INTEGRITI LOCKER Configuration guide



Rev 2.0

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LICENCING:

Locker Licences

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

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	8	8	0
Normally Unlocked	♥	⊘	8
Reader Per Bank	8	8	0
Reader Per Locker	♥	⊘	0
Unlimited per bank allocation	♥	8	8
1 Locker per bank	8	⊘	8
Locker per user	O	⊘	0
Locker bank per user	♥	⊘	8
Locker Override	♥	⊘	0
Locker allocation status	♥	⊘	8
Bank definable unlock time	8	8	0

\sim	Misc	
	Allocation Mode	Dynamic - Unlimited
	Unlock Time	Dynamic - Unlimited
	Save Aux Review	Dynamic - 1 per User (per bank)
_	-	Pre-Assigned

Locker Licences are purchased from CSD

Locker Licence Part number #996235

1 Locker Count Licence = 10 Lockers. Therefore if you

require 50 Lockers, you would need to purchase 5

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.

Readers		Θ	Readers	
Reader 1 SIFER		r	⊕ Reader 1	T SIFER T
Serial Number	5012	•	E Reader 2	T SIFER T
Volume	255	6	E Reader 3	T SIFER +
Maximum Brightness	255		E Reader 4	T SIFER .
Feedback Mode	Show the open/locked state of th 👻		Beader 5	SIFER -
Main Led Colour	Cyan -	-	E Reader 6	SIFER +
Small Led Colour	Magenta -		Reader 7	SIFER
Show Area Status Entry Delay	V	0	Reader 8	SIFED
Show Area Status Exit Delay	V			
Show Area Status Armed / Disarmed	V	C C	Reader 9	SIFER +
Show Area Status Isolated		6	E Reader 10	T SIFER +
Show Area Status Had Alarm				
Suppress DOTL Tone				
Reader Purpose	Control a Door	-		

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

Locker Bank: Locker Bank 1	
🗄 🕶 🔫 🔣 🦂 🚺 of 1 Items 🗡 🖓	💿 🗙 🔩 😒 Show Item History 🕺 Bulk Create Lockers 📑
Site Integriti Security Controller Controller ISC ISC Name Locker Bank 1 Last Changed By Installer Created Modified 5/11/2016 Site	Properties Image: Second state Allocation Mode Dynamic - Unlimited Unlock Time 00 hours 00 mins 00 secs Save Aux Review Image: Save Aux Review

- 4. Click Save
- 5. Click Bulk Create Lockers

Create Lockers		
Locker Bank	🖌 Locker Bank 1	×
Starting Auxiliary	3 C01:X01	6 × ···
How Many		10 🗘
Assign a Reader t Reader Module <u>LOCKERS</u> Re-purpose	o each locker (leave blank to use readers from the AUX module) existing readers (may break existing functionality)	8 ×
		Create Lockers 🕕

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

10. Click Create Lockers

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

	🕺 Lo	ckers (Showing 10)	×				
	•	Add New 🛛 😁 Edit	🛅 Duplicate 🗙	Delete	📄 Export 🛛 👜 Print / Export	CSV	
		Controller	Site	ID	Name	Last Modified	Last Modified By
۴		Type here to se. ${\bf Q}$	Type here to se. ${f Q}$	Type .Q	Type here to search ${f Q}$	Type here to search Q	Type here to se. ${\bf Q}$
Þ	R	ISC	Integriti Security	LK1	Locker Bank 1.1	10/11/2016 3:00:22 PM	Rob Test
	R	ISC	Integriti Security	LK2	Locker Bank 1.2	10/11/2016 3:00:22 PM	Rob Test
	R	ISC	Integriti Security	LK3	Locker Bank 1.3	10/11/2016 3:00:22 PM	Rob Test
	R	ISC	Integriti Security	LK4	Locker Bank 1.4	10/11/2016 3:00:22 PM	Rob Test
	R	ISC	Integriti Security	LK5	Locker Bank 1.5	10/11/2016 3:00:22 PM	Rob Test
	R	ISC	Integriti Security	LK6	Locker Bank 1.6	10/11/2016 3:00:22 PM	Rob Test
	R	ISC	Integriti Security	LK7	Locker Bank 1.7	10/11/2016 3:00:22 PM	Rob Test
	R	ISC	Integriti Security	LK8	Locker Bank 1.8	10/11/2016 3:00:22 PM	Rob Test
	R	ISC	Integriti Security	LK9	Locker Bank 1.9	10/11/2016 3:00:22 PM	Rob Test
	R	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.

 Readers 		 Readers
✓ Reader 1	SIFER	✓ Reader 1 SIFER
Reader Purpose	Access Locker / Locker Bank	Locker / Bank 🕺 Locker Bank 1.1
✓ Reader 2	SIFER	✓ Reader 2 SIFER
Reader Purpose	Access Locker / Locker Bank	Locker / Bank 🕺 Locker Bank 1.2
✓ Reader 3	SIFER	✓ Reader 3 SIFER
Reader Purpose	Access Locker / Locker Bank	Locker / Bank 🕺 Locker Bank 1.3
✓ Reader 4	SIFER .	✓ Reader 4 SIFER
Reader Purpose	Access Locker / Locker Bank	Locker / Bank 🕺 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.

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.

Readers	
🗆 Reader 1	SIFER .
Serial Number	5012
Volume	255
Maximum Brightness	255
Feedback Mode	Show the open/locked state of th
Main Led Colour	Cyan .
Small Led Colour	Magenta .
Show Area Status Entry Delay	V
Show Area Status Exit Delay	
Show Area Status Armed / Disarmed	
Show Area Status Isolated	
Show Area Status Had Alarm	
Suppress DOTL Tone	
Reader Purpose	Control a Door

Readers		
🕀 Reader 1	SIFER	*
① Reader 2	SIFER SIFER	Ŧ
① Reader 3	SIFER SIFER	Ŧ
🕀 Reader 4	SIFER SIFER	Ŧ
① Reader 5	SIFER SIFER	Ŧ
🕀 Reader 6	SIFER SIFER	Ŧ
🕀 Reader 7	SIFER SIFER	Ŧ
① Reader 8	SIFER SIFER	Ŧ
🕀 Reader 9	SIFER SIFER	Ŧ
🕀 Reader 10	SIFER	*

- 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)

Locker Bank: Locker Bank 1	
	🕒 🗙 🔩 😒 Show Item History 🕺 Bulk Create Lockers 🕖
Site	Properties
Integriti Security Controller	Q .
Controller ID	V Misc
ISC × ···· LB1	Allocation Mode Dynamic - 1 per User (per bank)
Name	Unlock Time 00 hours 00 mins 00 secs
Ground Floor Lockers	Save Aux Review
Last Changed By	
September 2015	
Created Modified	
10/11/2016 🔻 10/11/2016 🔻	
Notes	
A	
	Allocation Mode
	Dynamic Modes allow card holders to 'claim' lockers by presenting their card at the reader

- 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.

- 6. Click Save
- 7. Click Bulk Create Lockers

Create Lockers		
Locker Bank	🖌 Ground Floor Lockers	×
Starting Auxiliary	★ C01:X11	8 × ···
How Many		9 10 🗘
Assign a Reader for Reader Module Reader Module Ground File Re-purpose	to each locker e (leave blank to use readers from the AUX module) <u>oor ILAM Lockers</u> e existing readers (may break existing functionality) 11	1 × …
10 Lockers created.		Create Lockers 🔞

- 8. Select the Start Auxiliary, in this case it will be C01:X01
- 10. Select the Ground floor ILAM (Intelligent Reader module)

11. Enable the Re purpose existing reader's option

- 9. Set the How Many field to 10, 10 Lockers are in this Bank
- 12. Click Create Lockers

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

	💦 Lo	ockers (Showing 10) (1 Selected) 🗙					
	.	Add New 🔗 Edit	🖞 Duplicate 🗙	Delete	📄 Export 🛛 👜 Print / Exp	ort	CSV	
		Controller	Site	ID	Name		Last Modified	
۴		Type here to se. ${f Q}$	Type here to se. ${f Q}$	Type .Q	Type here to search	Q	Type here to search	2
	R	ISC	Integriti Security	LK1	Ground Floor Lockers. 1		10/11/2016 4:00:47 PM	
	R	ISC	Integriti Security	LK2	Ground Floor Lockers.2		10/11/2016 4:00:47 PM	
	R	ISC	Integriti Security	LK3	Ground Floor Lockers.3		10/11/2016 4:00:47 PM	
	R	ISC	Integriti Security	LK4	Ground Floor Lockers.4		10/11/2016 4:00:47 PM	
	R	ISC	Integriti Security	LK5	Ground Floor Lockers.5		10/11/2016 4:00:47 PM	
	R	ISC	Integriti Security	LK6	Ground Floor Lockers.6		10/11/2016 4:00:48 PM	
	R	ISC	Integriti Security	LK7	Ground Floor Lockers.7		10/11/2016 4:00:48 PM	
	R	ISC	Integriti Security	LK8	Ground Floor Lockers.8		10/11/2016 4:00:48 PM	
	R	ISC	Integriti Security	LK9	Ground Floor Lockers.9		10/11/2016 4:00:48 PM	
►	R	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.

×	v Readers							
	~	Reader 1	SIFER					
		Reader Purpose	Access Locker / Locker Bank					
	¥	Reader 2	SIFER					
		Reader Purpose	Access Locker / Locker Bank					
	¥	Reader 3	SIFER					
		Reader Purpose	Access Locker / Locker Bank					
	~	Reader 4	SIFER					
		Reader Purpose	Access Locker / Locker Bank					

Υ.	Re	aders		
	~	Reader 1		SIFER
		Locker / Bank	R	Ground Floor Lockers.1
	¥	Reader 2		SIFER
		Locker / Bank	R	Ground Floor Lockers.2
	¥	Reader 3		SIFER
		Locker / Bank	R	Ground Floor Lockers.3
	¥	Reader 4		SIFER
		Locker / Bank	R	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

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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.

🖻 Reader 1	SIFER .
Serial Number	5012
Volume	255
Maximum Brightness	255
Feedback Mode	Show the open/locked state of th
Main Led Colour	Cyan .
Small Led Colour	Magenta -
Show Area Status Entry Delay	V
Show Area Status Exit Delay	V
Show Area Status Armed / Disarmed	
Show Area Status Isolated	
Show Area Status Had Alarm	
Suppress DOTL Tone	
Reader Purpose	Control a Door

Readers		
🕀 Reader 1	SIFER SIFER	*
🕀 Reader 2	SIFER SIFER	*
Reader 3	SIFER SIFER	*
🕀 Reader 4	SIFER SIFER	*
🕀 Reader 5	SIFER SIFER	*
🕀 Reader 6	SIFER SIFER	*
🕀 Reader 7	SIFER SIFER	*
Reader 8	SIFER SIFER	*
Reader 9	SIFER SIFER	*
🕀 Reader 10	SIFER SIFER	*

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

Locker Bank: Ground Floor Lockers

- 4. Change the Allocation mode to Pre-Assigned
- 5. Change the Unlock time to 30 Seconds

🚽 🚯 🤉 🔣 🦂 📔 🛛 of 1 Items 💚	🚈 😌 🗙 📴 😨 Show Item History 🕺 Bulk Create Lockers 👩	
lite	Properties	
Integriti Security Controller		
Controller ID	V Misc	í.
ISC × ··· LB1	Allocation Mode Pre-Assigned	-
lame	Unlock Time 0 hours 00 mins 30 secs 5	÷
Pre Assianed	Save Aux Review	
ast Changed By		
V ROD Test		
Created Modified		
10/11/2016 • 10/11/2016		
lotes		
	Unlock Time	
	Determine have the last an #energy in Or where the Laster in U.J. dual is the fire	
	Determines now long the lock auxiliary remains On when the Locker is Unlocked in static mode.	

6.	Click	Save
6.	Click	Save

7. Click Bulk Create Lockers

Create Lockers		x
Locker Bank	🕅 Pre Assigned	×
Starting Auxiliary	\$ <u>C01:X11</u>	8 × …
How Many		9 10 🗘
Assign a Reader to Reader Module Reader Module Re-purpose	each locker 10 (leave blank to use readers from the AUX module) existing readers (may break existing functionality)	×
10 Lockers created.		Create Lockers 1

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

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

	🖁 Lo	ockers (Showing 10)	×			
	•	Add New 🔗 Edit	🚹 Duplicate 🗙	Delete	📑 Export 🛛 👜 Print / Export	CSV
		Controller	Site	ID	Name	Last Modified
٩		Type here to se. ${f Q}$	Type here to se. ${f Q}$	Type .Q	Type here to search Q	Type here to search Q
Þ	R	ISC	Integriti Security	LK1	Pre Assigned. 1	11/11/2016 9:54:20 AM
	R	ISC	Integriti Security	LK2	Pre Assigned.2	11/11/2016 9:54:20 AM
	R	ISC	Integriti Security	LK3	Pre Assigned.3	11/11/2016 9:54:20 AM
	R	ISC	Integriti Security	LK4	Pre Assigned.4	11/11/2016 9:54:21 AM
	R	ISC	Integriti Security	LK5	Pre Assigned. 5	11/11/2016 9:54:21 AM
	R	ISC	Integriti Security	LK6	Pre Assigned.6	11/11/2016 9:54:21 AM
	R	ISC	Integriti Security	LK7	Pre Assigned.7	11/11/2016 9:54:21 AM
	R	ISC	Integriti Security	LK8	Pre Assigned.8	11/11/2016 9:54:21 AM
	R	ISC	Integriti Security	LK9	Pre Assigned.9	11/11/2016 9:54:21 AM
	R	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		×	
Locker / Bank	R 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.

 \checkmark

.....

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

Dynamic Locker Override

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

ISC

5/11/2016 12:47:33 PM

Locker Bank 1.1 in Locker Bank 1 deallocated from Installer by Master

SOFTWARE INTERACTION FEATURES:

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

R	ISC	Integriti Sec	urity	LK1	Locker Bank 1.1	5/11/2016 12:21:25 PM	Installer	Installer	
Wh	When the Locker is unlocked, the Locker will have a status of Available								
R	ISC	Integriti Sec	curity	LK1	Locker Bank 1.1	5/11/2016 12:21:25 PM	Installer	Available	
If a mes	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:								
5/1	1/2016 12:27:53 F	PM I	SC		Master Card Access at	<i01:rdr01> into Locker</i01:rdr01>	Bank 1.1 Denied -	Different User	
lf th	If the User attempts to access a 2nd Locker within the same Bank they will be denied, the following message will be logged:								
5/1	1/2016 1:04:46 PI	M I	ISC		Installer Card Access	at <i01:rdr02> into Locke</i01:rdr02>	r Bank 1.2 Denied	- Same User	
If a	If a user badges a Locker they don't have permission to they get denied, the following message is logged:								

5/11/2016 12:35:59 PM ISC Installer Card Access at <I01:Rdr01> into Locker Bank 1.1 Denied - No Permission

LOCKER CONTROL:

Right Clicking a Locker has 4 different commands available:

	COMMAND	OUTCOME
R	Toggle Open / Close	Toggles the Locker State and de-allocates the associated User
R	Open / Deallocate	Unlocks the Locker and de-allocates the associated User
R	Lock & Disable	If available the Locker will be locked and disabled
R	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
\Re	Auto-Name Lockers	Auxiliaries	Names the associated Auxiliaries according to the Locker name
R	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.

🖯 Readers		
🗆 Reader 1	SIFER SIFER	-
Serial Number	1444	
Volume	255	
Maximum Brightness	255	
Feedback Mode	Show the open/locked state of the door associated with this reader	÷
Main Led Colour	Cyan	-