



# New HW / SW / Docs Updates

Revision 051030

This document logs the last 12 months updates to Softcon Hardware (HW), PC Software (SW) and to documents and are listed by month (simplifying "where to read from"). Updates to previous years are store in that years document (SCS\_Updates\_yyyy.rtf). The document SCS\_Updates.rtf contains the updates of the last 12 months.

These documents server as general information to existing Softcon users, installers and consultants. Changes to SW keywords are highlighted in **yellow**, HW in **green** and documents in **red**. The documents SCS\_BMS\_SPEC and SCS\_BMS\_REQUIRE contain all the functions of the Softcon systems and the additions listed in this document are includes in these documents.

These documents contains short snippets of the changes, details of the changes listed here and the versions containing the changes are contained in the relevant version sections of the HW specification documents and in the SW version documents - please contact Softcon if more information is required. The latest versions of the firmware (FW, programs running on the HW), SW and documents contain all the changes listed here and are available from Softcon or on [www.softconserv.com](http://www.softconserv.com). Whilst most changes are available at no charge, certain new functions are charged for.

Non-critical bug fixes and non-significant improvements are not listed in these documents, and generally only major changes to documents or new documents are listed.

## MAY-2004

1. Softcon hosting of own on-line **www.softconserv.com** site with all documents, pamphlets, FW, SW and slide shows.
2. Control of 3 outputs on **COM364** serial interface via the serial port. New parallel interface **COM365** with 8 relay outputs. Used by PPOS to open barriers, turnstiles, doors.
3. CR355 individual setting of anti-timeback (**ATB**) per reader (0 to 9 minutes) and clear or not other readers ATB. Hence, additional possible settings, per access point:
  - ATB on entry, not on exit.
  - ATB can/cannot be cleared by other reader (enter – ATB starts, exit – ATB on entry reader is/not cleared). If not cleared, a card cannot be passed back.
4. CR355 error **LED control** changed: Red on access denied (out-area, ATB, card not found), simultaneous red and yellow on wrong format or wrong facility code.
5. CR355 not report same **out area** card if swiped within 5 seconds, different card reported immediately. This prevents unnecessary data flowing in the system, speeding up of loading new data to controllers (in systems that have more that 15 000 cards that use the same readers).
6. CR355 direct interface to two **ControlSoft** readers via multi-drop RS485 comms.
7. CR355 **interlock** option – preventing both doors opening at the same time, via reader or egress (push-button). Booth/mantrap is also an interlock. Doors monitored and optionally also **latches monitored** (typically used for MAG locks).
8. Enhanced **databases locking**, speeding up data access and database synchronization.
9. Card data mask for a **keyboard reader**, facilitating the use of an integrated reader, with any variety of card formats.
10. **PPOS slip** printing configurable, printing any of the captured data, PC and operator information, fares, period, date/time, etc.
11. **PPOS** link to Softcon **serial** (COM) interface (3 outputs) and to Softcon **parallel** (LPT) interface (8 outputs) for Barrier, turnstile, door Entry/Exit.

## JUN-2004

1. **PPOS** slide show.
2. **Visitor** program has a "**Door open**" button, generating event(s) to open door(s).
3. **Print** option in **list editors** (including activity), printing viewed columns (in set sizes and order) for selected records.
4. Clock-in and out to external file for **Eco Time Technology** time and attendance systems.

# JULY-2004

1. **Parking products** document.
2. Enhanced comms between **CR355** and front modules. **Cash loader** uses same front uP firmware.
3. CR355 code **32 bit Aritech** cards.
4. Visitor, Client and CardMaker programs scan / capture **photo, signature** and **document** per card / visitor. Included on card/label designs. Typical documents scanned are ID books/cards.
5. **Drawings** can display photo, signature and document, linked to reader (reader provides card reference).
6. CardMaker and Visitor programs can be **translated** to other languages.
7. Lists and property sheets display **help pop-up** when mouse pointer pauses on column heading and data respectively.

# AUG-2004

1. CR355 and MF350 (vending) use universal **card decoding** FW modules – auto-detect most common Wiegand card types from number of bits (correct settings required where different types for same number for bits).
2. **Universal MF350** EPROM with all card types, on-line and stand-alone in one EPROM.
3. All SoftWin3 programs can be **translated** to other languages – SCS\_Server started with language parameter (e.g. /language:FRA for French).
4. Client programs can be started with parameter **selecting the server** to connect to (e.g. /start:admin) – facilitating redundancy by using a local server when network is down.
5. New event type to **set card parameters** Status, Area Group and Time Group. Typically used to disable, change time group, etc. of card(s) on timed or specific events.
6. New SoftWin3 program **SCS\_Report** (replaces Softwin SoftRep), functioning in server / client structure. Clients send report request to server (running where databases located) – server generates and sends zipped HTM reports to client (automatically unzipped when viewed). Reports can be (automatically / manually) "saved-as" to be reopened when required.
7. **Auto log-off** after set time-out.

# SEP-2004

1. **Tokens** set per item, allocated to card holders.
2. **Modem link** to access controllers (CR351-5) and LAN controller (CR357).

# NOV/DEC-2004

1. **Fingerprint reader integration**.
2. **Windows XP SP2**
3. Universal reader interface – **parameters settable in ROM**.
4. **Asset management** with pre-booking, alarm on late return, charges per period – time of day.

# JAN/FEB-2005

1. **37 bit Wiegand** card decoding.
2. **POS cash** options (till, add cash, take-on, cash-up).
3. Update **www.eslconserv.com**.
4. **iClass** card read / write.
5. **CR355 LAN comms** 8 or 9 bit.
6. **AZg in Ram** – speed-up of controller reset.
7. **User ID on cell receiver** generates card events (e.g. open gate via cell – no call charge).

# APR-2005

1. **34 bit Wiegand** (Dutch) card decoding.
2. **Universal interface** all parameters settable in EEPROM (also Wiegand out format). All Wiegand read formats.
3. **CR355 reports card not captured**.
4. **CR355 default I/O type via LAN**.
5. **CR355 LAN buffer size** 2k9 (db2, dB10 6k5 with PIN or 9k no PIN) or 950 (dB10 10k with PIN, 15k no PIN).
6. **Access2000 clock** in/out export file.

# MAY-2005

1. **iClass** card read and write to reader on serial port.
2. **Visitors scroll** in property sheet.
3. **PPOS** selection of items on main menu **password** controlled (e.g. certain operators forced to edit certain data).
4. **Property sheet items** settable to be **mandatory** – must be filled in before the menu can be exited.
5. **Activity display group** sets activity from which PCs must be displayed.
6. **Passwords on reports** – operators run on set reports.

# JUL-2005

1. **CR375 Hand programmer** front module (with PIN pad and LCD) – in molded plastic enclosure, links to CR355 (replaces CR374).
2. **Logging of reports run** (by which operator).
3. **Edit boxes changeable to list boxes** (and visa versa).
4. **Clock in/out area groups** – settable per card to where the card clocks.
5. **6 Licence / expiry** settings per card, settable for determining expiry (e.g. card has additional medical expiry).
6. Start / end date-time **absence** sets different card status, area zones added / deleted. E.g. when on leave, certain areas not accessed.
7. **Card property sheets** restructured with additional spare fields.
8. Link to external **SAP system** (clock data to, card data from).
9. **SQL authentication** option when reports link to SQL server.
10. **Report set-up** editing in SCS\_report (with audit).
11. **Logging** of scheduled distribution events selectable (e.g. only log daily schedules, not schedules repeated every minute).

# AUG-2005

1. CR355 Selection of **LAN baud rate** (2k4 to 19k2) and **number of data bits** (8 or 9).
2. **Timers**. Set, started and stopped on events. Optionally cycle (with reload time-outs) – events generated on every cycle and on time-out.
3. Enhanced **database sync** with compression of transferred data. Sync external **clock files**.

# OCT-2005

1. CR355 **Access Vend** Card at reader 1 request access item 1 (reader 2 = item 2), activates latch and update if sufficient funds.
2. Access cards linked to **Master card** and **control card**, transferring empty fields.
3. **Temporary card** / master card link auto end on temporary card disable (typically on expire or capture). Used when card forgotten.
4. **Virtual Cards** – not sent in controllers, used as event trigger – matching all non-empty fields (e.g. all enabled cards of department ABC).
5. **Attachments** to email sent – zip options.
6. **Edit tools**: Copy, paste, clear, default. **Card batch load** with search and load.
7. **Report** auto generated to **file**. Reports generate **settable events** (typically used to trigger **email** with reports **attached**).



*On the way....*

*New mux interface (TCP, USB, serial) - last quarter 2005.*

*New 2-reader controller (TCP, USB, serial) - 1st quarter 2006.*



*Food for thought....*

*if these are the type of additions Softcon is doing -  
what can Softcon systems not do?*