# Integra32 Release Notes

Integra32 R5.0 Version 5.1.15

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# Firmware

## Revision History

| Software | Firmware | iButton | Panel | Comments |
|---|---|---|---|---|
| 3.0-3.4 | 7.x-9.9 | | IRC-2000-2<br>IRC-2000-3 | URC2000 is not compatible. |
| 3.0-3.4 | 78-80 | | IRC-2000-4 | Downgrade firmware 100+ to version 78-80 (Mag stripe version is 179). |
| 3.5 | 100+<br>10+ | | IRC-2000-4<br>URC-2000 | IRC2000-4 Mag Stripe version is IRCM108U.rbh |
| 3.5+ | 100+ | | IRC-2000-2<br>IRC-2000-3 | Hardware change required; firmware upgrade not compatible. |
| 4.0+ | 100+<br>17+<br>ELC17+ | Yellow | IRC-2004+<br>URC-2000<br>URC-2008 | Elevator control supported on Software R4.0 and above. |
| 3.5+ | 150+ Chip<br>150+ Chip<br>150+ Chip | Blue | IRC-2000-5<br>URC-2000-4<br>URC-2008 | 150+ FW supported on Blue iButton only. Elevator control will only work with software R4.0 and above. |

## Upgrade Scenarios

| iButton | Firmware | Firmware Upgrade | Compatibility |
|---|---|---|---|
| Blue | v150+ | v150+ | Compatible |
| Blue | IRC v150+ | IRC ver. 113 or Lower | Not Compatible – Blue iButtons are compatible with v150 firmware or above |
| Blue | URC v150+ | URC versions 14-20 | Not Compatible – Blue iButtons are compatible with v150 firmware or above |
| Yellow | v113 or lower | v150 or higher | Not Compatible –Yellow iButtons are compatible with 113 firmware or below |

## Alarm Panel Interface

| Software | Firmware | Panel | Comments |
|---|---|---|---|
| 3.4 | SUM22<br>76+ | PC-100<br>IRC-2000-2<br>IRC-2000-3 | SUM22 firmware is for the Summit panel 3208GLD only. |
| 3.5+ | SUM22<br>BIE23 /<br>BIL23 105+<br>14+ | PC-100<br>PC-100<br>IRC-2000<br>URC-2000 | SUM22 is for the Summit panel 3208GLD only.<br>BIE23 is for the Bosch panel DS7400 only.<br>BIL23 is for the Bosch panel DS7400Xi only. |

## Exit Reader Module

| Software | Firmware | Panel | Comments |
|---|---|---|---|
| 3.5+ | 107+<br>14+ | IRC-2000-4<br>URC-2000 | |



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# Software

## Integra32 R2

### Release 2.0

- A bug in the Time & Attendance report has been fixed.
- User security has been expanded to include IRC-2000 commands, reports, and the backup module.
- A communications bug has been fixed.
- Communications between panels and the PC has been enhanced.

### Release 2.0 SP1

- A bug in the name changing of the fields ‘More Fields’ tab was fixed.
- The Department field not being saved properly has been fixed.
- History report now verifies that end date and time (not just the end time) is later then the start.
- Descriptions have been added to the Integra32 “Errors.log” file.
- ‘Invalid panel message’ message has been added. (Messages with a time or data section of 0 are invalid messages).
- History report bug fixed. The history report wasn’t checking the current history file if the current date wasn’t selected for the report.
- Server Alive Message has been added so that the Client can display a message if it hasn’t been in contact with the server for a number of minutes.
- The bug causing error “can’t find LogHistoryTemp” has been fixed.

## Integra32 R3

### Release 3.1

- Global Anti-passback has been implemented.
- Global links has been implemented.
- PC Decision has been implemented.
- The Modem setup has been revamped for more consistent operation.
- The super user's privileges have been broken down to allow separate selection of 'Ignore APB', 'High Security' and 'Lock/Unlock'.
- History purge will run with start-up if it hasn’t already been run that day.
- Photo Badging has been added.
- DVR interface has been added.
- Video verification has been added.

### Release 3.2

- Must have firmware version 72 or higher.
- Multi-Site capability has been added.
- Programmable Event Codes (PECodes) have been added.
- Schedules have been increased to 32.
- Modem call in on 80% buffer full has been fixed.
- A bug in the Reset Area schedule has been fixed.
- Global Anti-passback bug for large card numbers has been fixed.
- Badging module has been improved.


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- Card format added: Securakey 32-bit.

## Release 3.2 SP1

- Bugs related to the Badging Module were fixed.

## Release 3.2 SP2

- A bug related to cardholder partial download is fixed.
- The bug related to cardholder window when cards are imported is fixed. (Cardholder window was not refreshing, i.e. the new cards were not showing in the cardholder window if the Integra32Lclient was running while import utility was run.)
- Must have firmware version 73 or higher.
- New Mode 'Inhibit ID' is added for the reader, if turned on, Access granted messages would not display card number.
- 'Verify memory' for the panel will not return any messages.
- The bug related to saving Checking/Unchecking of Interlock for the panel is fixed.

## Release 3.2 SP3

- Bugs related to the Time & Attendance Report were fixed.
- Bugs in Code Reader Links were fixed.
- Cardholder partial download bug fixed.
- Remote client connection bugs were fixed.
- Bugs in Time & Attendance Report have been fixed.
- Select button was added to cardholder screen to enter cardholder pictures.

## Release 3.2 SP4

- Bugs related to Global Anti-passback were fixed.

## Release 3.2 SP5

- New card format was added 36-bit CH-16.
- Bugs related to History Archive were fixed.

## Release 3.3 SP1 (22-Sep-04)

- Must have firmware version 74 or higher.
- Verify Memory command removed due to changes in firmware 74.
- Two picture fields and two-signature fields are added in Badging.
- DVR messages and reporting of camera number in DVR messages has been added.
- New format 34-bit Cardkey for reader selection is added.
- History Report bugs has been fixed.
- Database Reports for Holidays and Operator are fixed.
- Modem auto hang-up has been added.
- Cardholder Screen bugs was fixed.
- Two new database reports have been added:
  - Reader Cardholder Report
  - Access Level Report by Card
- Online help has been implemented.
- An 'Add Multiple Cards' utility has been included.
- 'Multiple line text box' has been added to Badge Template.


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- Timer command for High Security has been removed from Code Reader Links.
- Access Point History Events have been removed from the Cardholder History Report.
- Holiday End Date has been added.
- 34-bit AWID format has been added.
- New card formats have been added that combine a card's Facility Code and Card Number to create the new Card Number have been added (26-bit FC+Card, 34-bit NCI FC+Card, & 39-bit KT(XSF) FC+Card).

## Release 3.3 SP1a (6-Oct-04)

- Multi-line barcode was adjusted in the badging module.
- New Weigand card formats have been added: 36-bit ARAS, 37-bit H10304, & 37-bit YVR.
- New Mag Stripe card formats have been added: Golf 37, Hyco 11, Locknetics, & Visacard-DK.

## Release 3.3 SP1b (14-Dec-04)

- Backup bug, backup is not backing up to the correct folder, has been fixed.
- Backup bug, history files are not being backed up, has been fixed.

## Release 3.4 (27-Jun-05)

- Software version 3.4 and lower doesn't work with new panels with blue dot iButton and blue-dot150 Series FW. Contact RBH for assistance if need to add new panels for existing system with Software version 3.4 and lower.
- The screen aesthetics have been changed to make things clearer for the user.
- New report has been added 'Cardholders Department Report'.
- The card search has been enhanced:
  - Card search will now remember last search criteria.
  - Search will now work with wild characters.
  - Records returned from the search are sorted by the search field and include the search field.
  - The search result window is resizable.
  - The search result window has a grid for easy viewing.
- All user fields can now be shown on the badge template.
- User Text Fields have been increased to 100 characters.
- System Messages' bug has been fixed so that all messages are selected and deselected correctly.
- Magnetic Encoder Setup in the Badge tab under System Options has been included in Options for security permissions.
- 'Clear all' command will no longer clear alarms acknowledged by another operator.
- Holiday Report sorting by date has been fixed.
- Alarm History Report now shows all line of instruction and action messages.
- This version has security updates to work with Win XP SP2.
- 37-bit HID Belgium format has been added.
- 36-bit CIS + FAC format has been added.

## Release 3.5 (15-Aug-05)

- PC-100 can be used with this version of the software.
- URC-2000 panels can be used with this version of the software.


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- High memory IRC-2000 panels (5,000 cards extendable to 8,000) can be used with this version of the software.
- EXITRDR module may be added to URC-2000 and/or High memory IRC-2000 panel.
- DVR are supported with this version. Install each different manufacturer separately.

### Release 3.6 (31-Oct-05)

- Elevator control has been added to the system.

## Integra32 R4

### Release 4.0 (15-Mar-06)

- Card formats 30-bit MOT-GPE and 32-bit 1218 MOT have been added.
- Void Card feature has been added to automatically void (make inactive) cards that haven't been used for a specified period of time.
- An output has been added to the Area configuration that turns ON when there are no cards in the area.
- DVR Video can now be popped up on an Alarm Event when configured.
- Alarms are reloaded on logon.
- DCom is no long being used to bridge machines running the Integra32™ software.

### Release 4.0 SP1a (4-May-06)

- AP Activity is now on the toolbar as well as the Tools menu.
- Creating badge templates is now selected under Tools menu.
- Editing Card Custom Fields has been added under Tools menu.
- Panels will not initialize after a partial download. The user must initialize the panel manually if it is needed.
- New events (High Security On/Off) have been added in Access Point Links and Global Links.
- Two new DVRs have been added Panasonic and Camtech.

### Release 4.0 SP1b (1-Jun-06)

- Auto backup has been fixed.
- 28-bit DK format has been added.
- Modem setup has been modified so that leaving non-required fields empty won't cause errors.
- Invalid facility code after all site code has been deleted has been fixed.
- Error caused by removing the last holiday has been fixed.
- The number of site codes that a panel can have has been increased from five to ten.
- Newly created holidays now come up by default as 'Yesterday' (the current day –1).
- Holiday end time default has been changed from midnight to 11:59:59PM, so that by default the holiday isn't ending at the same time as it starts.
- "Euro ATM" format for magnetic stripe cards has been added.

### Release 4.0 SP1c [3.6.3] (9-Jun-06)

- A new PC-100 type (Gardtec) has been added.


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### Release 4.0 SP1d [3.6.4] (19-Jun-06)

- A new function has been added to the Access Point, Repeat Ignore Time. This function requires firmware version IRC110.
- 64-bit RBH card format has been added.

### Release 4.0 SP1e [3.6.6] (8-Nov-06)

- With LClient and the Import utility both running the partial download now downloads.
- Changes made by the Import utility to the expiry dates are now being updated.
- The panel now shows cardholder status changed by the import utility correctly.
- Card formats 35-bit MOT, 34-bit Passpoint, and 34-bit Passpoint_NP have been added.

### Release 4.0 SP2 [3.6.7] (15-Dec-06)

- Card format 40-bit GE has been added.
- A bug caused by 'Alarms' not being cleared on the day they happen has been fixed.

## Integra32 R4.1

### Release 4.1 [3.7.1] (16-Jan-07)

- Cardholder function 'Link Execute Privilege' has been added to provide both a 3-swipe and a 5-swipe link execute command.
- The Integra server now runs as a service and is therefore always running.
  - You are not required to restart the server when you, change/add/delete any network/panel properties.
  - The first user entering the system selects the site that is logged onto. The name of the logged-on site will be displayed on the status bar. Changing sites will require the restarting of the server service.
  - Refresh buttons have been added in Configuration (treeview) to reload changes made (items added) by other operators.
- "High Security On" and "High Security Off" have been added to both local and global links.
- A new network feature has been added: Time Zone Difference.
- Card copy feature has been added.
- Finger Prints can be enrolled for verification.

### Release 4.1 [3.7.2] SP1a (7-Mar-07)

- PC-100 type 'Gardtec' has been renamed to Risco Group.
- TCP Finger Print reader capability has been added.

### Release 4.1 [3.7.2] SP1b (30-Mar-07)

- Import utility can now import data from an SQL database.

### Release 4.1 [3.7.3] SP1c (27-Apr-07)

- Partial download for Risco Group PC-100 has been fixed.
- Keypad links error with inputs and outputs has been fixed.
- A carriage return has been added to end of every ASCII message.
- PC100 links' bug has been fixed.


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## Release 4.1 [3.7.4] SP1d (24-May-07)

- Added card format "32-bit EXI".

## Release 4.1 [3.7.6] SP2 (11-Jul-07)

- Visitor Manager has been added.
- Ignore void card has been added to cardholder.
- Upgrade was causing “Invalid password” error for multiple sites, now fixed.
- 40-bit AWID Automotive format added.
- 34-bit Mifare/SN-NP format added.
- Large number cards can now be added for Touchstar fingerprint device.

## Release 4.1 [3.7.7] SP2a (30-Aug-07)

- Visitor Manager Program improved.
- History causing” invalid user name” from play history, now fixed.
- New option “show summary only” added to TA report.

## Release 4.1 [3.7.8] SP2b (19-Sep-07)

- A new report: cardholder Receipt added in the cardholder screen.

## Release 4.1 [3.7.9] SP2c (26-Nov-07)

- New RBH-NVR (DVR) is added.
- A bug in schedule not updating the schedule lines properly, if a line other than the last is deleted, is fixed.
- Some messages causing overflow error in client, is fixed.
- Integra32 server starts polling now for one site system (no client logon required). For multiple sites, polling will start only when a client is logged on with the site.
- The client is updated to reconnect to the server when server service is restarted.
- Visitor Management module is enhanced and updated.
- Translation for visitor management and finger print modules updated.
- The client crashing, when a value more than 127 was entered in status timer, is fixed.
- Video popup on events feature is added.

## Release 4.1 [3.7.11] SP2d (5-Mar-08)

- Global Deduct Usage implemented.
  - Firmware 113 or higher needed.
- Auto import not running after file not found message is fixed.
- 37-bit HID 03-16F-16C format added.

## Release 4.1 [3.7.12] SP2d1 (13-Mar-08)

- Access granted messages stop showing in event log window-bug fixed.
- The error: “subscript out of range” in client when cards are loaded in card monitor and a card is added and deleted.
- Deleting an Area and adding it back causing an error “Row cannot be located for updating” in editing the Access point where the Area was assigned was fixed.

## Release 4.1 [3.7.13] SP2e (25-Apr-08)

- Server Program was changed to log on proper errors when server crashed instead of logging in default language.


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- TA report not exporting the totals for the period-bug fixed.
- 37-bit Securatas format added.

## Release 4.1 [3.7.15] SP3 (11-Jun-08)

- IP camera option is added for badge pictures in both cardholder and visitor module.
- Bioscrypt Fingerprint Reader (V-Pass FX) added.
- The bug related to the Schedule not saving properly when time zone is removed from one of the middle lines is fixed.
- The message for saving schedule is now changed whether to download and initialize the panel. The schedule would be saved even if “no” is selected.
- The bug related to the system option that doesn’t allow the camera device to be changed is now fixed.

## Release 4.1 [3.7.16] SP3 (03-Jul-08)

- A message is added to initialize the panel, wherever required.
- Visitor name is now displayed in log for visitor card.
- Keypad Pin codes are now displayed as *.
- Operator commands sent are now logged in event log as well as in the history reports.
- The history report, not pulling the list of Access points for some user since site was being set to 0 in some cases, is fixed.

## Release 4.1 [3.7.17] SP3a (04-Aug-08)

- The message for deleting schedule is now added whether to download and initialize the panel. The schedule would be deleted even if “no” is selected, but won’t be downloaded.
- Changing card format doesn’t require full download anymore.
- Missing language translation was added.
- Status window columns are no more allowed to reorder since it was crashing the Integra application on some machines.
- Adding a new card and removing at the same time was giving an error is now fixed.
- Firewall exceptions were added for Windows XP-SP3.

## Release 4.1 [3.7.18] SP3b (20-Nov-08)

- A few changes were made to improve the server communication when client is removed from network without logging off and/or import utility is closed.
- Dutch translation updated.
- Digiop DVR integration added.
- DSC Alarm panel integration added.
- Import utility has been changed to check for unique fields other than card number.
- Server communication changed so that it does not retry polls. If no response is received from a panel for poll the next panel is polled. Commands are still retried.
- Editing cardholder with 10-digit card number causing overflow error in DVR is fixed.
- Logging off from client the error "active x control can't create object" coming from “DVRInterface_terminate” is fixed.

## Release 4.1 [3.7.19] SP4 (20-Feb-09)

- Forced entry and Restore events were not included in the events loaded, when playback is called from access points, is fixed.


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- 54-bit ARAS HID format added.
- DSC Keypad status causing type mismatch is fixed.
- 37-bit HID 1619 format added.
- In TA history report, first in and last out calculation option has been added.
- URC-2000 outputs have been defaulted to be same as IRC-2000.
- 33-bit DSX format is added.

### Release 4.1 [3.7.20] SP4 (02-Mar-09)

- Run time error 430 in running the History report from some of the client machines is fixed.
- Visitor 'Check In' will now activate the card if it is not already active, and Visitor 'Check Out' will deactivate the card.

### Release 4.1 [3.7.21] SP4a (09-Mar-09) {Not released}

- Search by Card type showed wrong column headings when the list is loaded, now fixed.

### Release 4.1 [3.7.22] SP4b (27-Apr-09) {Not released}

- 'Cardholder Simple Report' report has been added to History Reports.
- 'Access Granted RTE' has been added to the database report for Access Point links.
- 'Access Granted RTE' can now trigger alarms.
- 'Access Granted RTE' can now be assigned links.
- 'Access Granted RTE' can now be assigned to Global links.

### Release 4.1 [3.7.23] SP4c {Not released}

- Invalid dates caused over flow errors in Backup history date calculation, now fixed.
- Partial download has been improved.
- Web Client has been added.

### Release 4.1 [3.7.23] SP4d (25-Jun-09)

- Integra Server changed to improve polling when some panels go offline.

### Release 4.1 [3.7.24] SP4e (27-Jul-09)

- HID 30-bit format added.
- A bug related to Alarm sound was fixed.

### Release 4.1 [3.7.25] SP5 (13-Aug-09)

- New system option has been added to group cards of the same cardholder.

## Integra32 R4.2

### Release 4.2 [3.8.1] (10-Sep-09)

- Installation includes release 4.1 SP5 (service pack doesn't have to be installed separately).

### Release 4.2 [3.8.1] SP1 (8-Oct-09)

- TA report adjusted for better export to Excel.
- Event log viewer's Access Granted and Access Denied messages no longer show extra text.
- Card holder's picture is now being displayed in the activities window.
- All events are now sent to DVR window.


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- Panasonic NVR has been added.

### Release 4.2 [3.8.2] SP1a (21-Oct-09)

- Changed upgrade to delete duplicate records from *.ahb files.
- Card and area status report was not printing because the default printer was not set when application started. It has been corrected.
- Card and area reports have been modified as well.

### Release 4.2 [3.8.2] SP1b (27-Oct-09)

- Changed server to allow networks higher than 32.

### Release 4.2 [3.8.3] SP2 (13-Jan-10)

- New magnetic stripe format added - Paxton 8.
- Duplex printing option is settable per client.

### Release 4.2 [3.8.4] SP2a (9-Mar-10)

- 30-bit, 28-bit CH' format added.

### Release 4.2 [3.8.5] SP2b (11-Mar-10)

- Changed server to do Timed APB for Groupcard option when area APB fails.
- Mag format SA-DK-8 added.

### Release 4.2 [3.8.6] SP3 (8-Apr-10)

- Installation now configures Windows Firewall in Vista and Windows 7.
- Service packs don't have to be installed separately; the latest updates are included with this installation.

### Release 4.2 [3.8.7] SP3a (19-May-10)

- The bug related to full download in Elevator panel is fixed.

### Release 4.2 [3.8.8] SP3b (14-June-10)

- New Mag format "AAT ABA 14" added.

### Release 4.2 [3.8.9] SP3c (14-Sept-10)

- User defined interval added for area check in system options (default is 60 seconds).
- Added entering/Exit area fields for Elevators.
- Bug fixed in visitor form where it was allowing entering visitor card without being in edit mode, and therefore creating problem in checking out the visitor.
- New 64-bit alphapass format added.

### Release 4.2 [3.8.10] SP4 (11-Nov-10)

- Added new card format 39-bit UAE.
- Added global link command "Clear Area".

### Release 4.2 [3.8.10] SP4a (15-Nov-10)

- BFR-200 integration added. (Required BFR integration package dated 11/18/2011)

### Release 4.2 [3.8.11] SP5 (09-Mar-11)

- Cardholder firstname+lastname, if greater than 50 characters, and visitor checked out, caused an error, was fixed.


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- Language translation updated for BFR integration.
- A few changes were done to improve BFR enrolment (required BFR package 3.8.11SP5). Changes were:
  - Disable fingerprint verification during enrolment.
  - Allow card option to be saved without enrolling a finger.
  - Hide verification strength field in configuration window.
  - Bypass fingerprint verification during enrolment, if BFR enrolment unit is not initialized, and can still save as card.

### Release 4.2 [3.8.12] SP6 (04-Apr-11)

- New CD with SP6 was done to install message server as service to allow emailing events.

### Release 4.2 [3.8.14] SP7 (9-Jun-11)

- BFR fingerprint enrolment was enhanced to resolve custom format issue (New BFR Firmware and BFR integration package required).
- Sagem fingerprint integration added (required Sagem integration package).
- Resolved conflict with single Letter currency symbols in regional settings.
- 32-bit Intercon\ADT format added.

### Release 4.2 [3.8.15] SP8 (28-Jun-11)

- Installation of IntegraMessageServer is included in this service pack.
- Email system settings are now saved in database instead per workstation.

### Release 4.2 [3.8.16] SP9 (22-July-11)

- Card format 37-bit H10302 is added.
- Camtech DVR SDK V2.4 is implemented.

### Release 4.2 [3.8.17] SP10 (17-Oct-11)

- Magstripe card format TankPass37-NL added.
- Wiegand HID 56-bit format added.
- Dutch translation updated.
- Copy feature in cards will copy the fingerprint as well. A full download on fingerprint reader would be required after copying for fingerprint to work for copied card.

### Release 4.2 [3.8.18] SP11 (09-Nov-11)

- New feature in Global Anti-passback based on Area Type Master and/or Slave, added.

### Release 4.2 [3.8.19] SP12 (28-Feb-12)

- Access point report now shows the cardholder's name for card reads.
- Visitors' user fields changed description wasn't loading in Visitor form, fixed.
- Minimum Network timeout 50ms is now allowed.
- Spanish Translation is updated.
- Display more button link is enabled on main client window.

### Release 4.2 [3.8.20] SP13 (05-April-12)

- Visitor employee report for specific employees did not work, only worked for all employees, bug fixed.
- New option *Remove cards not found in Import file* added for card import module.


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## Release 4.2 [3.8.21] SP14 (12-June-12)

- Global Antipassback by Area Type function updated (License required).
- Global Antipassback by Grouping Cards function updated (License required).
- Server updated to log history archive messages with folder names.

## Release 4.2 [3.8.22] SP15 (16-July-12)

- Card Status database was getting cleared with upgrade, bug fixed.
- Long card names were not showing in "first in last out" TA report, bug fixed.
- Option added to send events to DVR servers as XML format.

## Release 4.2 [3.8.23] SP16 (05-Oct-12)

- This version and higher are Windows 8 compatible.
- RBH-EMB-112 DVR integration added.
- 3xLogic VIGIL 7 DVR integration added.
- Samsung NVR integration added.
- Danish Language translation updated.
- 26-bit - 24-bit Card format added.

## Release 4.2 [3.8.24] SP17 (17-Jan-2013)

- ASCII messages are now sent in the default language on server, which is saved in registry when client logs on in its language.
- Panel type (IRC/URC) is now reported when requesting panel version.

## Release 4.2 [3.8.25] SP18 (05-April-2013)

- 56-bits Mifare with 32 CH Card format added.
- 64-bit PIV Card format added.
- 66-bit Guardall Card format added.
- Wrongly logged message *ExecuteDVRmessage: overflow (6) Line: 0* in Integra error log, is fixed.

## Release 4.2 [3.8.26] SP19 (15-May-2013)

- Card Area Report printed on triggering an Alarm, format change to sort by Area, Department, last name and first name.
- Email notification can be sent on input messages as well now.

## Release 4.2 [3.8.27] SP20 (29-May-2013)

- Pemex Mag-stripe format added.

## Release 4.2 [3.8.28] SP21 (07-June-2013)

- Card Security added as a module in operators.
- Signature form color issue fixed for windows 7 theme.
- Badging Fields' labels on cardholder screen are changed to match with badging template fields.
- Badge printer setup was not returning selected printer, now fixed.

## Release 4.2 [3.8.29] SP22 (18-June-2013)

- 37-bit HID 1219 NP card format added.


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### Release 4.2 [3.8.30] SP23 (02-Aug-2013)

- Card properties' Security added as a module in operators.
  **NOTE: The operator needs to have Read and Write access to Cardholder module to restrict access to Card and Card Properties modules. Read only/No Access to any of the two modules Card and/or Card Properties will restrict the operator to delete cards and/or cardholders.**
- Card Status History report modified to show total count in various Areas and count of cardholders from each Department within the Areas.
- Modem network is not supported starting from this version. For existing modem-network users, call tech support if upgrading.

### Release 4.2 [3.8.31] SP24 (10-Jan-2014)

- New option to print each cardholder on a new page is added for Time & Attendance Report.
- Visitor name now shows in visitor monitor for a visitor card instead of cardholder name.
- Integra Message Server is modified to handle errors for a multi-site system.

### Release 4.2 [3.8.32] SP25 (03-Feb-2014)

- Description of initializing the panel on right click command is changed from Reset to Initialize.
- Firmware version now displays the complete number (156 instead of 15.6).
- Now display Firmware version for URC Mag-stripe panels.
- Server application changed to reduce delay in sending package for full/partial download.
- Firmware version for PC100 now displays PC100 instead of IRC as panel.
- Three new Mag Stripe versions are added:
  - KNLTB Personel ID
  - KNLTB Clud ID
  - KNLTB Year ID
- Email notification is now optional, available by license only.

### Release 4.2 [3.8.33] SP26 (03-Apr-2014)

- Send email on alarm was sending email all the time even outside of alarm schedule, bug fixed.
- Pending cards' activation partial download issues resolved.
- 31-bit HID card format added.

### Release 4.2 [3.8.34] SP27 (02-June-2014)

- Unlock schedule for Elevator floor group issues resolved (Requires URC-Elv FW version 155).
- "All Reader" option added to global links for lockdown option.

## Integra32 R4.3

### Release 4.3 [4.1.3] (09-Oct-2014)

- A new CD based on .net framework 4.5 platform released.
- Upgrade from Release 4.2 to 4.3 is available as Integra32_R4.3_V4.1.3_SP1 package, which requires .NET Framework 4.5 installation as prerequisite if it is not already part of the operating system.


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### Release 4.3 [4.1.4] SP2 (07-Nov-2014)

- 9-Word Mag card format added.
- Added new Panel type UNC-100.
- Integra import now allows to run every minute.
- French language translation updated.
- 35-bit Farpoint card format added.

### Release 4.3 [4.1.5] SP3 (19-Mar-2015)

- 35-bit Farpoint card format updated.
- Link for Device discovery program added under 'Tools' menu.
- Double sided printer properties handled for card badging by displaying proper message.
- Increased wait time during download for better communication of Integra panels.

### Release 4.3 [4.1.6] SP4 (30 Jul-2015)

- Digital watchdog DVR integration added.

### Release 4.3 [4.1.7] SP5 (22 Sep-2015)

- Added Xyclop DVR integration.
- Changed Client to allow camera numbers up to 999 for AP, IP, and OP.

### Release 4.3 [4.1.8] SP6 (2 June-2016)

- Card Area Status Report from status window now prints date for card status as well.
- Cardholder badges printing background in some scenarios, issue resolved.
- Card status report printing wrong time when a card is reset, issue resolved.
- New panel type UNC-100-IOC8 added. (UNC-100 FW 155 required).
- 32-bit NCI card format added.

### Release 4.3 [4.1.9] SP7 (29 July-2016)

- IRC-2000 Reader B side not working properly – bug in version 4.1.8 only, is fixed.
- Partial download intermittent issues with UNC-100, resolved.
- Card format 42-bit 2Crypt added.

### Release 4.3 [4.1.10] SP8 (18 Nov-2016)

- History Reports not showing some data with older dates, issue resolved.
- Version command added for IOC8 panels.
- IOC8 communication improved.
- IOC8 temper messages added.
- Yellow can URC panel having issues after adding IOC8 in system are resolved.
- Extended Time and Attendance report added as per specific requirements of a user.

### Release 4.3 [4.1.11] SP9 (22 Dec-2016)

- Card format 41-bit PX 18W added.

### Release 4.3 [4.1.12] SP10 (9 March-2017)

- Card format 56-bit Mifare with 32CH LSB added.
- Renamed Card format 56-bit Mifare with 32CH to 56-bit Mifare with 32CH MSB.
- Delay in editing and deleting cardholders resolved. These issues were in version 4.1.9 to 4.1.11 only.


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### Release 4.3 [4.1.13] SP11 (29 May-2017)

- Card format 26-bit FC+ Card NP added.
- RBHView CCTV integration added.
- Battery Test schedule for UNC panels added.

### Release 4.3 [4.1.14] SP12 (28 July-2017)

- New base version - 4.1.14 Release 4.3 with the following improvements:
  - For First network IP 192.168.168.125 added to match the default IP of UNC-100.
  - Panel 1 by default is now added as UNC100.
  - Virtualization issue is resolved.
  - Upgrade now running automatically after installation.

### Release 4.3 [4.1.16] SP14 (11 Sept-2017)

- Card format 35-bit XCEEDID added.
- Windows controls updated for all the screens in Integra32TM software

## Integra32 R5.0

### Release 5.0 [5.1.1] (Jan 3-2019)

- New CD released with registration and licensing.
- Updated User Interface.
- Database window is now available by clicking Setup on Database menu.
- Events window is moved up and Status window is moved down in Release 5.0.
- New Blueline formats added:
  - 34-bit BLW 32
  - 64-bit BLO 32 LSB
  - 64-bit BLO 32 MSB
  - 66-bit BLW 32 LSB
  - 66-bit BLW 32 MSB
- Morpho BioBridge Enrolment integration added.

### Release 5.0 [5.1.2] SP2 (April 18-2019)

- The bug, not able to add new sites in 5.1.1R5.0, is fixed.
- Server is updated to log in more information.
- Milestone SDK version 2018R3 CCTV integration added.

### Release 5.0 [5.1.3] SP3 (June 19-2019)

- Vivotek-V2 camera type is added in the list of IP cameras in system options.
- 37-bit HID 28 NP card format added.
- Server communication improved to connect/disconnect networks faster.

### Release 5.0 [5.1.3] SP3a (July 15-2019)

- When R5 upgrade ran twice, log in giving * installation corrupted*, issue is fixed.

### Release 5.0 [5.1.4] SP4 (Sept 18-2019)

- Hikvision CCTV integration added.
- Pelco Xpert CCTV integration added.
- JSON import type added.


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- Dutch translation updated.

### Release 5.0 [5.1.5] SP5 (Jan 10-2020)

- New CD Version 5.1.5R5.0 is also released with updated License validations.
- This upgrade is valid for R5 installation only, contact sales if you have R4 system.
- BFR fingerprint integration updated.
- Updated Registration/Activation wizard.
- Upgrade checks if valid maintenance is available.
- Upgrade doesn't run in trial license.
- Upgrade is prevented from running again if target version is same.

### Release 5.0 [5.1.6] SP6 (Aug 19-2020)

- Integrated NVRs weren't showing properly in Help>about, issue fixed.

### Release 5.0 [5.1.7] SP7 (Nov 18-2020)

- New card format 47-bit NP 17-24 (F-C) added.

### Release 5.0 [5.1.8] SP8 (Nov 18-2020)

- Card format 47-bit NP 17-24 (F-C) modified to resolve facility code issue.

### Release 5.0 [5.1.9] SP9 (Mar 07-2022)

- Network Optix NVR integration added.
- Hanwah Wisenet Wave NVR integration added.

### Release 5.0 [5.1.10] SP10 (May 16-2022)

- Codemeter updated to version 7.40b
- Registration wizard now includes all the countries missing earlier in drop down list.

### Release 5.0 [5.1.11] SP11 (July 15-2022)

- Server-Client communication improved to:
  - Resolve client connection issues resulting in the Integra server appearing to freeze/going offline/crash.
  - Client connection improved not only for desktop client, but also for web client and/or mobile client.
- Code meter upgrade to 7.40b in previous version adding server search as 255.255.255.255, issue resolved.
- Event viewer displaying server online, when actually offline, bug fixed.
- Status of devices not updating to unknown, when server goes offline, issue resolved.

### New CD Version 5.1.10R5.0

- Dated 03172023 is released with updated License Container not to break with virtual machine's system configuration changes.

### Release 5.0 [5.1.12] SP12 (Mar 22-2023)

- License container updated.

### Release 5.0 [5.1.13] SP13 (Oct 16-2023)

- Resolved an issue that could allow importing of more credentials than the system supports.


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- Updated Time & Attendance Report.
- Updated EULA.

## Release 5.0 [5.1.14] SP14 (Dec 08-2023)

- Improved the scheduling ability of the Card Import utility.
- Corrected an issue where the License Container ID would be imported incorrectly during installation.
- Modification to the Time and Attendance Report to include additional fields.
- Updates to language in the Registration and Activation wizard.

## Release 5.0 [5.1.14] SP14b (Mar 01-2024)

- Added CodeMeter Version 8.0 to update package.
- Resolved an issue where the update would not run if CodeMeter was updated to Version 8 separately.
- Updated the default installation path to the local machine instead of Server location.

## Release 5.0 [5.1.15] SP15 (Aug 14-2024)

- New format added – HID Corporate 1000 48-bit



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