SPC42xx43xx52xx53xx63xx_V3.6.6 19.5.2015 Updates since: SPC42xx43xx52xx53xx63xx_V3.6.5	Feature type (related languages)

CONTENT

SPC42xx43xx52xx53xx63xx_V3.6.6 19.5.2015 Updates since: SPC42xx43xx52xx53xx63xx_V3.6.5	Feature type (related languages)
Default Change The default password for SPC system has been changed to “password”, this change will affect all variants.	Change All
Engineer pin The system will now require that the engineer pin be changed before exiting engineer mode. This will be required for grade 2 and grade 3 or equivalent installations.	Change All
Walk test operation The duration allowed between activation of zones during walk test has been increased to 10 minutes.	Change All
Web browser – Security The SPC embedded web browser will now use TLS 1.2 as a replacement for SSL V3.	Change All
Language support The Portuguese language has been added to the SPC language files and can now be selected in pfw file included in this release.	Change All
Wireless missing In certain circumstances a wireless zone may report lost when the system restarted. This has been addressed	Change All
Keypad volume – Partset During a timed partset the system was using incorrect volume for the indication of setting.	Change All
Auto arm Auto arm can now be cancelled at any time before the auto arm if the user has sufficient rights.	Change All
Alarm Abort Alarm abort will now be sent if system is unset from App or web page.	Change All
FlexC The auto encryption mode has been changed so that the key will change on first initial connection. A new encryption mode has been added to update the key periodically.	Change All
FlexC Analogue communications using FlexC where not sending the correct SIA descriptions and incorrect parameters in CID.	Fix All

SPC42xx43xx52xx53xx63xx_V3.6.5	27.11.2013	Updates since: SPC42xx43xx52xx53xx63xx_V3.5.0	Feature type (related languages)
DHCP: Renew An issue has been resolved on DHCP renewal of IP address.			CHANGE All
WEB interface: Modernised design The WEB page layout has been modernised. • Vertical / Horizontal navigation menu for better navigation • Toggle button “Full / Soft Engineer” always available in header In this context also a few tabs have been added or changed, e.g: • Configuration/Outputs: Summary of all outputs configured in the system (incl. Mapping Gates) • Communications/FlexC: Contains new FlexC configuration • Communication/Reporting: Contains existing EDP and analog ARC configuration • Communication/Tools: Contains now configuration for SPC Pro/Safe, SPC Manager and SPC RM.			CHANGE All
WEB interface: Extended User Status information page Additional functionality has been added to the WEB interface “SPC Home” page: “**System Summary**” tab: • **System overview:** The systems summary page provides an overview of the system • **Force Set:** User will now be able to force set from the web interface, this will only appear is the user has the right and a force is required. • **Auto arm control** User will now be able to delay and cancel delay of auto arming from the web interface • **More Details in “+” field:** A user will now be able to view more detail on why an area cannot set. This will also show a more detailed view of the areas options. • **Information Field:** The field will now contain all information that would have been displayed in the idle state of the keypad. This includes “Manufacture access”, “Engineer access”, “Engineer on site”, “Soak zones”, “RF jamming”, “Low batteries”, “Camera offline”, “Over current”, “Charge fail”, “Ethernet link” • **Bypass display:** This field will display all zones or alerts inhibited, isolated or soaked • **Latch controls:** additional options added to allow the control of the smoke ,glass break and latch outputs from the web page “Alarms” tab • **Display restoral information:** The restore option is greyed out when not possible and the help text will inform the user as to why restore is not possible. • **Pre- / Post alarm verification pictures:** The pre/post event pictures are displayed for every verification zone triggered in this area. • **Silence Bells:** The bells can be silenced after an alarm. • **Other additional area information / options**: The following information / option is provided for every area that is in alarm: - Set State (allows area/system to be Unset – not set) - Alarm State (Alarm, Confirmed Alarm etc)			NEW All

- List on Zones in Alarm (ordered by activation)
- Alarm Log for the Area (20 Events Max)

FlexC for secure and flexible multi-path reporting

NEW
All

Support of FlexC communication concept for secure and flexible multi-path reporting. Additional options have been added to the Communication Options on WEB interface for FlexC configuration:

FlexC ATS:

- **Up to 10 ATS**'s (Alarm Transmission Systems) per panel. The ATS describes the sequence of main ATP and backup ATP's (reporting strategy) used to report events to an alarm organisation.

- **Up to 10 ATP**'s (Alarm Transmission Paths) per ATS (max 30 ATP's per SPC panel). The ATP describes the communication protocol (FlexC, SIA, Contact ID), transportation path (Ethernet, GPRS, GSM, PSTN), pre-defined polling timers / test call timers / time outs for different security levels (as defined in EN50136:2012 for various security grades), Receiver destination (URL / IP address, Tel Number), etc.

  FlexC allows to mix following communication protocols / paths to transmit events from SPC Panel to a Receiver.

	Ethernet	GPRS	GSM	PSTN
FlexC			via ISP**	via ISP**
Audio Events	Live , Pre/Post	Pre/Post *	Pre/Post *	Pre/Post *
Video events	Live , Pre/Post	Pre/Post *	Pre/Post *	Pre/Post *
SIA				
Contact ID				

* Limited bandwidth of transmission media leads to longer time needed to transmit Pre / Post Events and transmission and avoids transmission of Live Events.
** Connection via PPP to Internet Service Provider (Important service needs to be verified with the selected local ISP)

  The following pre-defined timings can be selected for an ATP:

- **Import / Export** of communication settings, e.g. specific ARC setup with protocols, com paths, supervision timings, destinations, event profiles, command profiles.

Event Filter:

- **Up to 20 Event Profiles** to define the events which shall be reported resp. not reported via an ATP.
- An Event Profile contains 21 **Event Filter Groups** which can be enabled / disabled (e.g alarms, tampers, restores, settings, inhibits & isolates, …)
- **Up to 100 definable exceptions** within the system are configurable to define exceptions for Event Filter groups.
  - Stop specific events (e.g. all code tampers)
  - Pass specific events (e.g. pass only Medical Alarm)

- Convert specific event (eg. remap tech zone to specific zone nb)

Command Filter:

- Up to 10 Command Profiles to define which commands are accepted by the SPC panel coming via a ATS or ATP.
- The commands accepted by SPC panel are matched with the user rights stored in SPC for the specific remote system / operator.

Notes:

- The existing communication setups (EDP, Analogue ARC) are still available. Same configuration and features apply as with previous firmware revisions.
- An EDP connection can run in parallel with FlexC connection, but can't be used as part of the FlexC communication concept.
- FlexC Event Filters cannot be used in context with EDP.

For more information please refer to the SPC Configuration Manual.

Selectable event types for Wireless Remote Control and WPA

NEW
All

Additional selections have been added to the "Wireless Options" to define the event type created when pressing Function Buttons (red, green, yellow) resp. Panic Button (SOS) on wireless devices:

- Extended "Function Buttons" drop down menu options for the Wireless Personal Alarm device PAW8-10 (in WPA tab) :
  - NEW: Medical, Panic (Silent), RF User Output
  - Existing: Panic, Holdup, Suspicion, None

- Extended "RF FOB Panic" drop down menu option for the Wireless Remote Control, e.g. IPAW6-10 or IRCW6-11 (in Wireless Settings):
  - NEW: User Medic, User Holdup, RF Output
  - Existing: Enabled, Enabled (Silent), Disable

  Note: All Remote Controls will have this global option.

Verification Changes

CHANGE
All

Increased Number of Audio Verification zones for SPC5000/6000

The number of audio verification zones have been increased to following limits:

System	Verification Zones	IP Cameras	Audio Expanders
SPC4000	4 (no change)	4 (no change)	4 (no change)
SPC5000	8 → 16	4 (no change)	8 → 16
SPC6000	16 → 32	4 (no change)	16 → 32

Triggering of A/V events with Keypads and additional Zone events

Events from keypad and additional zone events can now triggering any of available audio / video alarm verification zone in the system:
Additional zone types supporting A/V verification:
Fire
Medical
Holdup
Tech
The verification zone will now be selectable from the keypad. This will trigger A/V verification after following keypad events (if configured for the keypad).
Fire

Medical Duress Panic	
Preventing indication of silent alarms to user Two new System Timer options have been added in order to prevent indication of silent alarms to a user on the keypad for a limited time. • **"Duress Silent"**: Time where Duress Alarm will remain invisible on the keypad after any user login and cannot be restored via keypad during a specified time window [0 – 999 minutes]. Timer will restart after re-entering Duress Code. • **"Holdup / Panic Silent"**: Time where Holdup and Silent Panic alarms remain invisible on the keypad after any user login and cannot be restored via keypad during a specified time window [0 – 999 minutes].	NEW All
Hide bypass messages on keypad display A new System Option has been added to suppress bypass messages on the keypad display. • **"Hide bypass"**: When ticked the bypass messages (isolate/inhibit/soak) will no longer be displayed on keypad.	NEW All
Remote setting with Exit Timer (via EDP) It's now possible to remotely set the areas with Exit Timer. A new binary command has been added to EDP.	NEW All
Contact ID code for "Alarm Abort" messages has changed to "406" The SPC panel is now sending Contact ID code "406" for Alarm Abort messages. Previously it was sending code "150".	CHANGE All
Cancel "Delayed Unset" timer via Cause & Effect A new action has been added to Area Trigger options drop down menu: • **Cancel Delayed Unset**: If this action is selected for the area trigger option then the trigger will stop a running "Delay Unset" timer in this area.	NEW All
Bypassing of doors / Opening doors in case of Fire New attribute has been added to the Door Settings Options (per door): • **Bypass Alarm:** When ticked then access is allowed if area is set / part set and door is alarm or entry zone type. - If "Alarm" Zone type: When opening the door no alarm is created until "Door Open" Timer has expired. - If "Entry/Exit" Zone type: When opening the door no alarm is created until "Door Open" Timer and Area "Entry" Timer has expired. • **Emergency**: If ticked then a Fire alarm unlocks the doors in the area the fire occurs. Only doors in the "Fire Exit Route" (in Area Option) will open. • **Emergency any**: If ticked then a Fire alarm unlocks the doors in any area. Only doors in the "Fire Exit Route" (in Area Option) will open.	NEW All

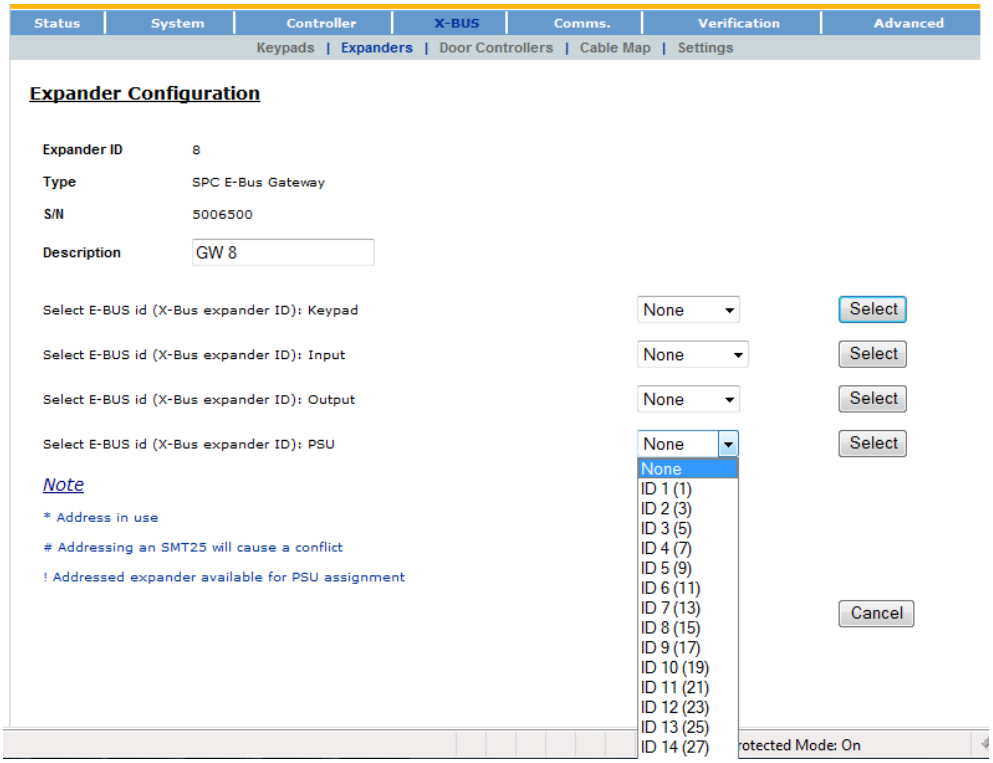
The emergency route can now also be defined by the area in order to detail which doors should open in event of a Fire in that area.	
4-PIN and 5-PIN digits supported for SPC Manager New Modes have been added to the SPC Manager drop down options in Communications Settings for PC Tools: • **Mode 41:** If selected then 4-digit PIN's are used for local and global users in the system. • **Mode 51**: If selected then 5-digit PIN's are used for local and global users in the system. Note: The new options behave the same as the already available Mode 61 (6-digit PIN), Mode 71 (7-digit PIN) and Mode 81 (8-digit PIN).	NEW All
Indication of Autonomy Time of SPC Controller after Mains Power Loss New options have been added to the General Setting section in System Options to enter relevant values to calculate the theoretical remaining battery autonomy time to run the **SPC Controller** after a mains power loss. • **Battery Capacity**: Enter value of total Batteries capacity (in Ah) available in SPC Panel. • **Max Current**: Enter value for total current draw (in mA) from batteries in SPC Panel when mains fail occurs. In case of a mains power loss the user can view the remaining autonomy time in the keypad User Menu (Battery Status). Note: • The indicated time is a theoretical value and is only displayed on the keypad. This will only display when the SPC Panel is operating on battery only. • The time displayed will always display 20% less than calculated capacity. • For the calculation it's assumed that batteries have been fully charged, are in a good working condition (eg. not aged) and are cut off when voltage falls below 11.8VDC.	NEW All
Entry Procedure according to BS8243 When selecting the Security Grade "PD6662" the system behaviour has been changed for Alarm Zones off the Entry Route while entry is active (according to British Standard BS8243:2010 Clause 6.4.5.) • Reporting will be delayed for 30s and until entry has expired - If a second zone opens it will also be delayed by the below rules. - If the entry timer has expired and the second zone opens then the delay is cancelled and reports immediately. • If alarm condition exists before entry starts then if a zone off entry route is opened. • The delay for reporting if entry time remaining is less than the delay the delay will be used if entry time remaining is greater than delay the entry time remaining will be used.	CHANGE All
Confirmed Holdup according to BS8243 The system now supports confirmed Panic / Holdup alarm as per British Standard BS8243:2010, Clause 7.3.2 "Designation of hold-up alarm (HUA)	NEW All

signals for sequential confirmation". A confirmed holdup is created with following activations: • Two hold up zones (must be separate) • A hold up device and hold up zone • A panic zone and a hold up zone • A tamper and a hold up / panic in any order (this will include X-Bus and system tampers). A New System Timer has been added to support this function: • "**Confirmed Holdup**": Maximum time (30-60 min) between alarms from two different non-overlapping zones that will cause a Confirmed Holdup alarm. A new Output Type "Confirmed Holdup" has been added to Output Options to signal this event. Notes: • When a confirmed hold up occurs, no additional bells or buzzers will trigger. This is a reporting only feature; if configured the event is transmitted over SIA (HV), CID (129) and FlexC. There will be no delay in the reporting of confirmed hold up. This is for consistency as there is no delay in reporting panics/hold ups. • A confirmed hold up can be restored by restoring the zone or system alert which caused the confirmed hold up. A confirmed hold up will not require an engineer restore even if Engineer restore is enabled. • There is a filter required for confirmed hold up of 120s therefore a second activation within 120s will not cause a confirmed alarm. This is non configurable. • The time for confirmation will be 8 to 20 hours if this time expires the system will attempt to reinstate the hold up/panic zones (it will not reinstate WPA,RPA or system alerts).	
Additional Output Types selectable for SPCN910 Communication Interface The following additional output types can be selected to signal events via the SPCN910 SPC communication interface module (connected to Dualcom / Redcare transmitters) : • Mains Failure • Battery Failure • Part A/Part B • Fail to Set • Ready to Set • Pin Tamper • Engineer on site	NEW All
Change License Key via Keypad A new option "License" has been added to Keypad Menu "Utilities" to allow the Engineer to change license key directly via Keypad without use of the WEB interface or SPC Pro.	NEW All
Reset of Setting Prefix after unfinished setting attempt via Card Reader The setting prefix will now reset after 15 seconds if not followed by a PIN	CHANGE All

and/or Card so the next user will not get an error.	
WEB interface: Generate PIN codes It's now possible to generate a PIN code via WEB interface.	CHANGE All
System Ready to Set output The system will now disable its ready to set output if any area is not ready to set. Previously it only followed status of area 1.	CHANGE All
Recent introduced EOL resistor value combinations adapted In SPC FW version 3.4.1 new EOL resistor combinations have been introduced to support migration of specific 3rd party panels to SPC. Some of them were wrongly specified and are now corrected un this version: • DUAL_1k5_2k2 = Quiescent EOL of 2k2 and Alarm resistor of 1k5 (was "DUAL_2k2_1k5" with quiescent EOL of 1k5) • DUAL_1k0_2k2 = Quiescent EOL of 2K2 and Alarm resistor of 1.0k (was "DUAL_2k2_1k0" with quiescent EOL of 1k0)	CHANGE All
Improved support of 3rd party Sony camera firmware's The alarm verification feature didn't work anymore with recent firmware releases for Sony cameras due to extended response header from the camera. The SPC has been improved to support this header.	CORRECTION All
Fix for web passwords Added support for special characters in web passwords	CHANGE All
GSM Modem fault timer A new timer has been added to delay modem faults for installations which experience unreliable gsm communications	NEW All
END	

SPC42xx43xx52xx53xx63xx_V3.5 27.11.2013 Updates since: SPC42xx43xx52xx53xx63xx_V3.4.5	Feature type (related languages)
New expander type: SPC E-Bus Gateway To migrate an existing Sintony installation to an SPC installation, it is not necessary to remove the Sintony installation in its entirety. Depending on the components of the Sintony installation many Sintony peripherals can remain in place on the Sintony E-Bus. The SPCG310 E-Bus Gateway provides an interface between SPC X-Bus and Sintony E-Bus. The gateway enables the SPC controller to recognize Sintony peripheral devices by simulating the E-Bus devices so they appear to the SPC controller as X-Bus devices. For this a new Device Type “E-Bus Gateway” has been added to Hardware X-Bus Expander Configuration to allow the recognition and configuration when addressed to addressed to the X-BUS. Note: • The SPC E-Bus Gateway expander type is visible in the SPC Web Browser and SPC Pro • All SPC E-Bus Gateway expanders have an associated virtual Serial Number For further information please consult according product information of SPCG310 E-Bus gateway (e.g. White Paper).	NEW All
Addressing & re-addressing of Sintony peripheral devices Support for addressing & re-addressing of the following Sintony peripheral device address IDs has been added:	NEW All

I/O Transponders	SAT12/SMT12	Transponder (4xI, 2xO)
	SMT22	Transponder (2xI, 2xO)
	SAT24/SMT24	Transponder (4xI, 2xO), flush mount
	SMT44	Transponder (8xO)
Keypads*	SAK41	LCD Keypad
	SAK51	LCD Keypad
	SAK53	LCD Keypad
PSUs	SAP08	Power Supply
	SAP14 SAP14 NF SAP14 SCA	Power Supply
	SAP20 SAP20 NF SAP20 SCA	Power Supply
	SAP25	Power Supply
Other	SAR11/SMR11	E-Bus isolator/repeater



The address ID of all Sintony peripheral devices on the system can be reviewed and changed if necessary from this page.

- ⇒ An address ID is selected
- ⇒ If the address is not in use the following message will appear "**Address in progress... Reconfiguration of Xbus will be required**"
- ⇒ The SPC E-Bus Gateway transmits the address which must be accepted by the Sintony peripheral device
- ⇒ If the address is in use the following message will appear "**In use, not allowed**" and an alternative address must be selected.

One of three symbols is presented beside an address ID that is either already in use or has an association.

- ⇒ * Address in use.
- ⇒ # Addressing an SMP25 will cause a conflict
- ⇒ ! Addressed expander available for PSU assignment

END