

# INTEGRITI LOCKER CONFIGURATION GUIDE



**Rev 2.0**

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# INTEGRITI LOCKER CONFIGURATION GUIDE

## OVERVIEW:

The purpose of this document is to demonstrate how Lockers in Integriti are intended to work.

There are 3 Allocation Modes when it comes to Locker Banks, here we will explain them in detail to avoid confusion.

### PREREQUISITES:

- Version 16 Integriti Pro Software
- Version 16 ISC/IAC Controller Firmware
- Integriti/Concept Door Controllers
- Smart Card Locker Licence Part #996235

### LICENCING:

- Locker Licences are purchased from CSD
- 1 Locker Count Licence = 10 Lockers. Therefore if you require 50 Lockers, you would need to purchase 5 Locker Licences
- Locker Licence Part number #996235

### LIMITATIONS:

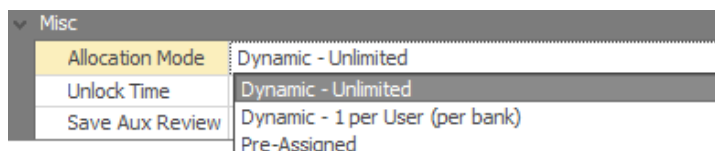
- 1000 Lockers per Controller
- 10 Locker Banks per Controller

When using Dynamic modes in the event of power failure of the Integriti control module, the Lockers will remain locked but the live allocation status in the software will be lost.

## ALLOCATION MODES:

The Locker Bank has 3 Allocation Modes:

- Dynamic – Unlimited
- Dynamic – 1 Per User (Per bank)
- Pre- Assigned



### DYNAMIC – UNLIMITED :

Dynamic – Unlimited is a normally unlocked Locker that will only work on a Reader per Locker basis. The unlimited type allows a User to utilise multiple Lockers within that bank. The Software will display a real-time status of who the Locker is assigned to. Locker and Locker Banks can be assigned to User Permissions.

### DYNAMIC – 1 PER USER PER BANK :

Dynamic – 1 Per User Per bank is a normally unlocked Locker that will only work on a Reader per Locker basis. A single User can utilise 1 Locker per bank. The Software will display a real-time status of who the Locker is assigned to. Locker and Locker Banks can be assigned to User Permissions.

### PRE-ASSIGNED :

Pre-Assigned is a normally locked Locker that allows both Reader per Locker and Reader per Bank configuration. The Pre-assigned type requires an unlock time specified in the Bank: a value of 0 defaults to a 5 second unlock time. The downside to pre assigned is there is no real-time status displayed in the software. Only individual Lockers can be assigned to User Permissions.

The table below outlines the limitations of each Allocation mode:

Feature	Dynamic - Unlimited	Dynamic 1 Per User	Pre-Assigned
Normally Locked	✗	✗	✓
Normally Unlocked	✓	✓	✗
Reader Per Bank	✗	✗	✓
Reader Per Locker	✓	✓	✓
Unlimited per bank allocation	✓	✗	✗
1 Locker per bank	✗	✓	✗
Locker per user	✓	✓	✓
Locker bank per user	✓	✓	✗
Locker Override	✓	✓	✓
Locker allocation status	✓	✓	✗
Bank definable unlock time	✗	✗	✓

# DYNAMIC — UNLIMITED PROGRAMMING EXAMPLE:

## SCENARIO BRIEF:

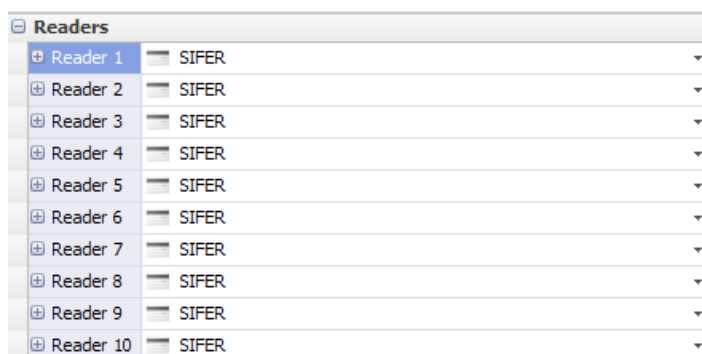
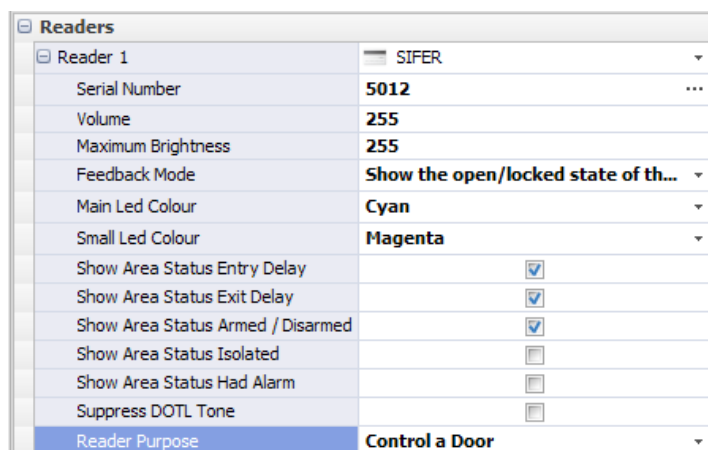
- 10 Lockers each with their own individual Reader. They have decided to use Sifer readers as less Hardware was required for this solution
- Live status of who is using each Locker from the software
- Any user can utilise as many lockers as they like
- The Lockers must remain unlocked when they are not in use.

## HARDWARE REQUIRED:

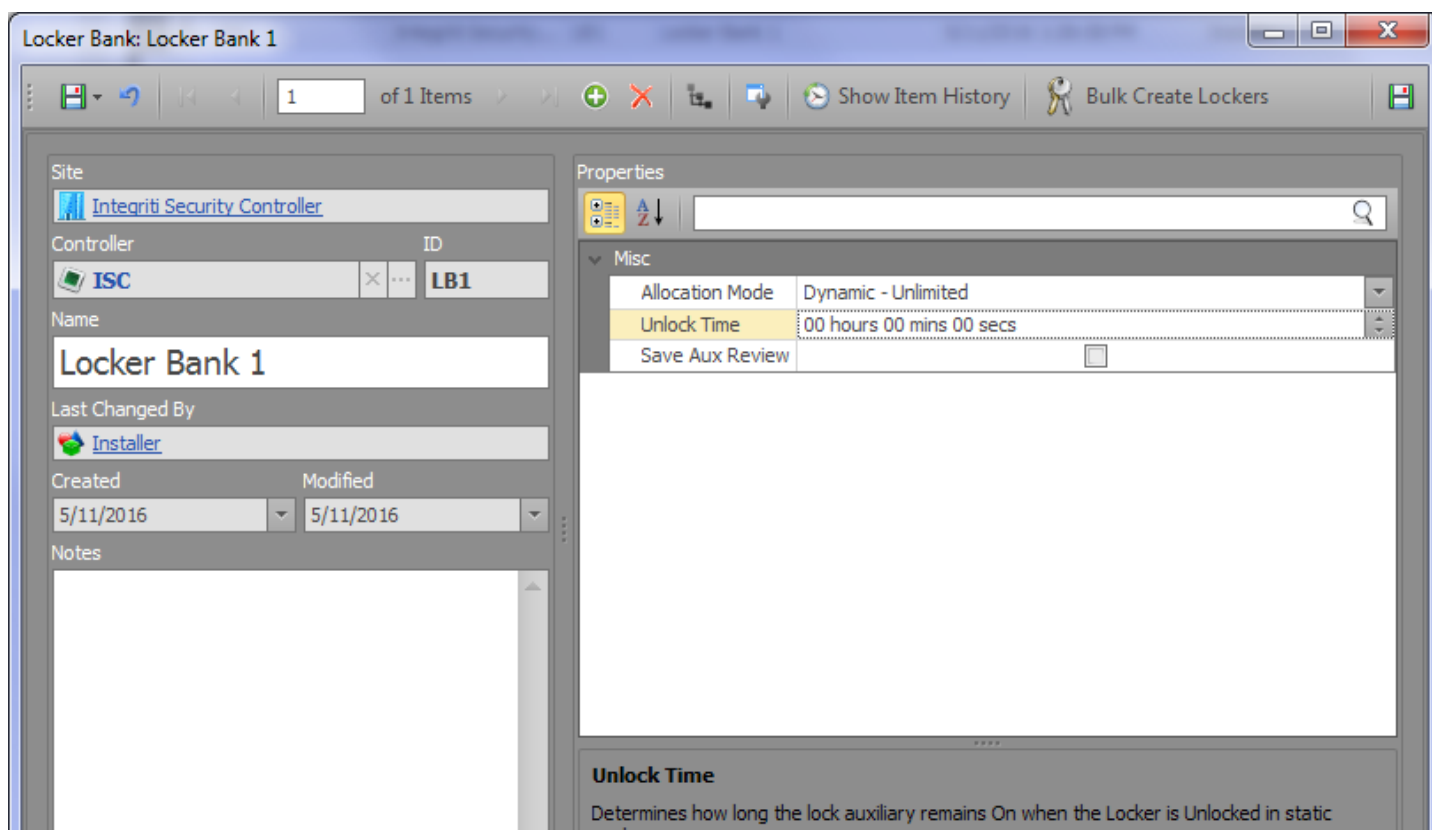
- 1 x ISC Version 16
- 1 x Integriti ILAM Module
- Integriti Pro V16
- 10 Sifer Readers
- 2 x Unibus 8 Aux Expander (Connected to ISC)

## PROGRAMMING:

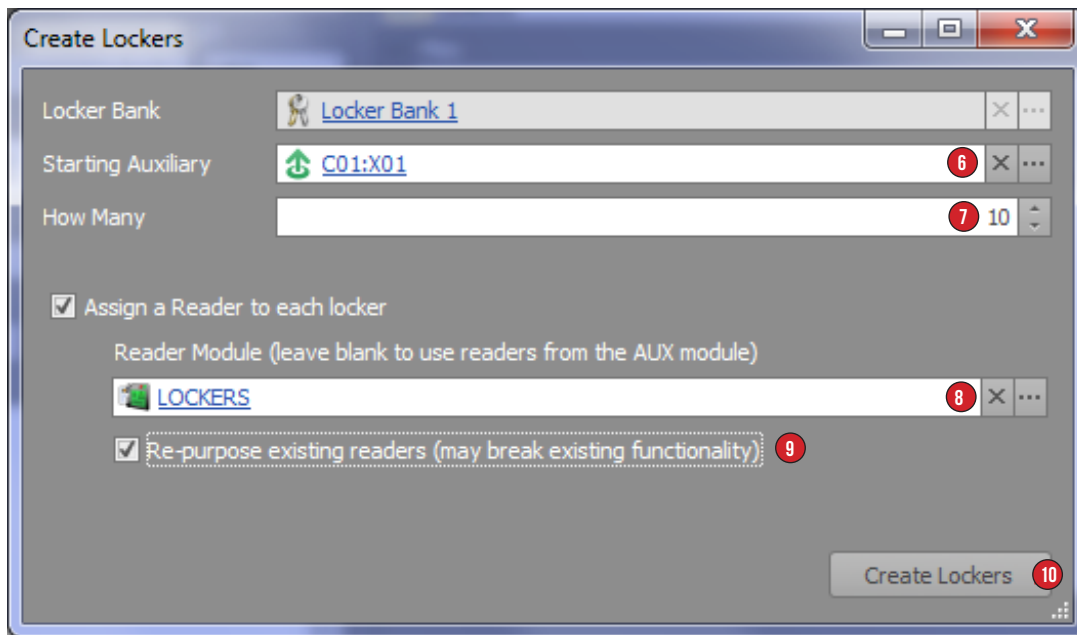
1. Configure the ILAM Readers for Sifer and assign the correct Serial Numbers to each reader. Leave the Reader Purpose as Control Door, this will be changed later.



2. Navigate to Locker Banks under the Access Control tab.
3. Click the Add New button.



4. Click Save
5. Click Bulk Create Lockers



6. Select the Start Auxiliary, in this case it will be C01:X01
7. Set the How Many field to 10 because we want 10 Lockers in this Bank
8. Select the ILAM (Intelligent Reader module)
9. Select the Re-purpose existing reader's option
10. Click Create Lockers

Under the Lockers Tab there should now be 10 Lockers created. They will have been named accordingly.

Controller	Site	ID	Name	Last Modified	Last Modified By
ISC	Integriti Security...	LK1	Locker Bank 1.1	10/11/2016 3:00:22 PM	Rob Test
ISC	Integriti Security...	LK2	Locker Bank 1.2	10/11/2016 3:00:22 PM	Rob Test
ISC	Integriti Security...	LK3	Locker Bank 1.3	10/11/2016 3:00:22 PM	Rob Test
ISC	Integriti Security...	LK4	Locker Bank 1.4	10/11/2016 3:00:22 PM	Rob Test
ISC	Integriti Security...	LK5	Locker Bank 1.5	10/11/2016 3:00:22 PM	Rob Test
ISC	Integriti Security...	LK6	Locker Bank 1.6	10/11/2016 3:00:22 PM	Rob Test
ISC	Integriti Security...	LK7	Locker Bank 1.7	10/11/2016 3:00:22 PM	Rob Test
ISC	Integriti Security...	LK8	Locker Bank 1.8	10/11/2016 3:00:22 PM	Rob Test
ISC	Integriti Security...	LK9	Locker Bank 1.9	10/11/2016 3:00:22 PM	Rob Test
ISC	Integriti Security...	LK10	Locker Bank 1.10	10/11/2016 3:00:22 PM	Rob Test

The first 10 readers on the ILAM should now have a purpose of Access Locker / Locker Bank and each reader should have a unique Locker Assigned.

Reader	Purpose
Reader 1	Access Locker / Locker Bank
Reader 2	Access Locker / Locker Bank
Reader 3	Access Locker / Locker Bank
Reader 4	Access Locker / Locker Bank

Reader	Assigned Locker
Reader 1	Locker Bank 1.1
Reader 2	Locker Bank 1.2
Reader 3	Locker Bank 1.3
Reader 4	Locker Bank 1.4

11. As a final step, assign the Locker bank to the Users Permission structure.

# DYNAMIC – UNLIMITED PROGRAMMING EXAMPLE:

## SCENARIO BRIEF:

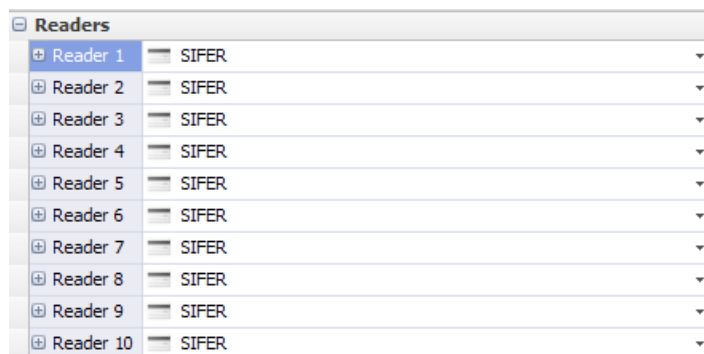
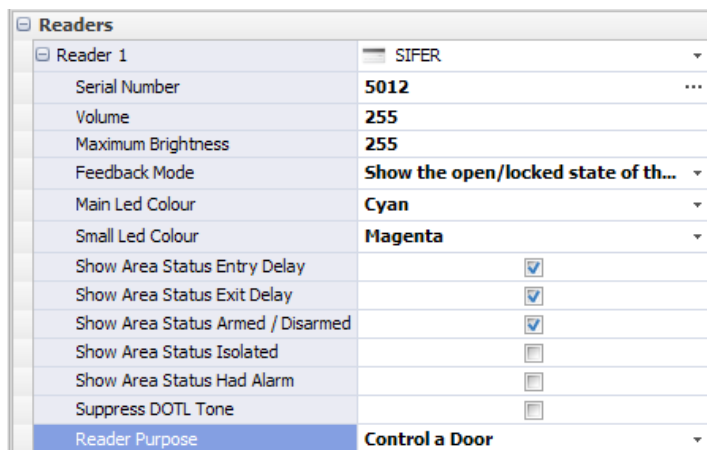
- 20 Lockers
- Ground Floor = 10 Lockers
- Floor 1 = 10 Lockers
- Each with their own individual Reader; they have decided to use Sifer readers to minimize hardware.
- Live status of who is using each Locker from the software
- Users should not be able to utilize more than 1 Locker per floor
- The Lockers must remain unlocked when they are not in use.

## HARDWARE REQUIRED:

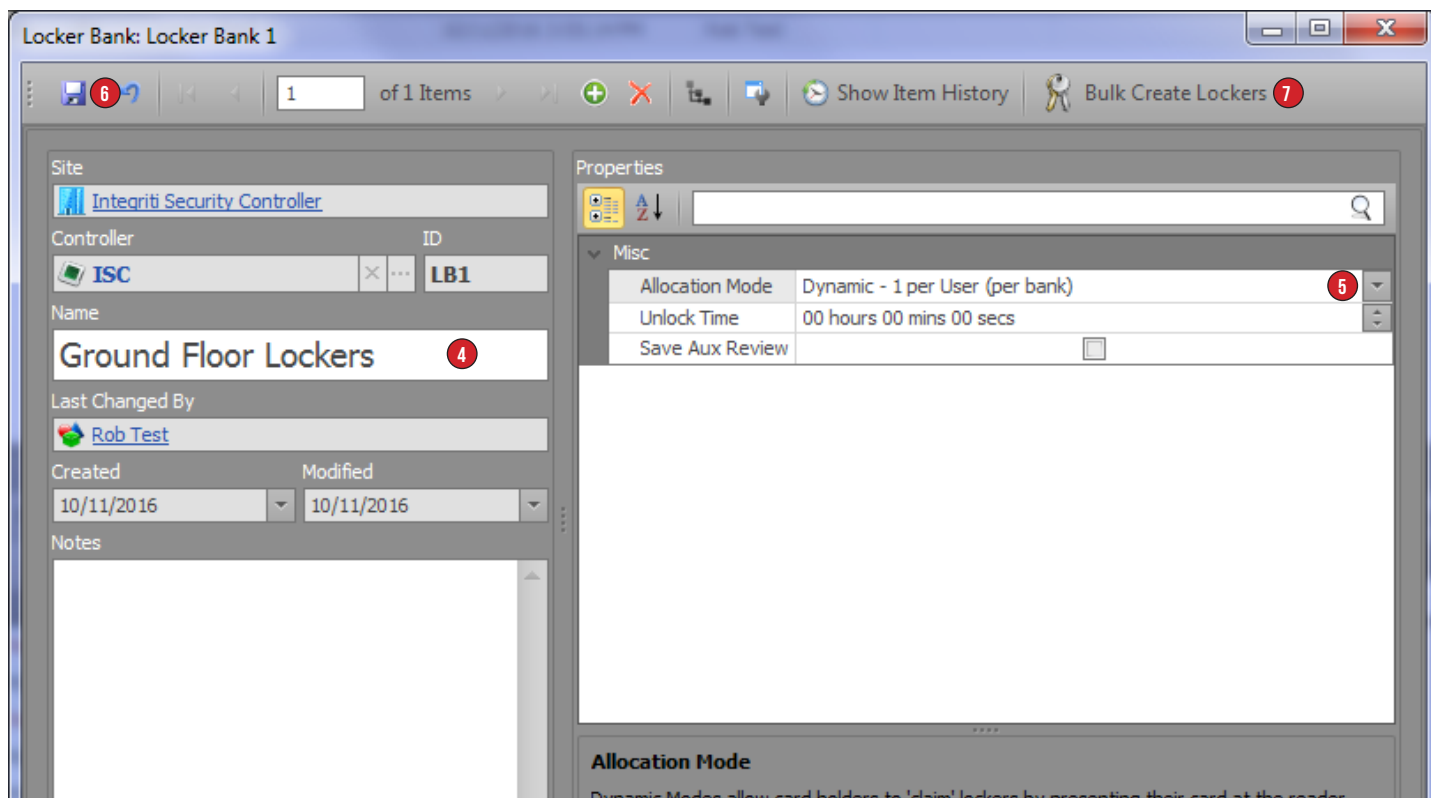
- 1 x ISC Version 16
- 2 x Integriti ILAM Modules
- Integriti Pro V16
- 20 Sifer Readers
- 3 X Unibus 8 Aux Expanders (Connected to ISC)

## PROGRAMMING:

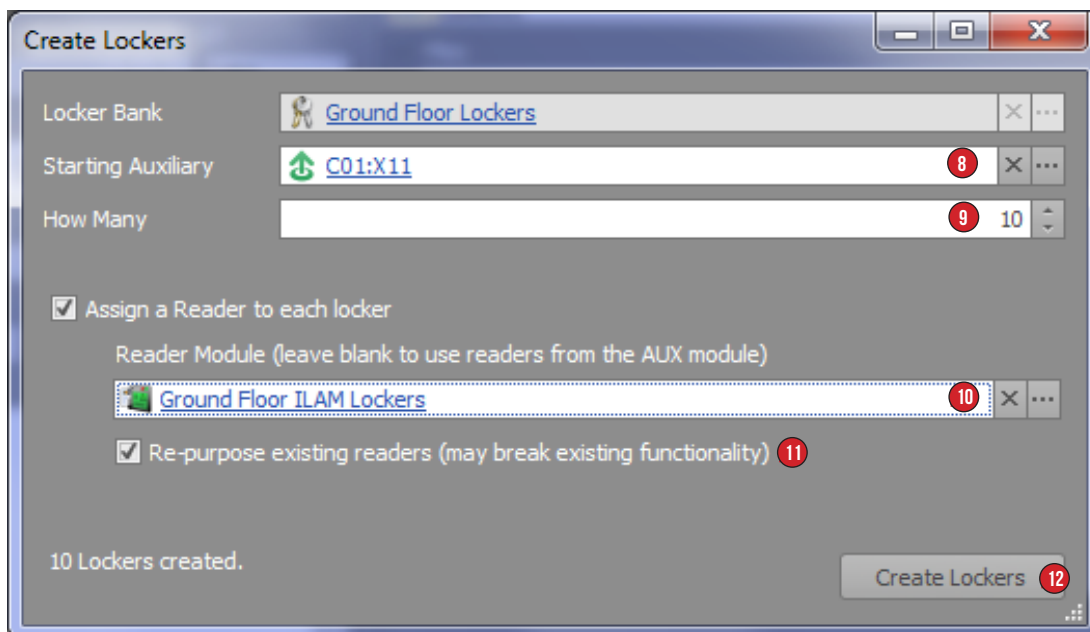
1. Configure the 2 ILAM Readers for Sifer and assign the Correct Serial Numbers to each reader. Leave the Reader Purpose as Control Door, this will be changed later.



2. Navigate to Locker Banks under the Access Control tab
3. Click the Add New button.
4. Name it: Ground Floor Lockers
5. Change the Allocation Mode to Dynamic 1 per User (per bank)



6. Click Save
7. Click Bulk Create Lockers



8. Select the Start Auxiliary, in this case it will be C01:X01
9. Set the How Many field to 10, 10 Lockers are in this Bank
10. Select the Ground floor ILAM (Intelligent Reader module)
11. Enable the Re purpose existing reader's option
12. Click Create Lockers

Under the Lockers Tab there should now be 10 Lockers created. They will have been named accordingly.

Controller	Site	ID	Name	Last Modified
ISC	Integriti Security...	LK1	Ground Floor Lockers.1	10/11/2016 4:00:47 PM
ISC	Integriti Security...	LK2	Ground Floor Lockers.2	10/11/2016 4:00:47 PM
ISC	Integriti Security...	LK3	Ground Floor Lockers.3	10/11/2016 4:00:47 PM
ISC	Integriti Security...	LK4	Ground Floor Lockers.4	10/11/2016 4:00:47 PM
ISC	Integriti Security...	LK5	Ground Floor Lockers.5	10/11/2016 4:00:47 PM
ISC	Integriti Security...	LK6	Ground Floor Lockers.6	10/11/2016 4:00:48 PM
ISC	Integriti Security...	LK7	Ground Floor Lockers.7	10/11/2016 4:00:48 PM
ISC	Integriti Security...	LK8	Ground Floor Lockers.8	10/11/2016 4:00:48 PM
ISC	Integriti Security...	LK9	Ground Floor Lockers.9	10/11/2016 4:00:48 PM
ISC	Integriti Security...	LK10	Ground Floor Lockers.10	10/11/2016 4:00:48 PM

The first 10 readers on the ILAM should now have a purpose of Access Locker / Locker Bank and each reader should have a unique Locker Assigned.

Reader	Purpose
Reader 1	Access Locker / Locker Bank
Reader 2	Access Locker / Locker Bank
Reader 3	Access Locker / Locker Bank
Reader 4	Access Locker / Locker Bank

Reader	Locker / Bank
Reader 1	Ground Floor Lockers.1
Reader 2	Ground Floor Lockers.2
Reader 3	Ground Floor Lockers.3
Reader 4	Ground Floor Lockers.4

13. Assign the Locker bank to the Users Permission structure.
14. Repeat steps 4 – 13 Using a second Locker Bank named First Floor Lockers starting at C01:X11

# PRE-ASSIGNED PROGRAMMING EXAMPLE:

## SCENARIO BRIEF:

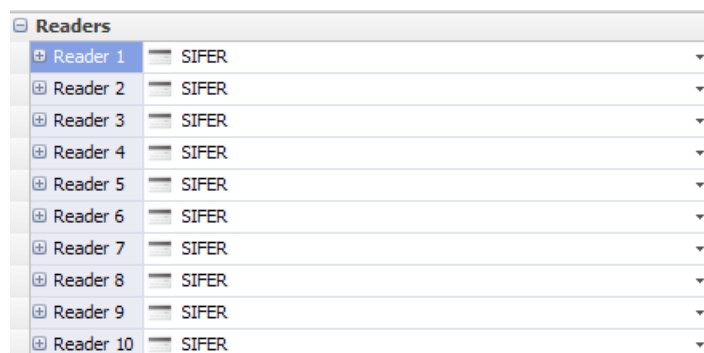
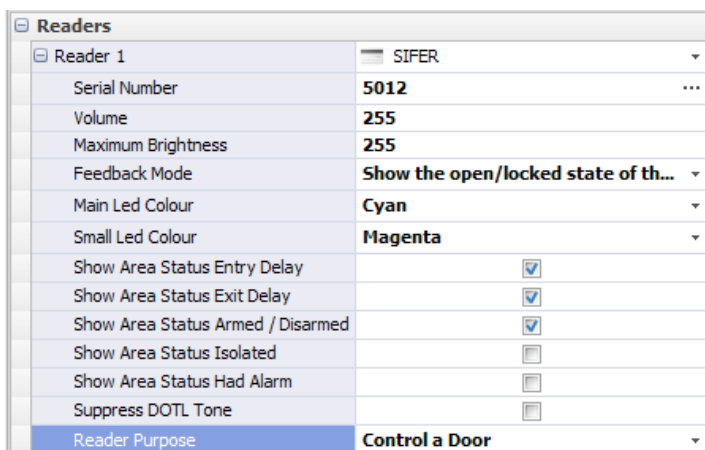
- 10 Lockers
- 1 Centralised Card reader that must control every Locker
- The Lockers must remain Locked at all times
- Each Locker requires a 30 second unlock time
- User Permission must be based on a Single locker basis.

## HARDWARE REQUIRED:

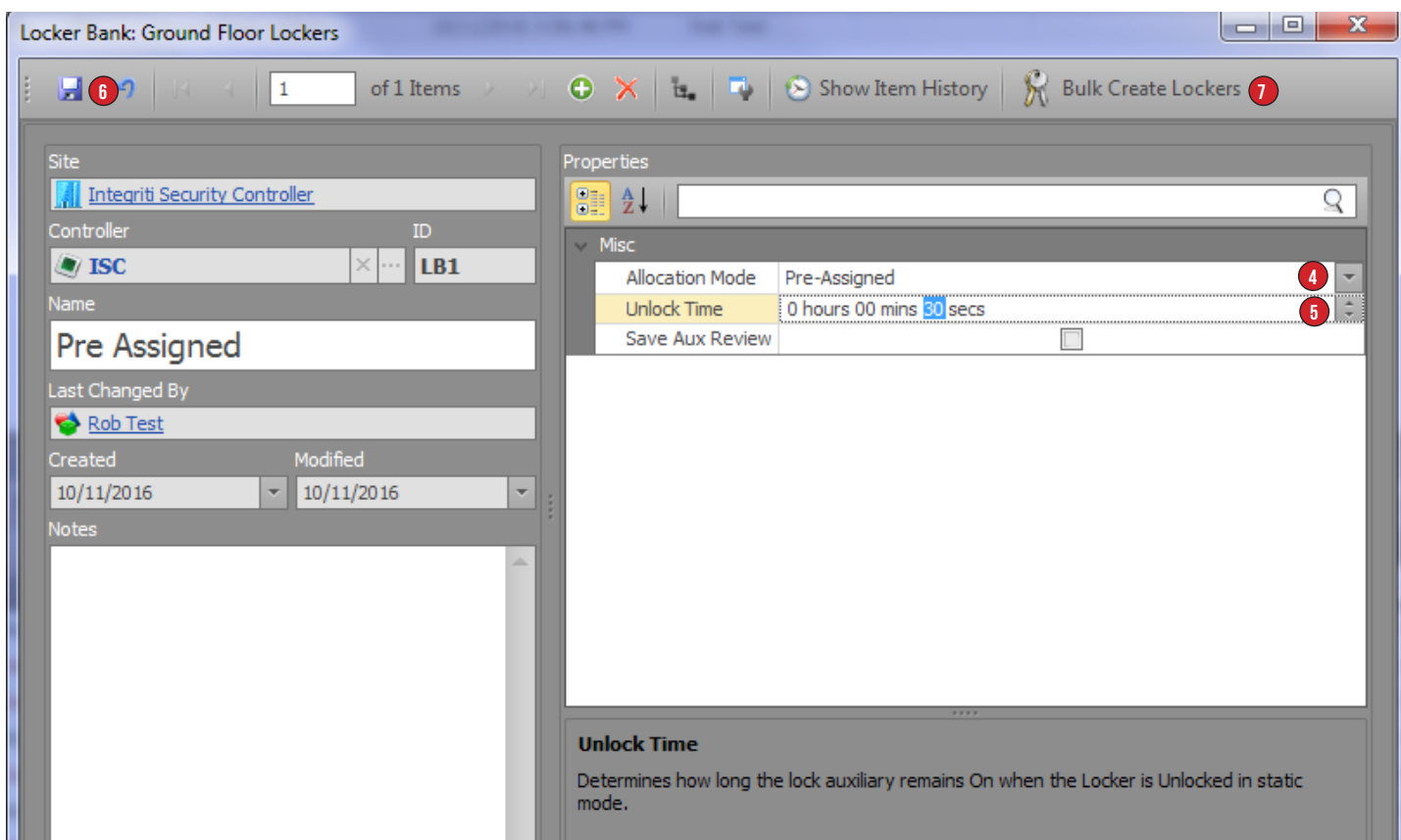
- 1 x ISC Version 16
- 1 x Integriti SLAM
- Integriti Pro V16
- 1 x Sifer Reader
- 2 X Unibus 8 Aux Expanders (Connected to ISC)

## PROGRAMMING:

1. Configure the SLAM Reader for Sifer and assign the Correct Serial number. Leave the Reader Purpose as Control Door, this will be changed later.

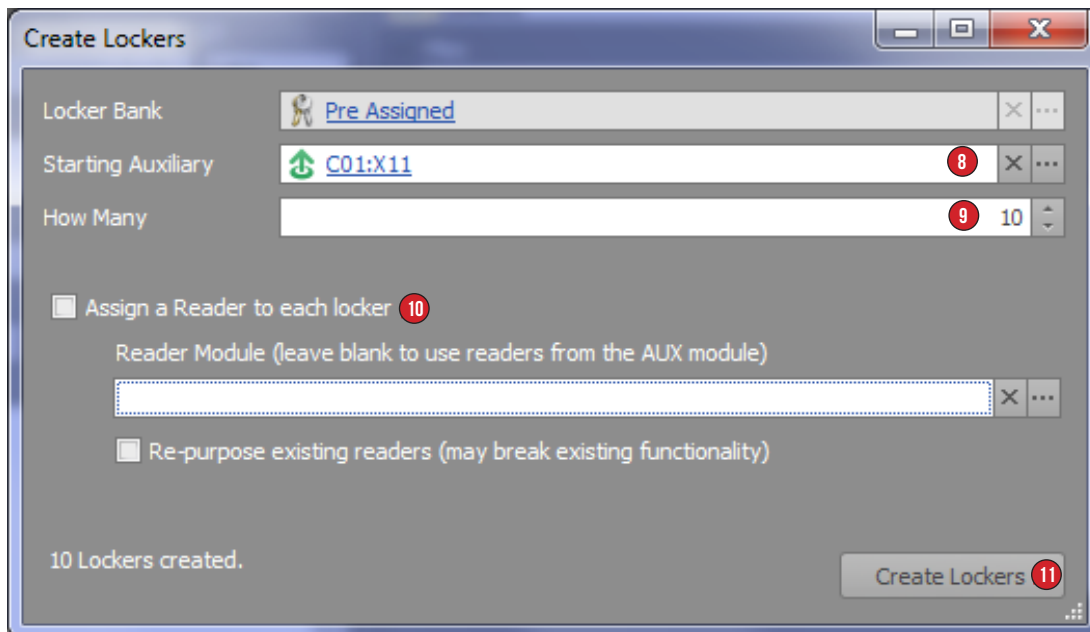


2. Navigate to Locker Banks under the Access Control tab
3. Add New
4. Change the Allocation mode to Pre-Assigned
5. Change the Unlock time to 30 Seconds





6. Click Save
7. Click Bulk Create Lockers



8. Select the Start Auxiliary, in this case it will be C01:X01
9. Set the How many field to 10, there will be 10 Lockers in this Bank
10. De-select Assign a reader to each Locker
11. Click Create Lockers

Under the Lockers Tab there should now be 10 Lockers created. They will have been named accordingly.

...	Controller	Site	ID	Name	Last Modified
	Type here to se...	Type here to se...	Type	Type here to search...	Type here to search...
	ISC	Integriti Security...	LK1	Pre Assigned.1	11/11/2016 9:54:20 AM
	ISC	Integriti Security...	LK2	Pre Assigned.2	11/11/2016 9:54:20 AM
	ISC	Integriti Security...	LK3	Pre Assigned.3	11/11/2016 9:54:20 AM
	ISC	Integriti Security...	LK4	Pre Assigned.4	11/11/2016 9:54:21 AM
	ISC	Integriti Security...	LK5	Pre Assigned.5	11/11/2016 9:54:21 AM
	ISC	Integriti Security...	LK6	Pre Assigned.6	11/11/2016 9:54:21 AM
	ISC	Integriti Security...	LK7	Pre Assigned.7	11/11/2016 9:54:21 AM
	ISC	Integriti Security...	LK8	Pre Assigned.8	11/11/2016 9:54:21 AM
	ISC	Integriti Security...	LK9	Pre Assigned.9	11/11/2016 9:54:21 AM
	ISC	Integriti Security...	LK10	Pre Assigned.10	11/11/2016 9:54:21 AM

11. 8. Edit the SLAM's Reader 1 and change the Reader Purpose to Access Locker/Locker bank. Then Assign the Pre-Assigned Locker bank to the Reader.

Reader Purpose	Access Locker / Locker Bank
Location	(None)
Keypad Area	X ...
Locker / Bank	Pre Assigned

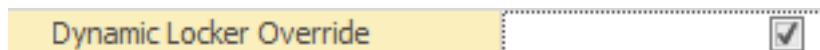
As a final step, assign the Locker bank to the Users Permission structure.



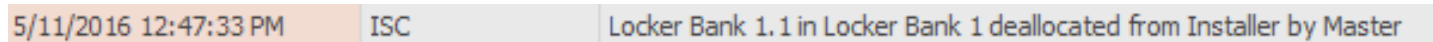
## LOCKER OVERRIDE:

In the event that a Dynamic Locker needs to be unlocked by another User for example the card was lost, a Locker Override Card could be created and given to a staff member.

The Dynamic Locker Override option is in the Menu Group – Access control settings



If a User override unlocks a Locker the following message is logged:



## SOFTWARE INTERACTION FEATURES:

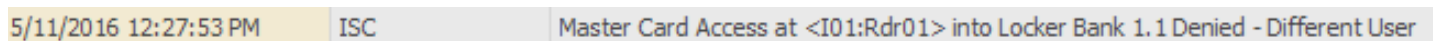
Whilst locked the Software will display who that Locker is assigned to. (Dynamic Modes only)

	ISC	Integriti Security...	LK1	Locker Bank 1.1	5/11/2016 12:21:25 PM	Installer	Installer
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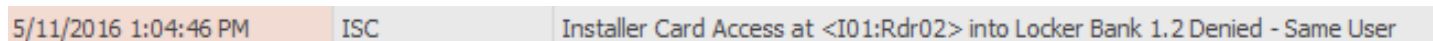
When the Locker is unlocked, the Locker will have a status of Available

	ISC	Integriti Security...	LK1	Locker Bank 1.1	5/11/2016 12:21:25 PM	Installer	Available
--	-----	-----------------------	-----	-----------------	-----------------------	-----------	-----------

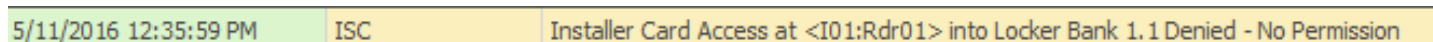
If a User with permission to the same Bank attempts a badge at the already allocated Locker, they will be denied with the following message:



If the User attempts to access a 2nd Locker within the same Bank they will be denied, the following message will be logged:



If a user badges a Locker they don't have permission to they get denied, the following message is logged:



## LOCKER CONTROL:

Right Clicking a Locker has 4 different commands available:

COMMAND	OUTCOME
Toggle Open / Close	Toggles the Locker State and de-allocates the associated User
Open / Deallocate	Unlocks the Locker and de-allocates the associated User
Lock & Disable	If available the Locker will be locked and disabled
Lock & Allocate to User...	If available the Locker will be locked and assigned to a User who has the locker bank within their permissions.

Right Clicking Locker bank has 2 Commands

COMMAND	OUTCOME
Auto-Name Lockers Auxiliaries	Names the associated Auxiliaries according to the Locker name
Bulk Create Lockers	Launches the Locker Wizard

## SIFER READER FEEDBACK:

When using Sifer Readers, there is a Reader feedback option to show the state of an Associated Locker. The Small LED on the Sifer Reader will be red whilst the Locker is locked and green when it is unlocked.

