inner range

UNIFIED VIDEO, ACCESS & SECURITY SYSTEMS

INTEGRITI

SLAM Release Notes
August 2024

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Version 4.1.0

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Version 4.1.0

August 2024

Important Notes

A SLAM that has been manufactured by Inner Range using this firmware or newer will not be able to downgrade to any prior firmware version. This is due to the “firmware update security improvements” that have been implemented in this release.

New Features

- Added support for Break Glass detection using the REN input.
- LEDs now indicate when the Offline Card cache database is being erased.
- Addition firmware update security has been implemented.

Alterations

- Custodial lock will attempt to relock for up to 48 hours.

Issues Resolved

- Fixed Custodial lock not attempting to relock on lock action failure [broken V4.0.7.42243]
- Fixed firmware downgrade on Class 5 systems causing loss of encryption key
- Aperio lock monitoring would report a flat battery as being battery Ok.
- HID iCLASS SE RM40E Magstripe Reader not working.

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Version 4.0.7

November 2022

Alterations

- Improve the off-line system input behaviour.

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Version 4.0.6

October 2021

New Features

- Add initial support for SIFER Mobile Access reader.

Alterations

- Improve the off-line system input behaviour.

Issues Resolved

- Fix issues when high numbered card formats are used.
- Resolved an issue where the cabinet tamper did not work when custodial locks were enabled.

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Version 4.0.5

March 2021

Issues Resolved

- Resolved an issue in V4.0.4.39718 which could cause some SIFER readers to not beep when required.

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Version 4.0.4

February 2021

Issues Resolved

- Resolved an issue where configuration data could get lost after many config data writes on RevD hardware.
- Resolved an issue with Tecom reader support when reading 26 bit cards.
- Resolved an issue with OSDP reader LED colours, where they would return to the default LED colour when the reader lost comms or reset etc.

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Version 4.0.3

December 2020

Alterations

- Changed input de-bouncing slightly to allow off-line REX/REN access on the Inception to work better.
- Changed custodial lock timing to help overcome issues with problematic solenoids.

Issues Resolved

- Resolved several issues with custodial locks introduced in V4.0.0.38507.
- Resolved issues with custodial locks when running on RevD hardware.

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Version 4.0.0

July 2020

Known Issues

- Custodial lock support is broken in this firmware. Therefore SLAMs driving 3R63 custodial locks or similar should not use this firmware.

Important Upgrade Note

- Downgrading the firmware version below this release will default the LAN encryption key.

New Features

- Added support for the “Wiegand Feedback Mode” where on a per reader basis the valid output can be configured to follow the door lock state.
- Added support for the new SLAM hardware revision Rev_D.

Issues Resolved

- Change LED indication of module-disabled to match other LAN modules.
- SALTO Fix Sending feedback to Lock when Offline.
- Only update on board Auxes when the lock is programmed as On-Board.

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Version 3.2.4

INTEGRITI

Version 3.2.4

September 2019

New Features

- SALTO Add special processing of SIFER-C cards on SALTO (Reported credential length must be set to 26 bytes using SALTO programming tool). This fixes an issue where certain SIFER-C-Aperio cards return an incorrect card length.

Alterations

- Custodial door will attempt to re-lock if door re-closed after previous lock attempt failure.
- Door REX and REN off-line enable setting now always applied. Previously only applied when cache disabled.
- Improve module sensitivity to power supply noise.
- SALTO Sallis and SimonsVoss Intego RF locks now operate when SLAM module is off-line.

Issues Resolved

- Prevented the custodial Lock activating unnecessarily on module power up.
- Resolved an issue that could occasionally cause an EOL to not update when modified.

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Version 3.2.0

December 2018

New Features

- Add support for Custodial Locks. Custodial lock operation is not available when SLAM is offline to the controller. Requires V18.2 software and panel firmware.
- Added support for using programmed custom encryption keys with OSDP readers. (V18.2)
- Added support for changing the address of OSDP readers. (V18.2)
- Added support for rebooting when requested by the control panel. (V18.2)

Alterations

- Improved the reliability of the LAN, especially when running in encrypted mode.
- Offline REX/REN now follows Offline Door button programming when cache disabled. Previously Door buttons were disabled when the cache was disabled.
- Reduced FLASH memory erase from 60s to 30s. Also erases any downloaded firmware.

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Version 3.1.3

September 2018

Alterations

- Cache record stored with future time, now reset to current time [Inception related bug]

Issues Resolved

- Sifer keypad button presses could unlock door if module goes offline

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Version 3.1.2

May 2018

Issues Resolved

- Resolved an issue with REN button access introduced in V3.1.0.31864.
- Resolved an issue with OSDP readers connected to a SLAM where the programmed “crypt mode” was not enforced for readers that reported they were not capable of encryption.

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Version 3.1.1

April 2018

Alterations

- Reinstated some functionality required for production testing that was mistakenly removed in V3.1.0.31864.

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Version 3.1.0

March 2018

New Features

- Opening an Aperio lock with the inside handle will now trigger a REX. This will prevent a door forced from accidentally being triggered.
- Tampering an Aperio Cabinet Lock will now raise an alarm on the corresponding Door Tamper System input.

Alterations

- SIFER reader 3 badge arming now provides visual (LED) and audible feedback of the success or failure of the area arming.
- Fault LED activated if a hardware fault is detected in the SLAM during power up.
- Reduced the latency of sending input change messages on the LAN. This will improve responsiveness of REN/REX buttons, especially in Inception.

Issues Resolved

- Fixed issue where SIFER reader could become unresponsive if its OSDP address changed since the SLAM powered up. This could cause the SIFER reader to stop giving feedback but continue to unlock the door.
- Improve firmware download reliability.
- Resolve an issue where SIFER readers which had previously been connected to an ILAM or IAC might not address correctly when placed on a SLAM

Important Note

- This firmware has not been tested with Simons Voss locks. It is not guaranteed that this firmware will work with existing Simons Voss installations.

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Version 3.0.6

September 2017

New Features

- Added support for driving Tecom TS0870 readers on the RS485 reader bus. This is a licensed feature.

Alterations

- Improved choice of tones used for feedback on SIFER readers.

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Version 3.0.5

April 2017

New Features

- Added support for Aperio Prox cabinet locks.
- Added support for reading SIFER-APERIO compatability cards on SALTO readers.
- Added support for OSDP to Wiegand converters.

Issues Resolved

- Corrected the byte order of card data when reading MIFARE DESFIRE sector data on a SALTO reader.
- Resolved an issue using CARD+PIN on an APERIO lock with an integrated keypad.

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Version 3.0.4

December 2016

Important Upgrade Note

- If you are upgrading from V2.1.3 SLAM firmware or earlier and are using SIFER or OSDP readers, please be aware that OSDP addresses above 3 will no longer work. Previously addresses 4-15 could be used only due to a bug in the SLAM firmware. Also if a SIFER or other OSDP reader is moved from an IAC or ILAM to a SLAM it may have an address above 3. The current OSDP address can be seen in review when the reader powers up.
- For non-SIFER OSDP readers above address 3: Use the manufacturer recommended method for setting the address to ensure all readers have an address between 0 and 3 prior to upgrading SLAM firmware.
- For SIFER readers: ensure all SIFER readers are V1.6.0b6 or later. If not, the SIFER firmware can be upgraded via LAN download first. Then ensure OSDP auto-addressing is enabled on the SLAM. When you upgrade the SLAM firmware, all SIFER readers will readdress to OSDP addresses 0-3 within 1 minute.

Issues Resolved

- Resolved an issue setting the permanent LED colour for OSDP readers.

Alterations

- Added additional support for driving HID OSDP readers at OSDP bus address 4.

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Version 3.0.3

December 2016

Issues Resolved

- Reverted an accidental change to the DOTL tone when played on SIFER readers running V1.6.0b1 to V1.6.0b4 firmware that was introduced in the SLAM V3.0.2.27088 firmware.

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Version 3.0.2

October 2016

New Features

- Added the ability to disable the SLAM card cache.
- Added support for APERIO keypads.

Alterations

- Modules with dip switched above 99 are now prevented from operating. Previously they were mapped to number 99.
- Implemented changes to make the area feedback on OSDP readers more reliable.
- Added support for more SIFER reader feedback tones.

Issues Resolved

- Improved the reliability of the firmware download.
- Resolved an issue with non-SIFER OSDP readers when doing encrypted communications.

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Version 3.0.1

June 2016

Issues Resolved

- Fixed an issue when connected to a Class 5 controller
- Improved LAN performance to reduce module off-line events

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Version 3.0.0

June 2016

New Features

- Added support for Advanced LAN encryption when connected to a class 5 controller.

Issues Resolved

- Fixed an issue which caused off-line access on readers that had a card format with the Card Type set to “legacy C3k Raw Data”, “Mag Swipe Site Code”, or “Mag Swipe Raw Data” to fail.
- Fixed an issue that caused off-line access to fail with certain door configurations.
- OSDP resolved some issues, including SIFER disconnection reporting on Inception.
- Fixed issue which allowed OSDP addresses above 3 to partially work. From this version on only OSDP addresses 0-3 are allowed on SLAMs. This may cause issues when moving SIFER readers from ILAMs to SLAMs when the SIFER has older firmware or auto-addressing is disabled.

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Version 2.1.3

February 2016

Issues Resolved

- Fixed issue where changes to OSDP settings in module programming didn't immediately take effect.
- Fixed an issue where MIFARE Classic cards were not being read correctly when badged at Aperio readers that were configured to return sector data instead of just the UID.

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Version 2.1.2

INTEGRITI

Version 2.1.2

December 2015

Alterations

- AC hold-off time setting of zero seconds now give zero delay (was 30 seconds) This setting must be edited in Controller Module Settings, General behaviour.
- Now Low Volts system input goes into alarm when communication is lost to an attached smart Integriti Power Supply, as with other Integriti modules.

Issues Resolved

- Fixed issue where a spurious input state could be reported after the SLAM was reset.
- Fixed issue which occasionally caused power supply faults on attached smart power supplies to not get reported.
- Fixed issue with SIFER and OSDP readers not working when SLAM in offline cached mode after reset.
- fixed issue where reader beep or flash would occur on wrong side of the door in response to a REN or REX.
- Correct updating of Salto Unlock times when altered.
- Fix issue where Salto System inputs.

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Version 2.1.1

August 2015

New Features

- Simons Voss Smart Intego wireless reader support added.
- Add support of SIFER LED and tone feedback when in offline mode.

Issues Resolved

- improved reliability of OSDP bus.
- Fix card cache saving wrong door permission for users for offline access.
- Fix offline card cache to follow Reader and Door maps correctly when caching user card access.
- Fix issue where auxiliary control may randomly change auxiliary state (with Control module firmware pre V2.1).
- Disable onboard reader hardware if readers set to serial reader type

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Version 2.1.0

July 2015

New Features

- Aperio Serial Reader support

Alterations

- Alarm all power supply system inputs when communications lost to smart PSU.
- On board Auxiliary and Valid/Invalid LED interaction adhere to No LEDs option.

Issues Resolved

- Fix Reset problem when Aperio EAC Address 0 set
- Disable onboard inputs when External inputs mapped for Door
- DOTL Relays now follow Door mapping configuration
- Stop Reader Valid / Invalid LED activation when non-Onboard Readers selected.

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Version 2.0.4

August 2015

Issues Resolved

- Correct Version number (was reporting V2.0.3.22239)

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Version 2.0.4

June 2015

Issues Resolved

- Improve start up reliability

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Version 2.0.3

April 2015

Issues Resolved

- Fix the reader tamper system inputs when used with SIFER readers

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Version 2.0.2

March 2015

New Features

- SIFER granted / denied feed back for off-line SIFER Readers.

Alterations

- Improve OSDP / SIFER resilience to temporary LAN glitches.

Issues Resolved

- Fix SLAM off-line Reader unlocking wrong Door.

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Version 2.0.0

December 2014

Known Issues

- Downloading firmware to SIFER readers is not always reliable. Repeated attempts should be successful.

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