

CardAccess® 3000 

Continental Access

A Napco Security Group Company



CA3000 V2.7.x FUNCTIONAL TECH NOTES

FEATURE EXPLAINED :

Free Access First-In control

Doc # FTN0001

REVISION A

DATE: 3/19/2010

CardAccess® 3000 



CA3000 Functional Tech Notes

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Document Title: CA3000 V2.7.x Functional Tech Notes (FTN0001)

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Important Information - Must be read before programming software.

- 1) This functional Tech Note will provide you with a basic summary of the advanced feature noted on the cover page. In some cases, you must customize the feature for your specific application.
- 2) Before programming any advanced features, verify all the basic components of CA3000 are programmed. Verify the CardAccess 3000 software is functioning properly (refer to the V2.7 Quick Start Programming Guide).
- 3) If possible, always refer to the Continental Access website (www.cicaccess.com click Support/click Document Library) for the latest documentation. The released CD may not have the most recent documentation.
- 4) Panels must be running firmware version 3.x or higher for the ability to use advanced features.

First-In Areas

There are two types of First-In functions. The first type controls Free Access activation only. This will be covered in this functional tech note. The second type controls Card Access to a reader. This will not be covered in this document (Refer to FTN0002). The two functions are explained below.

First-In Controlling Free Access

This feature controls a reader's free access activation. It requires a designated badge to be presented to a First-In APB Entry to Area reader to start free access. The free access schedule configured for this reader must be active for this function to occur. Once a designated badge activates free access, there are two ways to terminated free access. To deactivate free access, the free access schedule must end, or the operator must manually deactivate it from the main menu. The presentation of the designated badge WILL NOT deactivate free access. This feature requires only one reader to function.

First-In Controlling Card Access to a reader

This feature controls Card Access at a reader. This feature requires two readers, one First-In APB Entry reader and one APB Exit from Area reader. It requires a designated badge to be presented to a First-In APB Entry reader to enable the reader (turn on the reader). Prior to this, the First-In APB Entry reader is disabled (reader is off). After the First-In APB Entry reader is enabled by the designated badge, it will remain enabled until the designated badge exits the APB Exit reader. Once this occurs, the First-In APB Entry reader will be disabled again, until another designated badge is presented to it.

Notes:

- 1) If a non-designated badge is presented to the reader while it is off, no alert will display in the event grid.
- 2) If a first-in Entry reader is disabled (off), free access will not activate.

Configuring Free Access First-In Control

Follow the steps below:

1. On the main menu, click System/System Settings. Refer to figure 1.

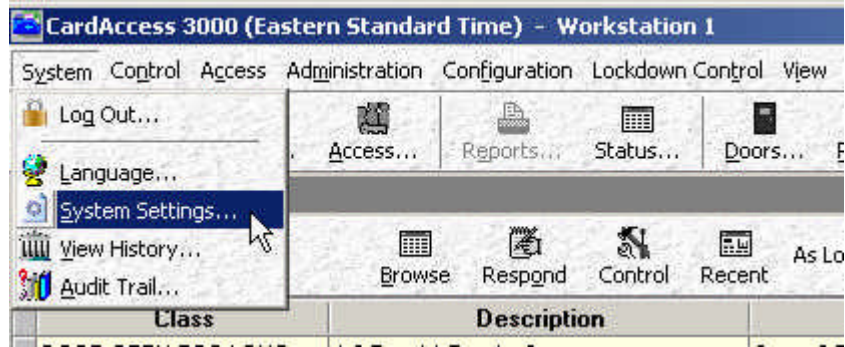


Figure 1.

2. Click the Badges tab. Select Enable APB Areas. Refer to figure 2.

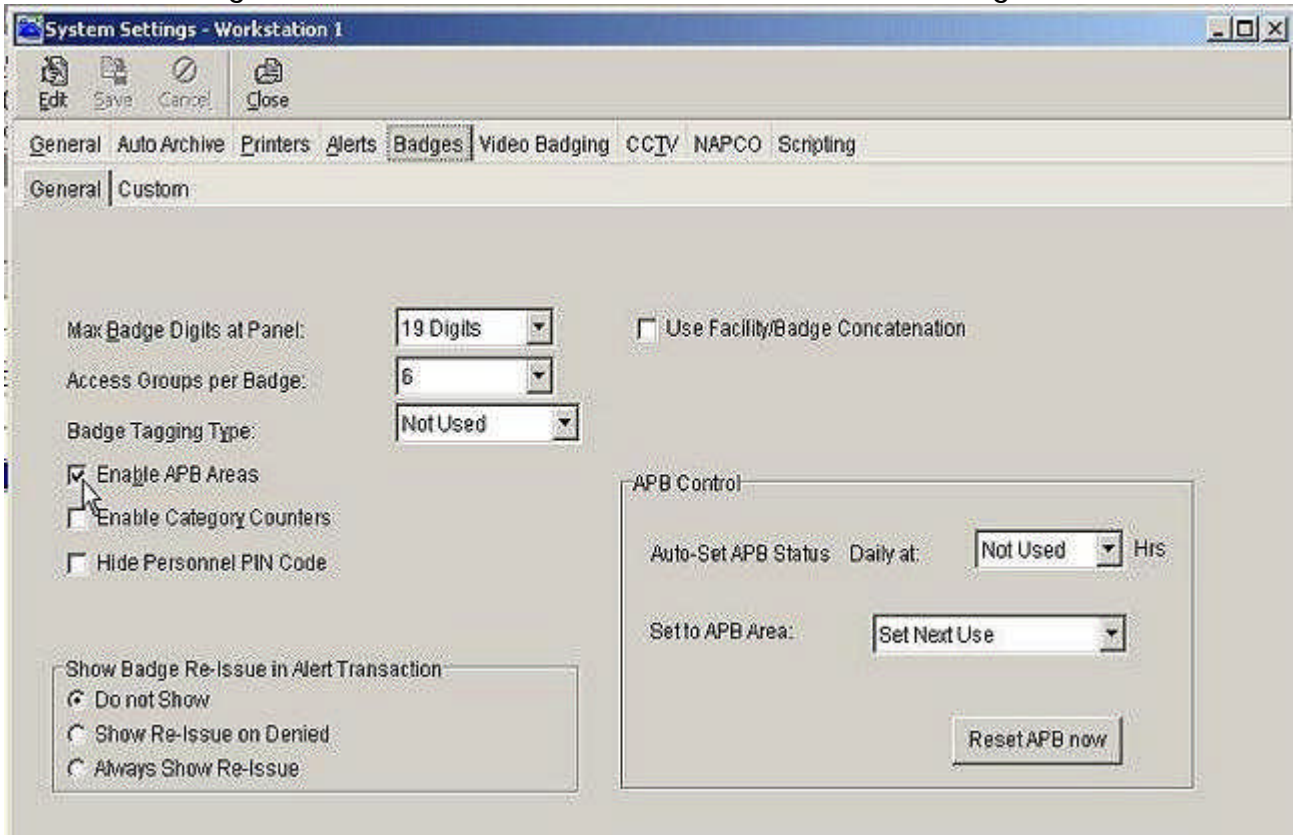


Figure 2.

3) On the main menu, click Access/APB Areas. Refer to figure 3.



Figure 3.

4) Verify the APB Areas screen displays. Refer to figure 4.

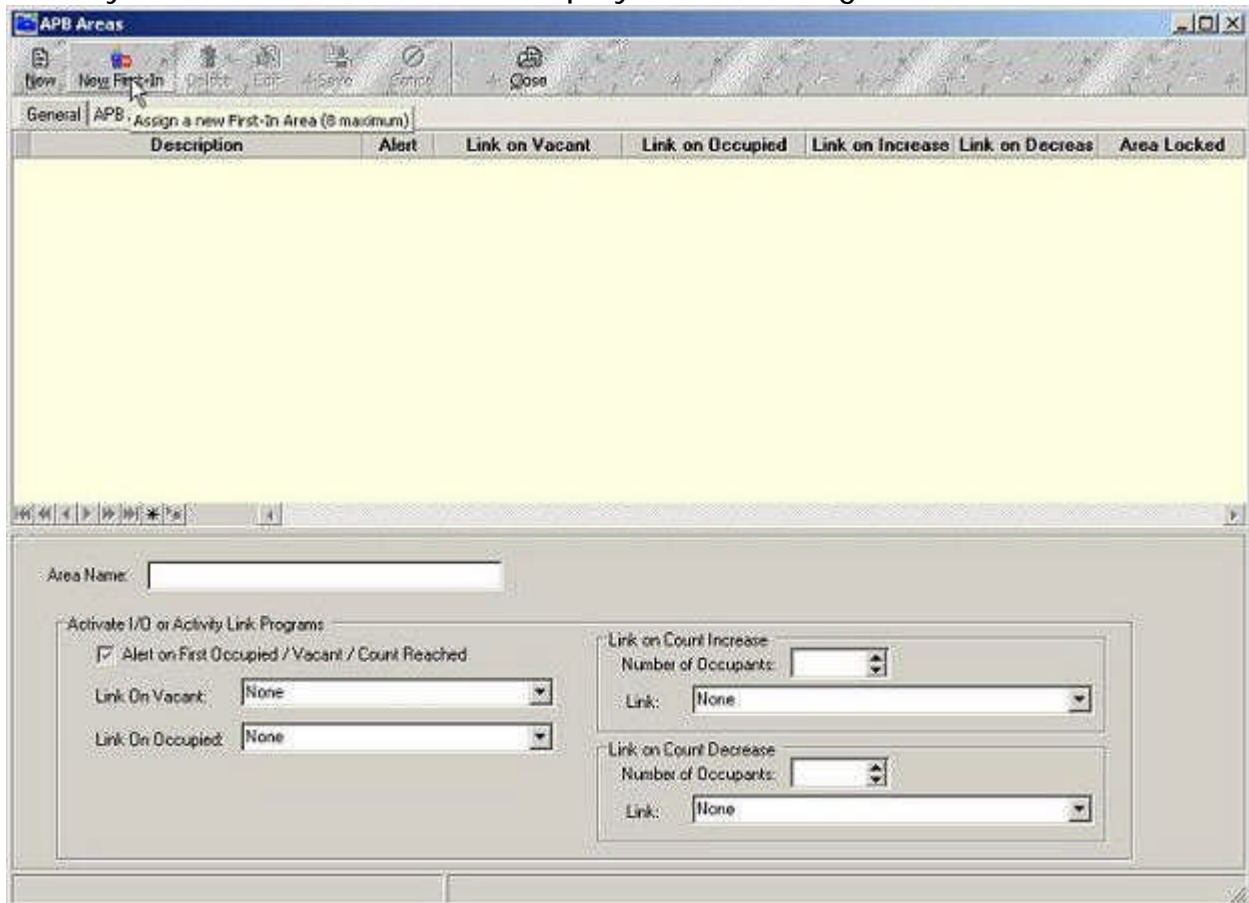


Figure 4.

5) On the main menu of the APB Areas screen, click New First-In. Refer to figure 5.

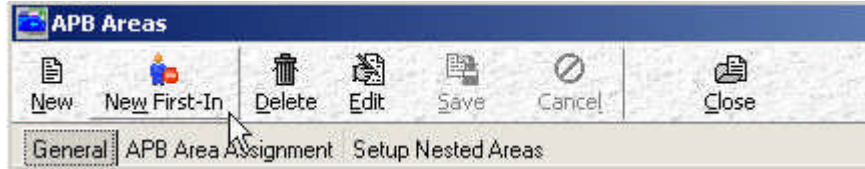


Figure 5.

6) Verify the First-In screen displays. Refer to figure 6.

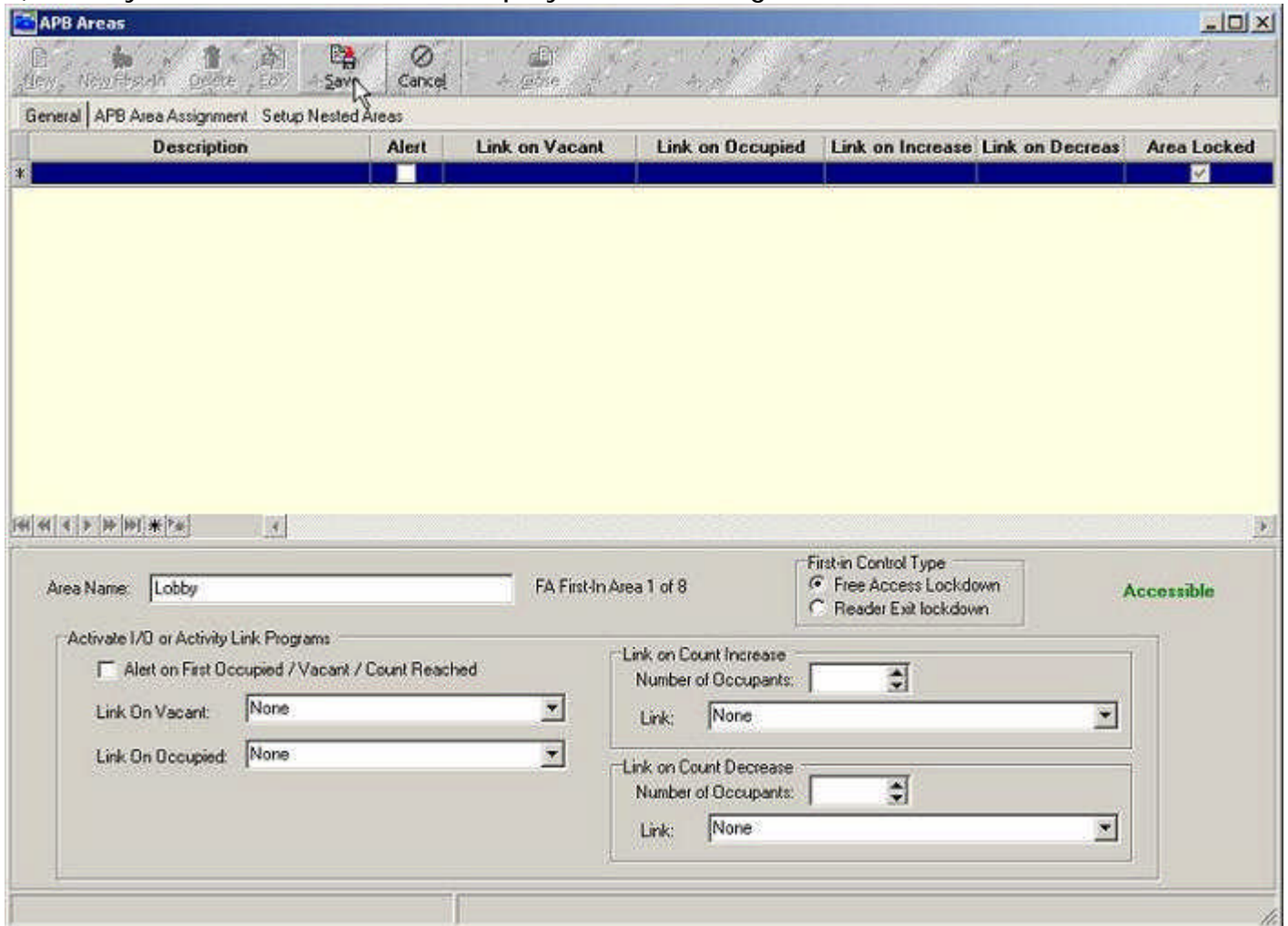


Figure 6.

The APB Areas screen consists of the following controls:



Figure 7.

Area Name – Descriptive name of Area (Set to Lobby for this example). Refer to figure 7.



Figure 8.

First-in Control Type –

Free Access Lockdown – When this option is selected, a designated badge must be presented at a First-In Entry reader to activate free access.

Note: For this example, set to Free Access Lockdown. Refer to figure 8.

Reader Exit lockdown – (Refer to FTN0002) When this option is selected, a designated badge must be presented at a First-In APB Entry reader to enable the reader. Prior to this, the First-In APB Entry reader is disabled and no badges will gain access. Once the First-In Entry reader is enabled with a designated badge, it will remain enabled until the designated badge exits out the APB Exit reader.

Note: While the First-In APB Entry reader is disabled, you will not see any badge alerts on the event grid.

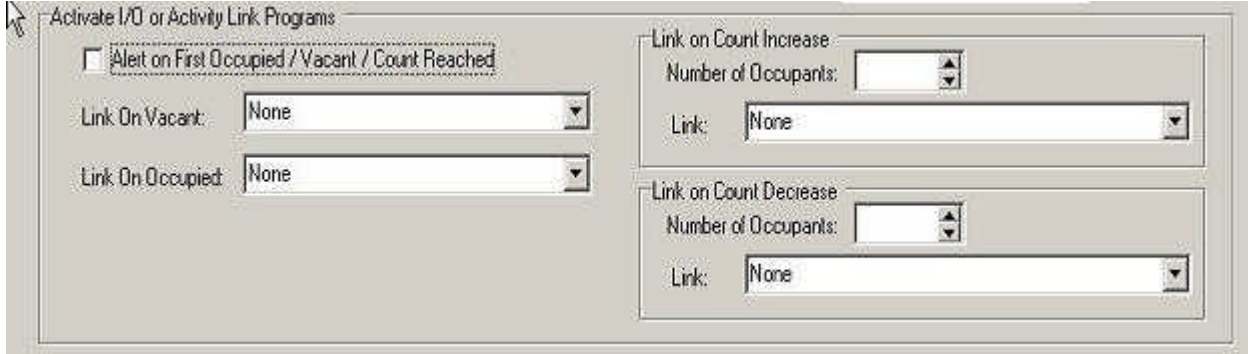


Figure 9.

Activate I/O or Activity Link Programs

Alert on First Occupied/Vacant/Count Reached – When this checkbox is selected, an alert will display indicating area is occupied, vacant or when a count has been reached for the area. If this is checked, the system will generate the following system events for the conditions described below.

Note: For this example, Do Not select the Alert on First Occupied/Vacant/Count Reached checkbox.

If the Alert on First Occupied/Vacant/Count Reached checkbox is checked, the system will generate the following system events for the conditions described below.

SYSTEM	APB Area Vacant	Lobby	3/3/2010 11:41:28 AM	Admin	3/3/2010 11:41:45 AM
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SYSTEM	APB Area Occupied	Lobby	3/3/2010 11:40:38 AM	UnAcked	3/3/2010 11:41:05 AM
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SYSTEM	APB Area Count Reached	Lobby	3/3/2010 11:46:34 AM	UnAcked	3/3/2010 11:47:00 AM
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Link on Vacant – When an activity link is configured in the drop down box, the activity link will activate when the area is vacant.

Link on Occupied – When an activity link is configured in the drop down box, the activity link will activate when the area is occupied.

Link on Count Increase – When an activity link is configured in the drop down box, the activity link will activate when the value set in the Number of Occupants box is reached.

Link on Count Decrease – When an activity link is configured in the drop down box, the activity link will activate when the value decreases to the value configured in the Number of Occupants box.

Note: For this example, Do NOT configure any activity links.

APB Area Status

The APB Area Status will display as per figure 10 and 11.



Figure 10.



Figure 11.

Very Important: These Area status indicators are for the First-In Free Access function. If some other function (ex. Scripts) locks or unlocks a door, these indicators can get out of sync.

Configure an APB ENTRY reader

Note: You only need to create one reader for the First-In Free Access function to work.

7) Configure an APB ENTRY TO AREA reader with an active free access schedule. Refer to figure 12 and 13.

NOTE: The APB ENTRY TO AREA reader must have an active free access schedule configured for the FIRST-IN FREE ACCESS function to work.

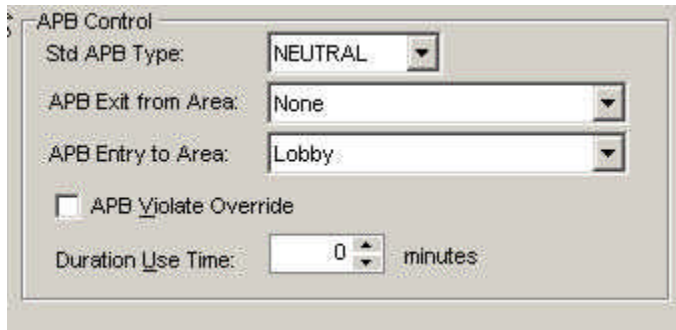


Figure 12.

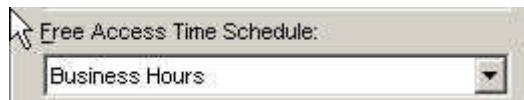


Figure 13.

- 8) Configure a designated (First In/Last Out Control) badge as per figure 14. Verify Enabled, Stay on Panel, Initial Download and the First In/Last Out Control is checked.

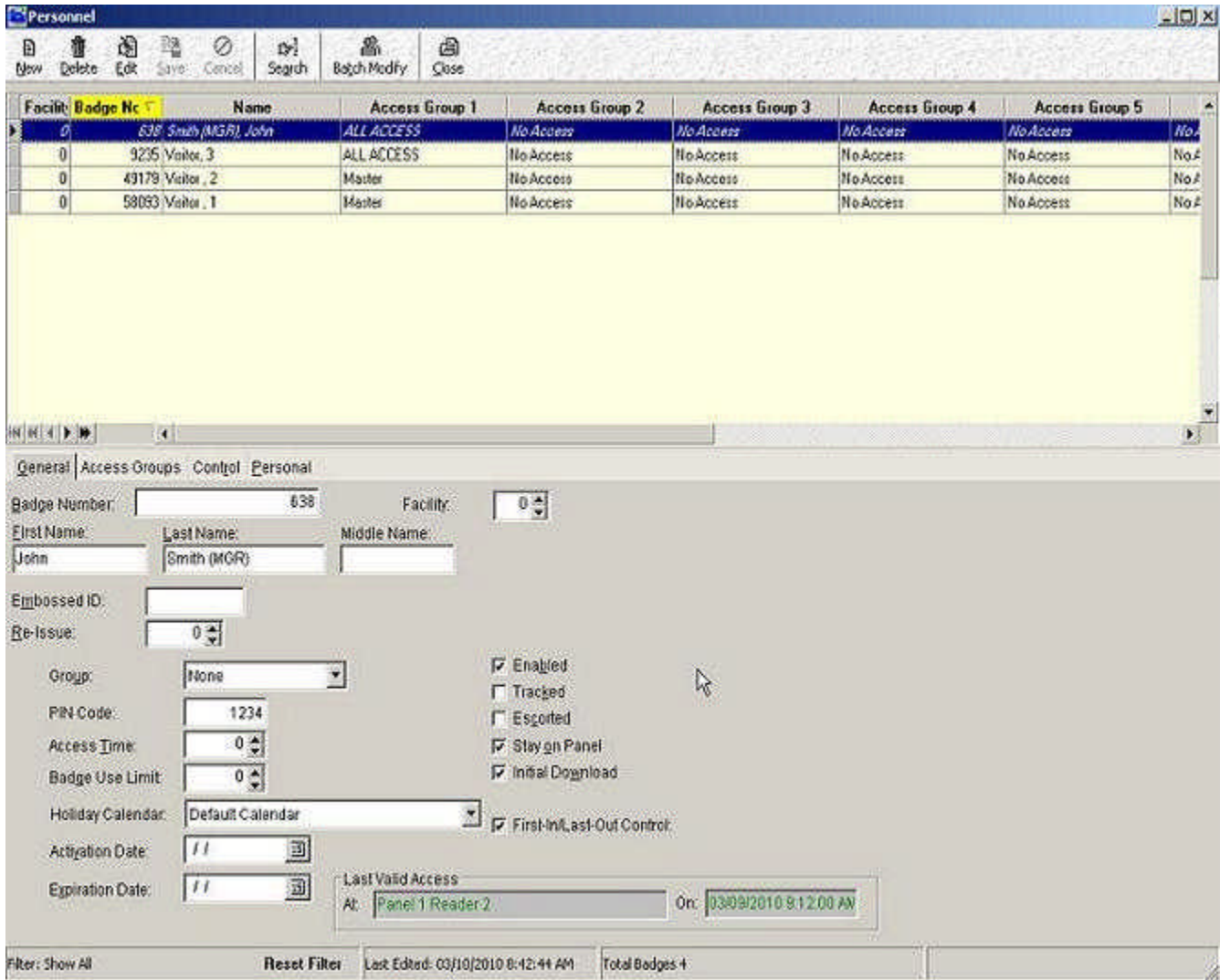


Figure 14.

Testing the First-In Free Access function

Checking Status of APB Area Lockdown

Prior to presenting a designated badge to the First-In APB Entry reader, this door should be locked down even though a valid free access schedule is active. You can verify the status of the APB area by clicking Lockdown Control/APB Area Lockdown on the main menu. Refer to figure 15.

Note: The checkmark on Lobby indicates the door is in LOCKDOWN mode. If the door is unlocked, there would be no checkmark on Lobby. Refer to figure 16.



Figure 15.



Figure 16.

Very Important: The menu Lockdown Control status is for the First-In Free Access function. If some other function (ex. Scripts) locks or unlocks a door, this status can get out of sync.

Presenting a designated badge to the First-In Free Access reader.

Present the designated badge to the First-In Entry to Area reader. The badge will unlock the door and the door will go into free access. As previously noted, the door will stay in free access until the free access schedule ends, or the door is locked down manually. Presenting a designated badge will not terminate free access.

Manual Lockdown of Door (Deactivate Free Access)

After free access is activated, click APB Area Lockdown/Lobby to do a lockdown and deactivate free access. Refer to figure 17.



Figure 17.

A confirmation screen will display. Refer to figure 18.

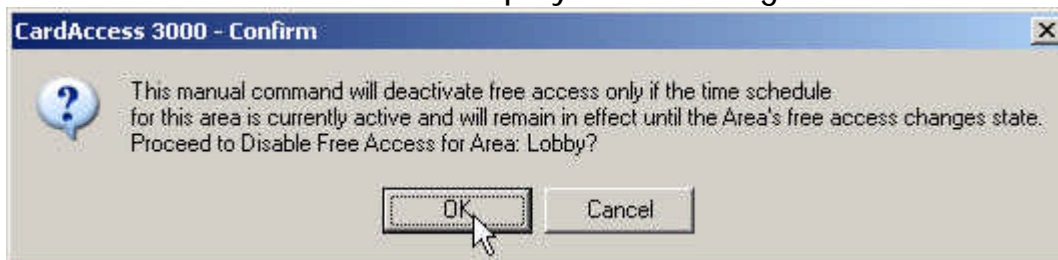


Figure 18.

After the lockdown is performed, and free access is deactivated, a system alert will display. Refer to figure 19.



Figure 19.

Manual Free Access Start (Activate Free Access)

To perform a manual free access activation, click APB Area Lockdown/Lobby. Refer to figure 20.



Figure 20.

A confirmation screen will display. Refer to figure 21. Click OK.

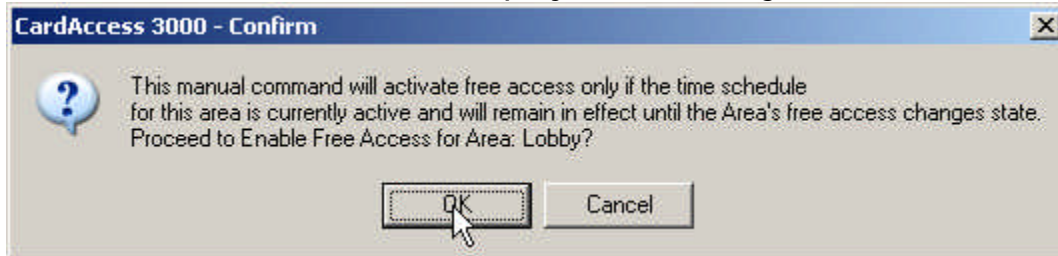


Figure 21.

After the unlock is performed, and free access is activated, a system alert will display. Refer to figure 22.



Figure 22.

This completes the First-In Free Access function.