevator restriction system from version 2.0.x to 2.4.x.

1.1 Overview

In the new elevator restriction system, **access points** and **residents** control elevator addresses, and **floor groups** control relays (floors).

1.1.1 Floor Groups

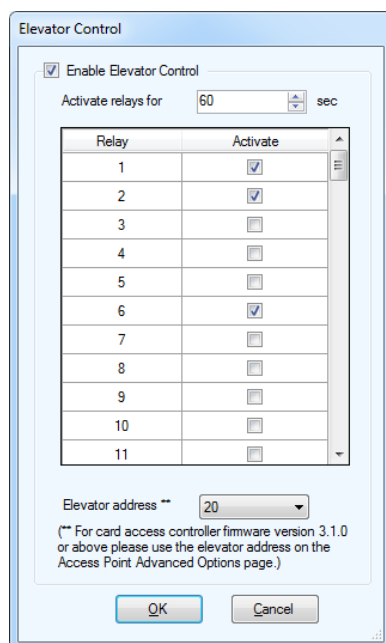
In the new card access system, each access level is assigned to a floor group. Floor groups are groups of relays that are assigned to access levels.



Relay	Activate	Relay Label
1	<input checked="" type="checkbox"/>	floor 1
2	<input checked="" type="checkbox"/>	floor 2
3	<input type="checkbox"/>	floor 3
4	<input type="checkbox"/>	floor 4
5	<input type="checkbox"/>	floor 5
6	<input checked="" type="checkbox"/>	floor 6

Figure 1. Floor Groups

For each access level in the old system, there is a corresponding floor group that controls the same relays.



Elevator Control

☒ Enable Elevator Control

Activate relays for: 60 sec

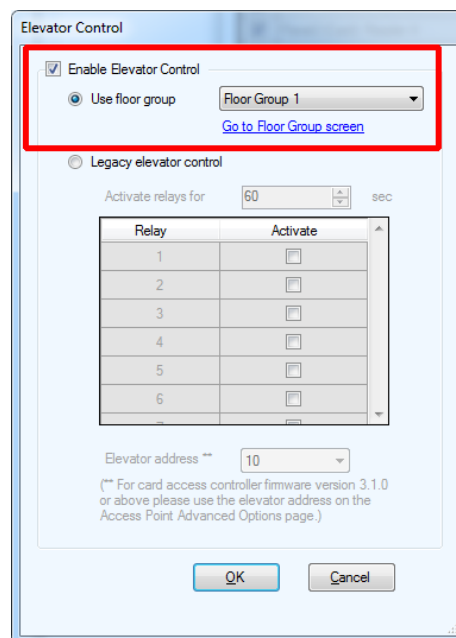
Relay	Activate
1	<input checked="" type="checkbox"/>
2	<input checked="" type="checkbox"/>
3	<input type="checkbox"/>
4	<input type="checkbox"/>
5	<input type="checkbox"/>
6	<input checked="" type="checkbox"/>
7	<input type="checkbox"/>
8	<input type="checkbox"/>
9	<input type="checkbox"/>
10	<input type="checkbox"/>
11	<input type="checkbox"/>

Elevator address **: 20

(** For card access controller firmware version 3.1.0 or above please use the elevator address on the Access Point Advanced Options page.)

OK Cancel

Old Access Level - Elevator Control



Elevator Control

☒ Enable Elevator Control

☒ Use floor group: Floor Group 1
[Go to Floor Group screen](#)

☐ Legacy elevator control

Activate relays for: 60 sec

Relay	Activate
1	<input type="checkbox"/>
2	<input type="checkbox"/>
3	<input type="checkbox"/>
4	<input type="checkbox"/>
5	<input type="checkbox"/>
6	<input type="checkbox"/>

Elevator address **: 10

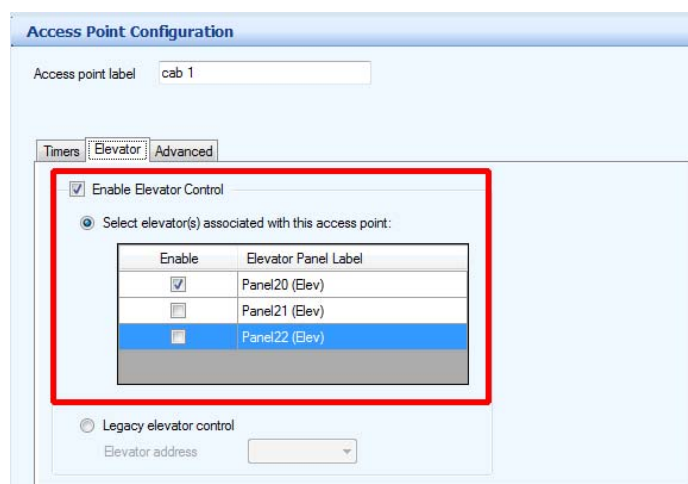
(** For card access controller firmware version 3.1.0 or above please use the elevator address on the Access Point Advanced Options page.)

OK Cancel

New Access Level - Elevator Control

Figure 2. New and Old Access Level - Elevator Control

Each access point can control one or more elevator restriction units.



Access Point Configuration

Access point label: cab 1

Timers Elevator Advanced

☒ Enable Elevator Control

☒ Select elevator(s) associated with this access point:

Enable	Elevator Panel Label
<input checked="" type="checkbox"/>	Panel20 (Elev)
<input type="checkbox"/>	Panel21 (Elev)
<input type="checkbox"/>	Panel22 (Elev)

☐ Legacy elevator control

Elevator address:

Figure 3. New Access Point - Elevator Control

1.1.2 Telephone Access

In the new telephone access system, each resident is assigned to a floor group, and to one or more elevator restriction units.

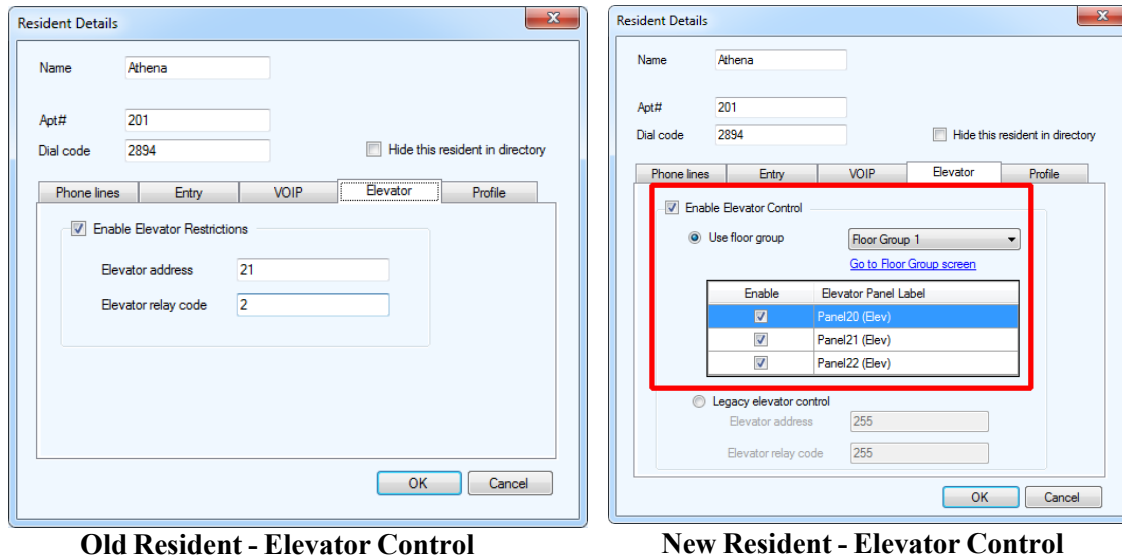


Figure 4. New and Old Resident - Elevator Control

1.2 Example

This example 6-storey building has both a card access and telephone access system. Residents have access to the floor that they live on, and all residents have access to the first floor and the 6th floor (a common area). There are 4 access levels: one access level for every residential floor. There are 3 elevator cabs in the building lobby.

In the new system, you must create a floor group for each access level. Each floor group includes the same relays as the corresponding access level. The building has 3 elevator cabs with the addresses 20, 21, and 22. There is an access point inside each elevator cab. See Table 1 below.

Table 1: Example Access Levels and Corresponding Floor Groups

Access Level	Relays	Elevator Address	Activate relays for	Corresponding Floor Group	Relays for Corresponding Floor Group
Access Level 1	1, 2, 6	21	60	Floor group 1	1, 2, 6
Access Level 2	1, 3, 6	22	60	Floor group 2	1, 3, 6
Access Level 3	1, 4, 6	20	60	Floor group 3	1, 4, 6
Access Level 4	1, 5, 6	21	60	Floor group 4	1, 5, 6

Each resident is assigned an elevator address and elevator relay code. Each resident's card is assigned an access level. Table 2 shows 8 of the residents in the building.

Table 2: Example Residents

Resident	Elevator Address	Elevator Relay Code	Access Level
Artemis	22	2	Access Level 1
Athena	21	2	Access Level 1
Hades	20	3	Access Level 2
Hermes	22	3	Access Level 2
Apollo	20	4	Access Level 3
Ares	21	4	Access Level 3
Persephone	22	5	Access Level 4
Zeus	21	5	Access Level 4

This document explains how to:

1. Record your information in tables like the ones above.
2. Upgrade the elevator restriction firmware and software.
3. Use the tables to configure the new elevator restriction system.

Follow the instructions below to complete these steps.

1.3 Back up the job

Note: For instructions on backing up the job, see LT-995 TX3 Touch Screen Administrators Guide.

1.4 Add Elevator Restriction Units to the Job Tree

If your job does not have elevator restriction units, you must add them.

1. Click **Edit**, then click **Add Panel**.
2. Provide the following information.

Label. Enter a name for the Elevator Restriction Unit.

Address. Specify the RS-485 address of the Elevator Restriction Unit.

Panel Mode. ERU (Elevator Restriction Unit)

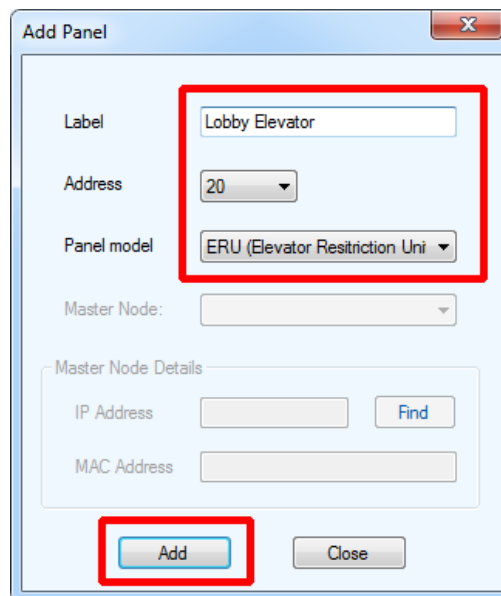


Figure 5. Add ERU

3. Click **Add**.
4. Repeat these steps for every Elevator Restriction Unit in the job.

1.5 Record information

1.5.1 Access Levels

1. In the job tree, select Access Levels.
2. Select the first access level, and then click Elevators.

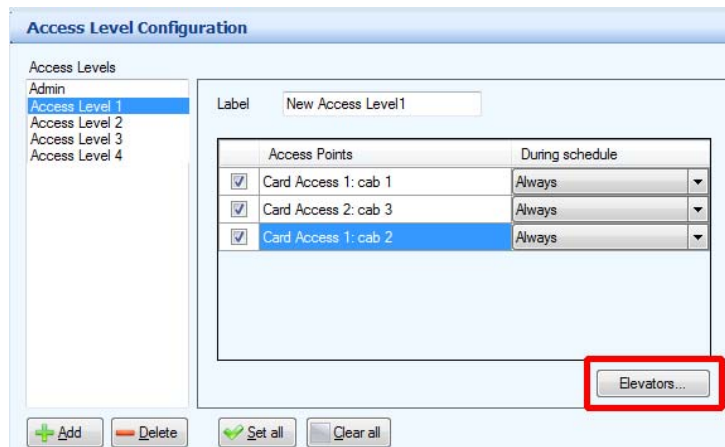
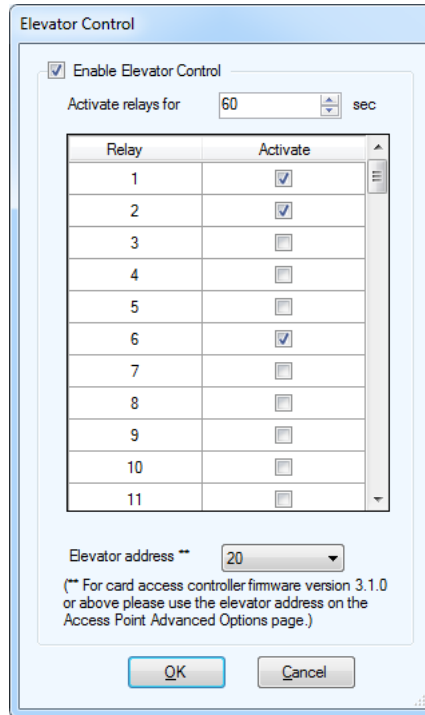


Figure 6. Access Level Configuration - Elevators button

The Elevator Control window appears.



Relay	Activate
1	<input checked="" type="checkbox"/>
2	<input checked="" type="checkbox"/>
3	<input type="checkbox"/>
4	<input type="checkbox"/>
5	<input type="checkbox"/>
6	<input checked="" type="checkbox"/>
7	<input type="checkbox"/>
8	<input type="checkbox"/>
9	<input type="checkbox"/>
10	<input type="checkbox"/>
11	<input type="checkbox"/>

Figure 7. Elevator Control

3. Record the name of the access level, the relays, the elevator address, and the `Activate relays` for time in Table 3 on page 18.
4. Repeat these steps for each access level.

1.5.2 Residents

1. In the job tree, select Residents.

The Resident Configuration window appears (Figure 18).

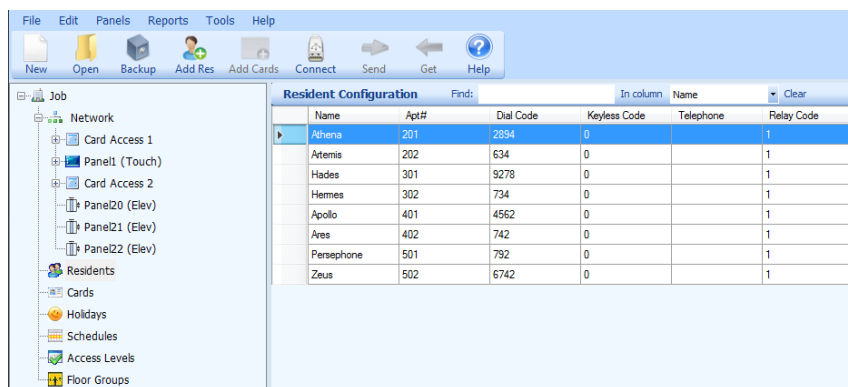


Figure 8. Resident Configuration List

2. Double-click the first resident.

The Resident Details window appears.

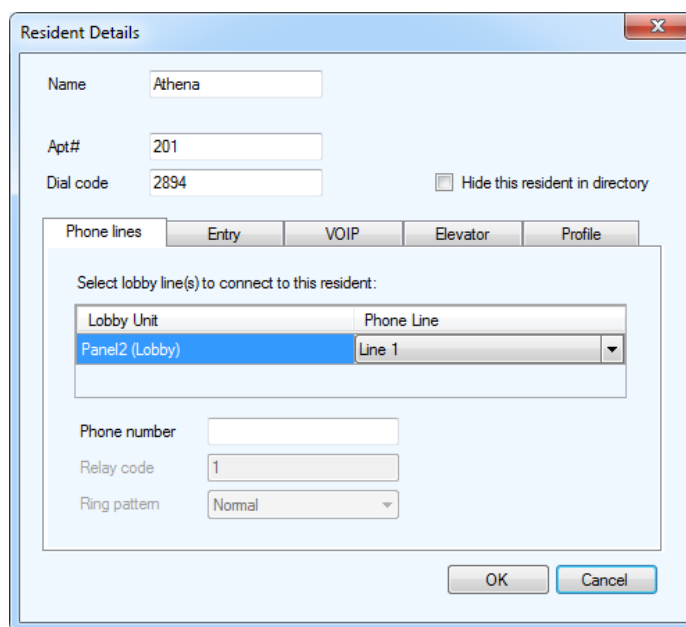
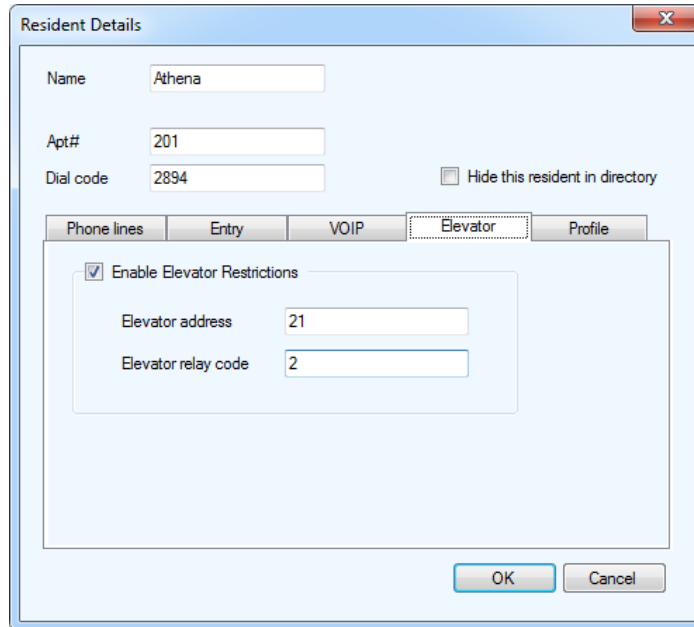


Figure 9. Resident Details.

3. Click the Elevator tab.

The Elevator window appears.



The screenshot shows the 'Resident Details' window with the 'Elevator' tab selected. The 'Name' field contains 'Athena', 'Apt#' contains '201', and 'Dial code' contains '2894'. There is a checkbox for 'Hide this resident in directory'. Below the tabs, the 'Enable Elevator Restrictions' checkbox is checked. The 'Elevator address' field contains '21' and the 'Elevator relay code' field contains '2'. 'OK' and 'Cancel' buttons are at the bottom right.

Figure 10. Resident Details - Elevator Tab

4. Record the name of the resident, the elevator address, and the elevator relay code in Table 4 on page 18.
5. Repeat these steps for each resident.

1.5.3 Cards

1. Select Cards in the job tree.

Card Configuration				Find:	In column	Card
	Card Name	Card Number	Facility Code	Access Level		
▶	Athena	16	0	Access Level 1		
	Artemis	18	0	Access Level 1		
	Hades	3	0	Access Level 2		
	Hermes	6	0	Access Level 2		
	Ares	8	1	Access Level 3		
	Apollo	100	0	Access Level 3		
	Persephone	2	1	Access Level 4		
	Zeus	4	1	Access Level 4		

Figure 11. Card Configuration

2. Double-click the first card.

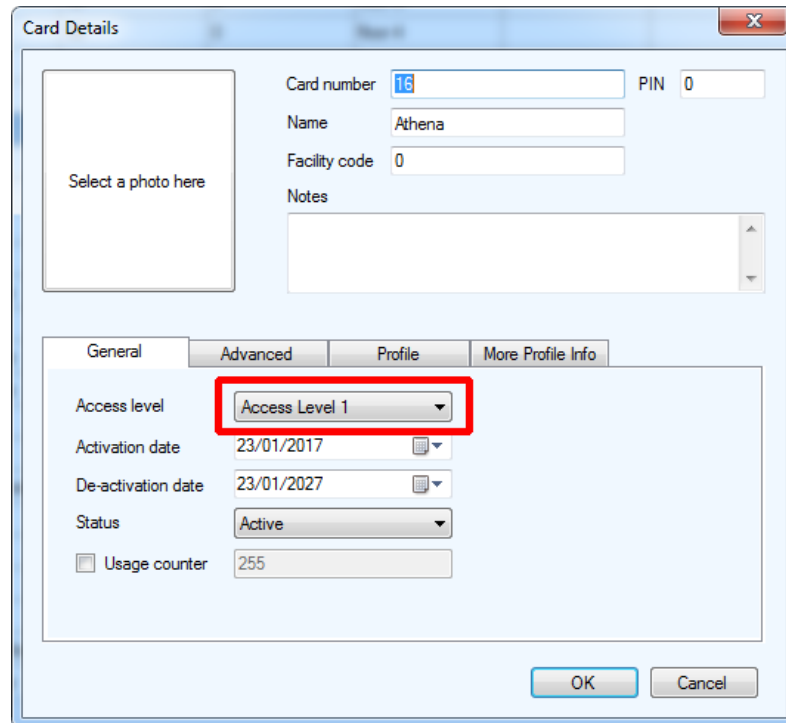


Figure 12. Card Details

3. Record the access level associated with each resident's card in Table 4 on page 18.
4. Repeat these steps for each card.

1.6 Upgrade the TX3 Configurator

Upgrade the TX3 Configurator to version 2.8.8 or higher.

1.7 Change Residents and Cards to New Elevator Restriction System

1.7.1 Create a floor groups

Floor groups are groups of floors that are assigned to access levels.

Create one floor group for each access level in Table 3 on page 18.

1. Select Floor Groups from the Job tree.

2. Click Add.

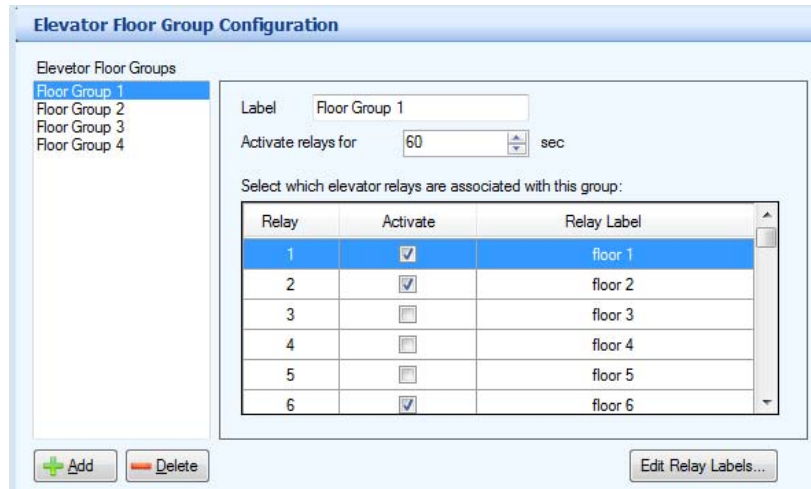
Floor Group0 appears.

3. Select the floors that you want in this floor group.
4. Provide the following information.

Label. Change the name of the floor group so that it matches the access level.

Activate relays for. Change this to the time that is in the associated access level.

Relay. Select the same relays that are selected in the corresponding access level.



Relay	Activate	Relay Label
1	<input checked="" type="checkbox"/>	floor 1
2	<input checked="" type="checkbox"/>	floor 2
3	<input type="checkbox"/>	floor 3
4	<input type="checkbox"/>	floor 4
5	<input type="checkbox"/>	floor 5
6	<input checked="" type="checkbox"/>	floor 6

Figure 13. Floor Groups

5. In the last two columns of Table 3 on page 18, write the name of the corresponding floor group and its relays as you create it.
6. Click Add to add another floor group. Create one floor group for each access level.

In our example (Table 1 on page 3), **Access Level 1** includes floors 1, 2 and 6, so you must create a corresponding floor group that includes floors 1, 2 and 6.

1.7.2 Assign floor groups to access levels

1. In the job tree, select Access Levels.
2. Select the first access level, and then click Elevators.

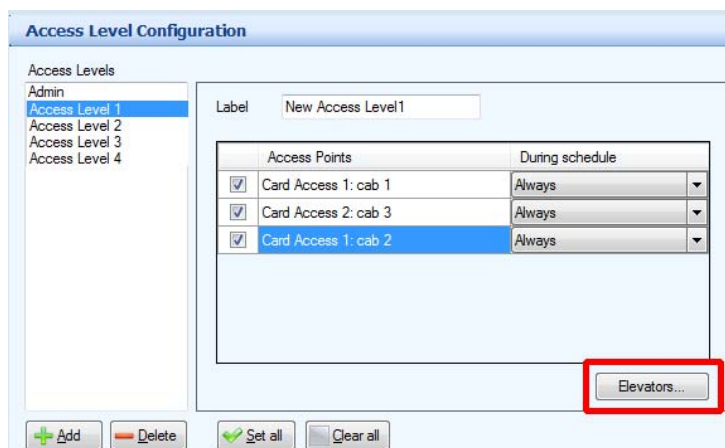


Figure 14. Access Level Configuration - Elevators button

The Elevator Control window appears.

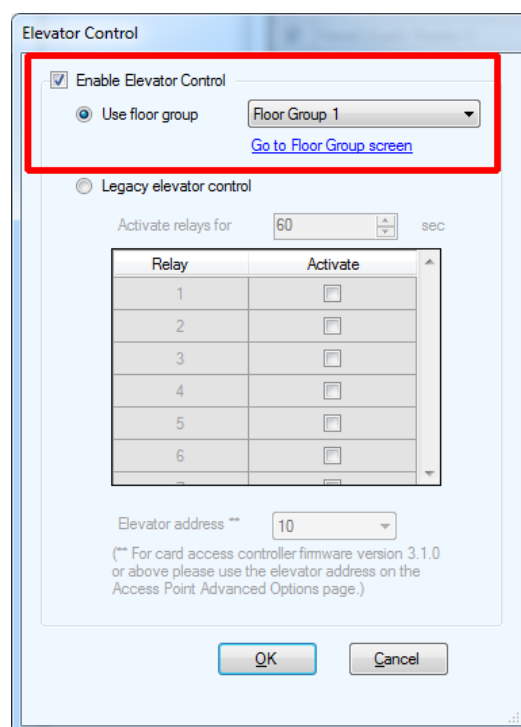


Figure 15. Elevator Control

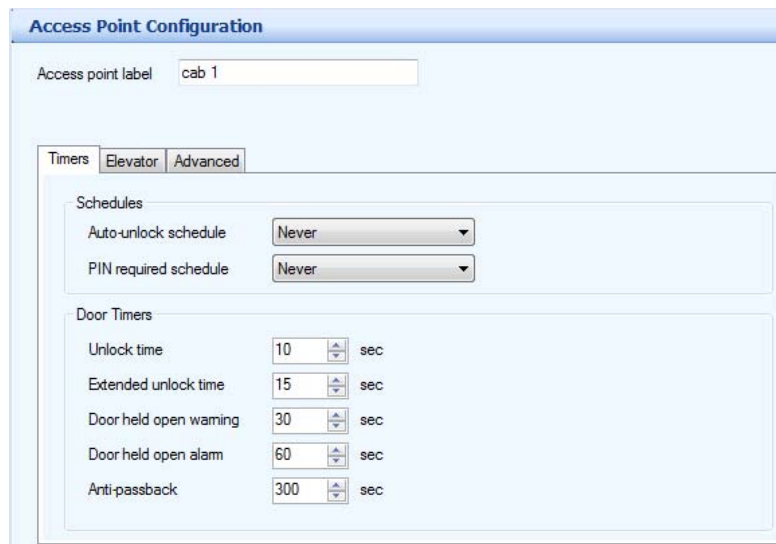
3. Select **Enable Elevator Control**, and select **Use floor group**.
4. Select the floor group associated with this access level. Use the information in Table 3 on page 18.

In our example (Table 1 on page 3), you must assign Floor group 1 to Access Level 1, Floor group 2 to Access Level 2, and so on.

5. Click **OK**.
6. Repeat these steps for all the access levels in the job.

1.7.3 Update access points

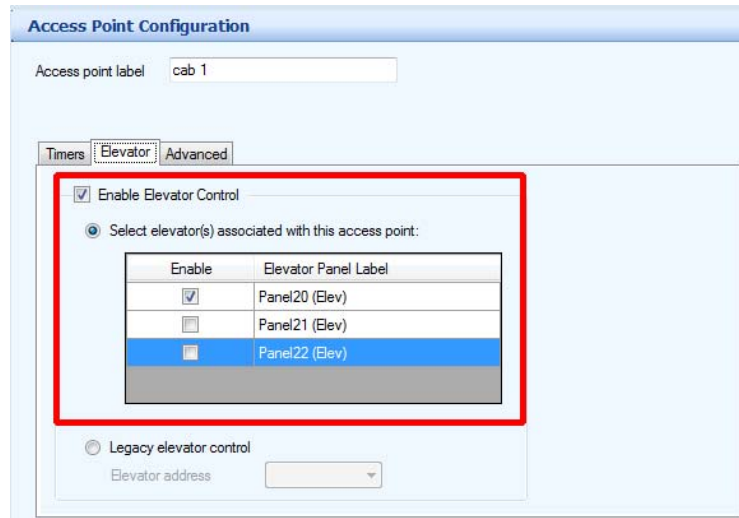
1. In the job tree, expand the **Access Point** list and select an access point that controls an elevator restriction unit



The image shows the 'Access Point Configuration' dialog box. At the top, there is a tabbed interface with 'Timers', 'Elevator', and 'Advanced' tabs. The 'Timers' tab is currently selected. Below the tabs, there is a section for 'Schedules' with two dropdown menus: 'Auto-unlock schedule' and 'PIN required schedule', both set to 'Never'. Below this is a section for 'Door Timers' with five rows of settings, each with a numeric input field and a unit of 'sec': 'Unlock time' (10), 'Extended unlock time' (15), 'Door held open warning' (30), 'Door held open alarm' (60), and 'Anti-passback' (300).

Figure 16. Access Point Configuration

2. Click the Elevator tab.



Access Point Configuration

Access point label: cab 1

Timers **Elevator** Advanced

☒ Enable Elevator Control

☒ Select elevator(s) associated with this access point:

Enable	Elevator Panel Label
<input checked="" type="checkbox"/>	Panel20 (Elev)
<input type="checkbox"/>	Panel21 (Elev)
<input checked="" type="checkbox"/>	Panel22 (Elev)

☐ Legacy elevator control

Elevator address:

Figure 17. Access Point Configuration - Elevator Access

3. Select Enable Elevator Control and Select elevator(s) associated with this access point.
4. Select the Elevator Restriction Units that this access point controls. Use the information in Table 3 on page 18.

In our example, since there is an access point inside each elevator cab, you should restrict each access point to the elevator restriction unit that it is inside of.

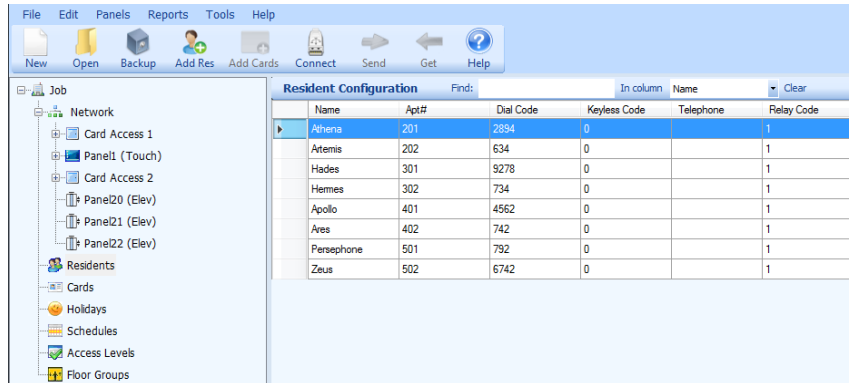
Note: Access points, not access levels, now control elevator restriction units, and one access point can control more than one elevator restriction unit. Usually, the access point should control all the elevator restriction units that are located near that access point.

5. Repeat these steps for all the access points in the job.

1.7.4 Update residents

1. In the job tree, select Residents.

The Resident Configuration window appears (Figure 18).



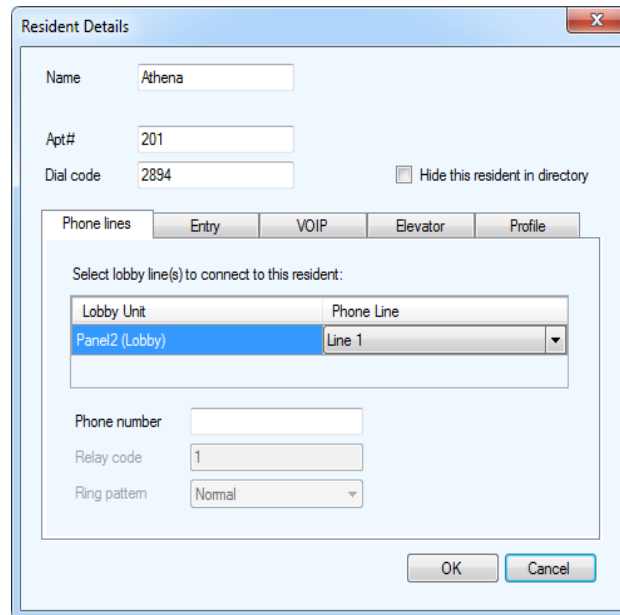
The screenshot shows the 'Resident Configuration' window with a menu bar (File, Edit, Panels, Reports, Tools, Help) and a toolbar (New, Open, Backup, Add Res, Add Cards, Connect, Send, Get, Help). On the left is a tree view with categories: Job, Network, Card Access 1, Panel1 (Touch), Card Access 2, Panel20 (Elev), Panel21 (Elev), Panel22 (Elev), Residents, Cards, Holidays, Schedules, Access Levels, and Floor Groups. The main area displays a table of residents.

Name	Apt#	Dial Code	Keyless Code	Telephone	Relay Code
Athena	201	2894	0		1
Artemis	202	634	0		1
Hades	301	9278	0		1
Hermes	302	734	0		1
Apollo	401	4562	0		1
Ares	402	742	0		1
Persephone	501	792	0		1
Zeus	502	6742	0		1

Figure 18. Resident Configuration List

2. Double-click the first resident.

The Resident Details window appears.



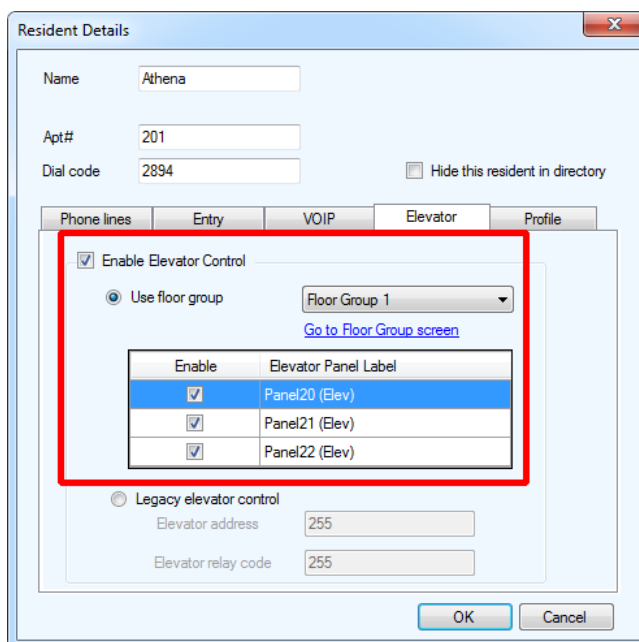
The screenshot shows the 'Resident Details' window. It has a title bar with a close button. The main area contains fields for Name (Athena), Apt# (201), and Dial code (2894). There is a checkbox labeled 'Hide this resident in directory'. Below these are tabs for Phone lines, Entry, VOIP, Elevator, and Profile. The 'Phone lines' tab is active, showing a section 'Select lobby line(s) to connect to this resident:' with a table of Lobby Unit and Phone Line. The table has one row: Panel2 (Lobby) connected to Line 1. Below the table are fields for Phone number, Relay code (1), and Ring pattern (Normal). At the bottom are OK and Cancel buttons.

Lobby Unit	Phone Line
Panel2 (Lobby)	Line 1

Figure 19. Resident Details

3. Click the Elevator tab.

The Elevator window appears.



Resident Details

Name: Athena

Apt#: 201

Dial code: 2894

☐ Hide this resident in directory

Phone lines | Entry | VOIP | **Elevator** | Profile

☒ Enable Elevator Control

☒ Use floor group

Floor Group 1

[Go to Floor Group screen](#)

Enable	Elevator Panel Label
<input checked="" type="checkbox"/>	Panel20 (Elev)
<input checked="" type="checkbox"/>	Panel21 (Elev)
<input checked="" type="checkbox"/>	Panel22 (Elev)

☐ Legacy elevator control

Elevator address: 255

Elevator relay code: 255

OK Cancel

Figure 20. Resident Details - Elevator Tab

4. Select Enable Elevator Control.
5. Select Use floor group.
6. Select the floor group for this resident, and select the Elevator Restriction Units that are allowed for this resident. See Table 4 on page 18 for information on what elevator, elevator relay code, and access level the resident had access to, and see Table 3 on page 18 for information on the floor groups.

Note: **One resident now has access to more than one elevator restriction unit and more than one floor.**

Usually, you should give the resident access to the same elevator restriction units and floor group that the corresponding card's access level has access to.

In our example, Athena is assigned to Access Level 1 (Table 2 on page 4), so she should now be assigned to Floor Group 1 (Table 1 on page 3). Athena used to have access to only one elevator, but now you can give her access to all three.

7. Repeat these steps for all the residents in the job.

1.8 Upgrade the firmware

Upgrade the firmware on all the panels to version 2.4.x.

Note: For instructions on upgrading firmware see LT-995 TX3 Touch Screen Administrators Guide.

1.9 Send the job

Note: For instructions on sending the job, see LT-995 TX3 Touch Screen Administrators Guide.

2 Migration Information

Table 3: Access Levels and Corresponding Floor Groups

Access Level	Relays	Elevator Address	Activate relays for	Corresponding Floor Group	Relays for Corresponding Floor Group

Table 4: Residents and Corresponding Access Levels

Resident	Elevator Address	Elevator Relay Code	Access Level

[illegible]

Table 4: Residents and Corresponding Access Levels (Continued)

Resident	Elevator Address	Elevator Relay Code	Access Level

3 Contact Us



You can contact us from Monday to Friday 8:00 A.M. to 5:00 P.M. E.S.T.

3.1 General Inquiries

Toll Free: 1-888-660-4655

Local: 905-660-4655

3.2 Customer Service

Toll Free: 1-888-MIRCOM5

Local: 905-695-3535

Local Fax: 905-660-4113

Toll-Free Fax: 1-888-660-4113

3.3 Website

<http://www.mircom.com>

3.4 Email

mail@mircom.com.

3.5 Technical Support

8 A.M. to 5 P.M. (EST) Monday through Friday, excluding holidays

Toll Free: 1-888-MIRCOM5

Local: 905-695-3535

Local Phone: 905-660-4655

Toll Free Phone: 1-888-660-4655

Email: techsupport@mircom.com