

Release notes Windows

These release notes are applicable to the following modules:

- Cortex

Software version 01300
Hardware version n/a
Platform Windows
Date 27-06-2017
Filename Cortex Installation 1V13.zip

- General
- Auto backup of tally and router configuration created on shutdown and optional periodic backup
- Support for MIDI interfaces added using MIDI device server (Alyseum IP-8 or similar)
- Plain text file output added
- Child / sub-panel variables can now be set from a parent
- Timezone options added to GetCurrentTime function and Timed event
- String whitespace removal and Timecode offset functions added
- Added aspect ratio and deinterlace options in the Video control (VLC)
- Removed dependency on connecting to a mirrored or clustered SQL database in a redundant system
- Redundant option on dongle determines it must be part of a redundant system (only enabled on secondary), primary dongle without option has option to be part of a redundant system so can be standalone - previously delivered systems can be changed if requested
- Cortex redundancy, license and server status objects available to client
- Active Control interface connections shown in Cortex Device view
- Improved application start up time and memory efficiency on larger systems
- Added detection of database state (suspended etc) if we cannot connect on startup
- Improved serial port handling mainly with remote device servers, re-scan for ports now working
- SQL less schema dependent
- Ability to clear the alarm status in SQL from configuration dialog
- Application message queue lengths shown along with time taken for SQL transactions
- Support for MGU/G SynView II cards
- Salvo Option
- Salvo editing improved - copy and paste to/from clipboard
- Salvos can now be part of a category
- Routing Option
- Sparse arrays have been added to Routing devices to allow only selected sources/destinations to be used for each level (useful on hybrid routers)
- Improved router matrix control, ID's added, Level filter added, option to show IO mnemonics, routed source shown when hovering over destination, clicking makes the grid move to show the source
- Improved router status table, options to show dest IO, source IO, level filter, column sort improved
- The requirement for using the [ID] prefix to reference the ID has been removed, so all level/source/destination fields will now accept a number without the [ID] prefix or the mnemonic. Please note the [ID] prefix will still work as before.
- Level to Level Route Inhibits added to stop cross mapping of levels as required
- The physical IDs of a Routemaster source/destination are now sent to the clients for the enabled levels allowing more complex I/O related functionality in a client UI.
- A configuration option has been added to prevent the possibility of crosspoints being made on any routing device when importing a configuration (.ccf) file
- Configuration options added for enabling the logging of Router, RouteMaster crosspoints, undefined and lock/protect events
- Routing error events can now be registered on any control/panel (used when tie-line request fails)
- Added confirmation message when pasting a lot of cells into RouteMaster source/destination grids.
- SNMP Option
- SNMP trap I/O improved - now allows up to 10 var bind fields to be received/sent
- Tally and Mnemonic Management Option
- GPIO Naming added
- RouteMaster sources/destinations can now be added to the tally system - primarily for virtuals so these are now tallied
- Input to Input coupling added to cable map to allow definition of sources that are fed from common source (via a DA or multiple outputs on device)
- UMDs shown in Tally and Router configuration are now limited by size/s defined in the UMD device
- Any tally point can now use the OR,AND,NOR or NAND rules
- Device Protocols added:
- AMWA NMOS IS-04 V1.0/1 discovery and routing
- ETL Vulcan L Band Router
- Grass Valley Triton Router
- Kramer P2000 Router Protocol
- Novotronik RF Router protocol
- Quintech QRM2500 RF router
- Adder DDX KVM protocol
- AJA FS1/2 protocol
- AJA FS3/4 protocol
- Allen and Heath Qu and DLive Audio Mixer
- Axia Livewire - LWCP and LWRP protocol
- Atomos Shogun protocol
- Azilpix StudioOne system
- BlackMagic ATEM switcher protocol, extended to include camera colour correction
- BlackMagic MultiView
- DHD Audio routing protocol improvements
- GV / Miranda ImageStore IS750
- GV Kaleido Audio Monitoring commands added
- GV LDK gateway protocol
- GV / Miranda iControl Gateway Services protocol - Densite and NVision I/O card control
- Media Excel Hero Stream Encoders
- NTP DAD AX32 Audio I/O units
- Panasonic AV-HS450N Switcher
- Panasonic Camera Controller AW-RP50 - for virtual Panasonic camera communication router
- Rohde and Schwarz FSL Spectrum Analyser - SCPI commands
- Ross openGear protocol - support for all openGear modular frames/cards
- Ross Acuity/Carbonite Switcher - supports combined RossTalk command and TSL tally status
- Ross Carbonite Tally
- SAM Kahuna Tally improvements - ordered tallied sources, merged tally and routed destinations and filter
- Snell RollCall improvements
- Sony Aux Bus protocol
- Yamaha DM1000 Audio mixer (via MIDI)
- Hardware Control Panels
- Support for NVision control panels (NV9640a, NV9641a, NV9642, NV9654)
- Support for Evertz CP-1000E control panel (using -S7 protocol)
- LTC Option
- Support added for new LTC option, using PCI card fitted in the server
- Form Designer Improvements
- Speed improvements when multiple documents are open
- Fix for toolbox colour issue
- Release Notes:
- Note: No changes has been made to the SQL database since V1.11, if you are upgrading a system currently running V1.11 or earlier it is recommended that a backup of the database should be taken before the new version is run for the first time.

Software version 01200
Hardware version n/a
Platform Windows
Date 03-02-2016
Filename Cortex Installation 1V12.zip

- General
- Improved memory and resource management and monitoring
- Client/Server UI redraw speed improved
- Client message handling speed improvement
- Server and Client internal queue diagnostics added
- File sync now works across different time-zones
- Removal of a dongle now allows a grace period before disabling the options, demo time can extend this if required
- Redundant C-Link configuration now accepts just a computer name if on the same domain
- Quick links to open selected file in Designer added to H/W panel, User/Group and Macro editor dialog
- Name of current configuration file name shown in status bar
- Salvo Option
- Tally of salvos implemented
- Salvo instance copy added
- New fields for group and instance description, and saved instance timestamp
- Router Control Option
- Dynamic (macro controlled) router categories
- Wild card router event
- NTP Dot Protocol added
- Support for Axon NIO440 distributed IP routing control
- Option to show IO mnemonics or source mnemonics in Joystick/UMD configuration
- Dummy physical destination added so Routemaster can hold a virtual route status (useful in level shuffling)
- Auto-add in Category editing improved
- Router Sub-Device configuration improved
- Routing Tie-line Option
- New cost option added, first phase implementation includes properties for group, cost and source/destination inhibits
- Support for both automatic and required tie-line level requests
- SNMP Option
- SNMP Trap message in Event log decoded to show mib names
- SNMP Trap event handler input values improved (trap number / description added, increased the number of variables available)
- SNMP OID polling improved when a registered OID is not responsive
- SNMP Walk improved to show the mib name as well as the OID
- SNMP phyAddress now displayed correctly
- Tally and Mnemonic Management Option
- Tallying of Routemaster virtual destinations
- New UMD mode for primary routed source
- Improved editing of default behaviour for GPI/O's in tally grid
- Generic Device Protocols added:
- ClearCom Eclipse intercom - HCI protocol
- Guntermann and Drunck CATCenter NEO KVM protocol
- Grass Valley Kaleido Multiviewer preset/UMD/tally protocol
- Louth/Harris/Imagine VDCP protocol
- Pro-Bel SW-P-15 Serial protocol
- Pro-Bel SW-P-100 PBAK Automation protocol
- Snell Kahuna Tally protocol
- Snell RollCall protocol
- TC Electronics D22 Delay unit protocol
- Trilogy Gemini intercom - Ember+
- Hardware Control Panels
- Support for CCP-16/32/4801B Panels with GPIs
- Support for JL Cooper Fadermaster and Eclipse MX panels
- Support for Pro-Bel 6711 and 6712 LCD button panels
- Device dialog improvements
- Form Designer Improvements
- Available Panel Variables for child panel can be viewed in parent
- Toolbox templates are filtered based on current document
- Single instance mode added, Cerebrum files will now be opened in same instance
- Panel controls resize now allowed with mouse and when controls within panel are anchoring it will show result
- New option added to resize the sub-panels to the same size as initial panel file
- When enabling Router Panel it auto-populates with Cerebrum and * to select all levels at the point the panel is created
- Ctrl-P and R shortcuts for Panel Variables and Router Panel dialog
- Release Notes:
- Note: No changes has been made to the database since V1.11 which would require dropping the database to go back to V1.11.

Software version 01100
Hardware version n/a
Platform Windows
Date 20-02-2015
Filename Cerebrum Installation 1V11.zip

- Standard edition
- Synapse card compare operation now allows sub-selection of cards to compare
- Clustered SQL supported
- Option to only log events on a change of severity (supported by all device types)
- Improvement on device connections when logging into server using RDP (sometimes caused devices to error with frame departed)
- Salvos Option
- New license option
- Panel Viewer Option
- Global variables added
- Global Data Stores added
- Data Stores can be 'watched' for externally changed files
- Files can now be stored in SQL (allowing synchronisation on mirrored server system)
- New Routing matrix control component with filtering and zoom
- User group option to disable macro browser configuration
- Macro browser now prompts user when re-loading macro with input parameters
- New Full desktop mode added
- Full screen mode improvements
- Position of popup modal dialog improved (centred from the current view it was created from)
- New action to select a grid row
- New client action to select manual failover of server
- Router Control Option
- ETL Enigma L-Band / RF router protocol added
- Ross ASCII routing protocol added
- Riedel MediorNet supported with multi-matrix SW-P-08 protocol
- Native Fire salvo macro command added (implemented on NVision NV9000 and Quartz RCP-01)
- SNMP Option
- Root OID can now be added for a device and template (to aid mib navigation in classic view)
- Tally and Mnemonic Management Option
- Horizontal fill/increment/copy of crosspoints added for sources/destinations
- Copy and paste of UMD implemented
- Auto-add improved on sources/destinations
- Auto-add implemented in categories and joysticks
- Shift and control selection of sources and destinations in cable/tally device selection
- Generic Device Option
- New protocols for:
- Adder Infinity AIM KVM
- Allen and Heath iLive
- Blackmagic Hyperdeck player including clips and timeline
- Cerebrum Tallylink (for bi-directional interconnection between other tally systems) based on TSL UMD V3.1
- Ember protocol added (note V1.10 only supports Ember+) - Studer audio console supported
- Ember+ enhancements for Trilogy Gemini (attributes on routing tables)
- ETC Paradigm lighting control
- GV K2 AMP
- GV Kalypso/Zodiak Editor
- GVG-100 (Ross switcher)
- JVC PS-4XX and GM-5XX Monitors
- NEC External Control P Series Monitor
- RGB Spectrum Mediawall 1900
- Riedel Connect Trio
- Riedel RRCS
- Ross Contribution Tally
- Ross Editor
- Shotoku T Computer Automation Remote Control
- Snell Kahuna switcher tally
- Sony PVM-2541 Interface E Monitor
- Sony VISCA
- Supports dynamic creation of sources/destinations in the signal path for protocols like Lawo MNOPL, Ember/Ember+
- Enhanced/specific device configuration dialog improvements
- Hardware Control Panels
- Improved configuration of default router control parameters
- Improved file selection in device dialof
- Improved "Add Another" function
- Hardware panels now allow category offsets when slaving one panel to another
- GPI/O's supported on Rowtronic/Pro-Bel type BPS panels
- Form Designer Improvements
- Update editor now renamed Properties editor
- Copy and paste of actions supported in Properties editor
- Paste positioning for multiple controls improved
- Paste Increment count now editable
- Ctrl-A keyboard shortcut now works in XML editor to select all
- Release Notes:
- Note: This version incorporates a couple of changes to the database. After running this version it will update the database tables and you will not be able to run the previous version of the application without either reconfiguring the system or restoring the database configuration to its previous state.
- If this is required or you wish to have the ability to roll-back to the previous version it is recommended that you take a backup of the user tables using the following option: View menu->Engineering->Backup User Tables before installing this new version of the application.
- There are two changes to the database in this version, the addition of the Root_OID column in the SNMP_Template table and a change in the LogicMask table. To roll back these tables could be deleted using the SQL Server Management Studio application if this information was not required.

Software version 01000
Hardware version n/a
Platform Windows
Date 04-06-2014
Filename Cerebrum Installation 1V10.zip

- Standard edition features
- GPI support added to CCP-4800/2410 hardware panels
- All Hardware panels have now been changed to generic devices (note: this will stop hardware panels working if the system is - downgraded, without removing and adding them again, the configuration of these panels should ideally be changed to select the - correct panel type this will then allow extra functionality like supported GPI's to work)
- Informative text support for simple button types on hardware panels
- Added TCP keep-alive for TCP server protocols
- Support for MCP-1000 panel firmware upload and configuration
- UMD text for SynView cards now UTF-8 encoded to support non-latin character sets
- Client CPU usage reduced (bug introduced in V1.09.01)
- Configuration of Standalone CCP-4800/2410 hardware panels for SynCross control only
- Support of Sub-devices with multi-protocol support
- User data and SQL User name and device name added to the system inventory
- Room and Bay added to the common parameters dialog
- Event log Archive files now human readable in same format as log file
- Serial Port RTS line can be used as indication of active(+V)/inactive(-V) server
- Safe-mode feature added (hold left control and shift down when starting application), gives the option for configuration table - to be backed up and dropped, all database tables to be dropped or SQL log file to be shrunk.
- Panel Viewer Option features
- Router mnemonic list events added so list/count of levels, sources and destinations can be retrieved
- Function added for File directory listing
- Router Control Option
- Router and Tally configuration can be configured from a client
- Harris LRC Protocol added
- Disconnect source added for protocols that support this
- ProBel SW-P-08, support over UDP, Tally dump request implemented
- Some Router protocols in V1.09.01 were incorrectly registered
- Tally and Mnemonic Management Option
- IO Mnemonics added
- Fill now added for UMD's
- Can now delete multiple joysticks/joystick GPIs
- Cable grid now only allows one connection to an input
- Tally engine now in client
- Removed devices still in the tally configuration now shown in the tally device tree
- Joystick override now has previous source option
- Routemaster multi-level updates
- Import/export management of configuration now moved to the File menu
- source/destination/level drop down box speed improvement and filter available
- Generic Devices Option
- Pro-bel SW-P-05/6 panel protocol (works with compatible ProBel/Rotronics Systems BPS panels)
- Ember/Ember- protocol added with initial implementation on Lawo V Pro 8 unit
- GV K Frame tally protocol added over IP (tally only)
- Lawo RemoteMNOPL interface added as a generic device, supports routing and mnemonic retrieval
- Art-Net protocol added for support of DMX512 using IP to DMX converter
- Panasonic PTZ camera protocol added over IP
- CGP-4848 supports virtual GPI/O routing
- Vutrix monitor added - UMD/tally and input source selection over IP interface
- Sony MVS-8000X Serial tally
- TSL UMD V5 tally 1 and 2 were swapped
- GV DD35 Net now ignores IP adapters with 0.0.0.0 address
- GV Native server protocol now works with RCL NP Protocol validator
- Hardware Panels
- Support of LPP-1000
- Optional Internal implementation of panel lock
- The use of CVF files for the hardware panels have been removed and replaced with a configuration dialog within the application, this data is now stored in SQL
- Form Designer Improvements
- Update editor now uses splitter window
- Drag and drop of Signal paths, UMDs and GPIOs
- Release Notes:
- Note: due to a required database change, running this release for the first time will change the configuration for all Cortex - hardware panels in the system.
- After running this version you will not be able to run the previous version without either reconfiguring the system or restoring - the database configuration to its previous state.
- If this is required then it is recommended that you take a backup of the user tables (View menu -> Engineering -> Backup User - Tables) whilst running the previous version.

Software version 010901
Hardware version n/a
Platform Windows
Date 19-09-2013
Filename Cortex Installation 1V0901.zip

- Standard edition features
- Live state severities added to the system, ability for system view to show live or historical status
- Increased the maximum number of devices that can be added to the system
- Global device control lock added
- Stops refresh of ACP device if using TCP connection
- Supports second forwarding address on ERC to see if device requires refresh
- Undo function removed (behaviour was unpredictable in a multi-client system)
- Archive log file name convention changed to YYYY_MM_DD for better file ordering, archive directory size limit increased to 64 GB
- Control events were not archived
- Improved SQL performance
- Ability to log macro events and actions to audit trail
- Allows a card to be added as an ACP device/frame for direct communication if required
- Panel Viewer Option features
- Alarm event now is an event in macro script
- Joystick support added as an input device (only supports one joystick)
- Ability to add message to Audit Log
- Ability to add carriage return and line feed characters to emails
- Multiple Email and SNMP trap sending now improved
- Slider and Rotary control now support periodic updates of value whilst left button down
- Rotated text option on label
- Grid cell header text can be vertical
- Mouse movement function added (position and button state)
- Router Control Option
- Router Categories added
- Level Shuffling added to Routemaster
- Cortex can be controlled from a Grass Valley Native protocol (Control Interfaces)
- Ability to change IP port for Ethernet devices
- Allow duplicate mnemonic option
- Blackmagic Videohub ethernet protocol added
- Neveion RS422 router support added
- Grass Valley Native protocol now supports direct connection to Concerto
- SW-P-02 sources above 128 were tallied back incorrectly
- SW-P-08 message handling improved
- Utah protocol now supports UDS router
- SNMP Option
- SNMP agent added
- Tally and Mnemonic Management Option
- UMD now has the option to specify prefix and suffix text
- UMD now supports ultimate source mode
- Joystick overrides can be latching
- Generic Devices Option
- Improvements to Status severities and control exclusions
- Speed improvements to classic view ??
- RTS/Telex AZedit protocol added
- For-A Hanabi tally and editor protocol
- GV Karrera Switcher Tally protocol added
- Evertz Symphony protocol added
- Sony MVS Switcher Tally protocol added
- Image Video UMD protocol added
- TSL V5 UMD protocol added
- Form Designer Improvements
- Ability to copy and paste panel/file variables from one form/file to another

Software version 0109
Hardware version n/a
Platform Windows
Date 08-01-2013
Filename Cortex Installation 1V09.zip

- Standard edition features
- Alarm durations have been added to the event log
- Alarm reports for devices, services and channels
- Customised event descriptions can be added for all device type (Synapse, SNMP and Generic) status severities
- Hardware panels now support sub-panels
- Support for ACP over TCP-IP when using the new Enhanced Rack Controller (ERC)
- Option to use confirmation dialog on shut down of application
- TGA Footer extension added to a file when uploading an 'old' format file to HLI-HTI family of products
- Ability to create a Synapse card HTML and-or mib file within Cortex in the backup dialog
- Cortex menus-dialogs now capable of being Multi-lingual
- Maximum SQL table sizes have been increased depending on the version of SQL in use
- Support for SQL 2012 verified
- ACP multicast can now be received on all network adaptors
- Client Corlink multicast can be received on all network adaptors
- Improved client connection when used on networks with packet loss-delays
- Panel Viewer Option features
- Video Stream control added (dependency of VLC player)
- Macro Files - Now allow input parameters to be given to macro files
- Anchoring of GUI control
- Refresh All Views now separated from reloading of the Macro files
- Timed Events added (multiple time events with recurrence)
- Comments can be added to the scripts
- Drawing speed/appearance improvements
- Support for more than 1000 cells in repeated row grid
- Audit trail logging of macro script errors are now turned off by default
- Name of file producing a macro script error now shown in the audit trail
- Router Control Option
- Source and Destinations configuration now allows copy and paste to-from from a spreadsheet
- Source and Destinations configuration supports auto-naming and sequences when adding
- Support of Virtual sources-destination
- Support for Timed Destination Locks
- Support of SW-P-02 over Ethernet
- Network version of Harris pass-through protocol implemented
- Support for direct connection to Synapse 'SynCross' router using SW-P-08
- NVision router control protocol will now connect to the Active controller in a redundant system
- Advanced Option added to prevent reading router mnemonics and or locks
- Support of Prelude control system
- SNMP Option
- SNMP templates now allow macro file to be assigned to device for automatic trap/event registration when adding or removing a device
- Support for V2c and V3 SNMP devices
- Read-Create SNMP objects supported
- Severity of SNMP mib parser audit trail messages can now be configured
- SNMP 'walk' of a device implemented
- Polled OID of an SNMP device can be changed if device does not conform to SNMP specification.
- Tally + Mnemonic Management Option
- Tally points now shows the source for the tally point in hover popup
- Merged-collapsed cells now show whether it has configuration in one or more of them
- Configuration of Joystick overrides
- Physical Router mnemonics can now be overridden and have alternate mnemonics
- NOR and NAND logic gates added to tally grid
- Loading/Saving of configuration to a single file, sub-set options when loading a configuration
- Cortex script can now set a Mnemonics
- Generic Devices Option
- Support for For-A Hanabi switcher tally protocol
- BACNet Building management protocol
- Support for Gigawave Dome Camera Control protocol (uni-direction)
- Form Designer Improvements
- Configuration parameters have been added to effect the Paste positioning for single and multiple object pasting
- Auto increments between forms (CLF/CPF's) will not increment
- Mouse position now show on status bar
- Allows copy and paste of multiple buttons between CPF files.
- Helper definitions (System defines) added for severity states, connection settings and device types

Software version 010801
Hardware version n/a
Platform Windows
Date 02-03-2012
Filename Cortex Installation 1V0801.zip

- Fixes from V1.08
- Cortex Client showed a CLF error, pressing F10 would make it work
- Designer did not show objects in the ACP Card view
- ERC programming improved
- ACP Classic view did not draw properly
- Client and Designer login default to Admin and not use full client functionality
- Now starts up when duplicate generic CGD files

Software version 0108
Hardware version n/a
Platform Windows
Date 29-02-2012
Filename Cortex Installation 1V08.zip

- Tally + Mnemonic option added
- Bitmap slider and Rotary control added
- Support for the CCP-3201, CCP-4801, CCP-2410 and CCP-4800 hardware control panels
- Client file delivery over CorLink protocol
- Full support of Generic devices
- Status severities and control exclusions
- Logging
- Templates
- Classic View
- Demonstration and Dongle Licence support
- Generic Device protocols for:
 - Grass Valley ACOS Protocol
 - Grass Valley DD35 Net Protocol
 - Grass Valley M-2100 Protocol
 - JLC Cooper eBox Protocol (GPIO support only)
 - Penta RCP-1806 UMD Protocol
 - Raw Serial, UDP, TCP/IP communication
 - Sony 9-pin Protocol (Serial)
 - TSL UMD Protocols (Serial and UDP V4)
- Virtual device
- Router Protocols for:
 - Grass Valley Native Protocol (Serial and Ethernet)
 - Grass Valley ES-Switch Protocol (Ethernet)
 - Pro-bel SW-P-02 Protocol
 - Pro-bel SW-P-08 Protocol Ethernet support (for Studer audio router-consoles)
 - Stagetec Nexus Protocol (with logical to physical mapping)
- Default for Synapse status severities read from CGD file
- Find Card operation added
- Synapse Programming
- Support for Enhanced Rack Controller (ERC118)
- Improved speed of spf download
- Dialogue now non-modal
- All devices (Synapse, Routers, SNMP and Generic) can be 'addressed' using device name in script (giving independence to specific IP address)
- Macro files can now support keyboard input
- SNMP OID and specific instance now shown when grid cell selected in classic view
- Support for COM10 or higher on serial protocols
- Cortex Switch user action added
- Individual Synapse status items can be masked as good-cleared by double click of status label
- Edit details - identity now protected by edit frame details option
- Refresh Synapse card data option added to Card Menu to re-collect data from card
- Event log and Device Monitoring grid now remembers and applies its filter on startup

Software version 0107
Hardware version n/a
Platform Windows
Date 26-08-2011
Filename Cortex Installation 1V07.zip

- Notification of Cortex Alarms available from SNMP (V1 or V2c) trap and/or SMTP (email)
- Masking of Cortex Alarms, either nodes and/or inputs of nodes either from UI or from CLF script language
- Comparison of Synapse System configuration/status with Cortex backup file
- Support of CGP-4848 GPIO interface
- Support of SNMP traps from third party devices with SNMP option
- Ability to send user defined SNMP trap or SMTP message from CLF script language
- Ability to force an SNMP or ACP value from CLF script language
- Ability to add a user defined message to Alarm Log from CLF script language
- Added Maths functions for Sine, Cosine, Tangent and inverse functions to CLF script language
- Added Generic device support, at the moment this release is limited to Ping devices
- Cortex window position and sizes now stored for each user in the Cortex directory rather than the registry
- Audit trail can now be exported to a log file
- System view User label can be configured to show the User Name stored in Cortex SQL database giving the ability to use Unicode characters
- Support for HMW100 in multi-viewer configuration
- Added the ability to align multi-viewer windows using 'right click' menu
- Support for latest released Synapse cards and manual updates
- Protocol fixes for Leitch passthrough and NVision native router protocols

Software version 010604
Hardware version n/a
Platform Windows
Date 25-03-2011
Filename Cortex Installation 1V0604.zip

- Clears sticky user label on removed Synapse card when alarm cleared
- When programming RRX card, Cortex automatically changes the card into manual mode if in DHCP mode
- Fixed application crash after sometimes programming cards, introduced on V1.06.04

Software version 010603
Hardware version n/a
Platform Windows
Date 11-03-2011
Filename Cortex Installation 1V0603.zip

- Panel variables supported when using a CPF file
 - Pesa P1 protocol issue introduced on V1.06 resolved
 - NVision compact router protocol and Utah-RCP1 protocol now fakes support for locks (protocol does not support these)
 - Improved CCP-1601 protocol support (multi-command packets)
 - Programming Synapse card improvements
 - SQL logon now defaults to use shared memory rather than TCP/IP for connection.
 - Condition of Native client 10.0 decreased to SP2 as install was causing issues on upgrading
 - Support for latest released Synapse cards and manuals
- Form Designer Improvements
- Delete, copy and paste supported for hardware panel (CPF) files
 - Panel variables can now be assigned from view variables

Software version 010602
Hardware version n/a
Platform Windows
Date 17-01-2011
Filename Cortex Installation 1V0602.zip

- Support for Cortex hardware panel (CCP-1601)
 - Archive files now limited to 100MB
 - File browser for selecting default 'home' CLF forms for users/groups
 - MultiViewer control improved to show notes window and option of non-edit mode with full screen
 - Line control now anti-aliased
 - 'for' loop added to CLF script language
 - nested logic blocks supported in CLF script language
- Form Designer Improvements
- Support for hardware panel files (CPF)
 - drag on drop of sources/destinations Event handlers and Actions from the system view
 - Known Variable selection combo for pre-defined panel and local variables
 - Grid alignment of controls by row/column or column/row
 - Auto spacing horizontally/vertically of controls
 - Auto increment of local variables on copy/paste or clone
 - double click feature added for controls with GUI action to change CLF, opens that CLF in the designer
 - Now creates edit backups

Software version 010601
Hardware version n/a
Platform Windows
Date 07-11-2010
Filename Cortex Installation 1V0601.zip

- New Alarm Tree control, Font ComboBox and UpDown control types added
- Optional support for unicast on specific client connections
- SQL database updated to unicode
- SNMP, Router network device can now be edited
- Loading and unloading of macro files
- Sounds playable from CLF
- Restore card from alternate IP/Slot
- Installer now supports both 32 and 64 bit OS
- Redundant server option added to Hardware dongle
- Improved SQL archiving
- Prevents database filling with alarmed items
- Form Designer Improvements
- Configuration of grid and repeated row grid (involved change to XML)

Software version 0106
Hardware version n/a
Platform Windows
Date 22-04-2010
Filename Cortex Installation 1V06.zip

- Redundant Cortex Server option added
- Support for Redundant and/or Remote SQL databases
- Cortex Node added to System View tree when in Client/Server mode along with the Cortex status in the Logic engine
- Router control protocols added: Nevision V128, Utah RCP-1, Utah RCP-3, Pesa P1N, Pesa P1, Grass Valley Jupiter ASCII, Leitch Passthrough, SonyCart/+ /++
- Virtual router can now be added to the system to simulate a router
- Router mnemonics can be loaded from a file to override the mnemonics read from a router controller or provide mnemonics to a protocol with no support for mnemonics
- Cortex supports unicode, Synapse cards with UTF8 support can now be sent multi-byte characters.
- New CLF features:
 - Line control
 - DataStore for storage/retrieval of static data from a form
 - Added GUI action, rounded edge and border to Label control
 - Form events
 - New 'Form' and 'Application' variable types
 - Timer event
- Macro file added (CMF)
- Alarm grid export to log file
- Option to Auto login with last login details
- Client connection now supports Router and SNMP events/actions
- Comprehensive control templates added for routers indexed by either source/destination mnemonic or ID
- Now prints both formats of SFR18 front panel card grid
- Internal message speed improvement
- Latest Synapse card firmware version support
- Form Designer Improvements
- Expression editor and expression test facility
- Multiple selection editing of common elements

Software version 010504
Hardware version n/a
Platform Windows
Date 28-01-2010
Filename Cortex Installation 1V0504.zip

- SNMP Status severity issue resolved
- SNMP Textual conventions implemented (eg DateAndTime, TimeTicks...)
- SNMP Library updated to V5.5
- Support for latest released Synapse cards and manuals

Software version 010503
Hardware version n/a
Platform Windows
Date 05-11-2009
Filename Cortex Installation 1V0503.zip

- Added ability to play a sound file on an error or warning
- UTF-8 encoding and decoding of HT110 text strings implemented
- Backup and restore now only overwrite the User label in the identity group. Stops potential issue with overwriting License Key of a card
- Demonstration key now will work when default network adapter has changed
- Default Poll time added for SNMP devices, poll time for SNMP controls also supported
- Adding 3rd party router without SNMP license no longer causes reported port error
- Quartz protocol now handles empty mnemonic string
- Pro-bel protocol source association name issue resolved
- Fix for problem with NVision NV9000 V5.2.4 where multiple mnemonic read command did not work
- HQW200 editing caused exception when card was located in last slot of frame, aspect ration check no longer works on clocks
- Support for HXT010 added

Software version 0105
Hardware version n/a
Platform Windows
Date 01-09-2009
Filename Cortex Installation 1V05.zip

- Cortex is now available as a Client / Server application
 - Cortex designer now can be a client to Cortex and allows a drag and drop interface from the system view.
 - Cortex designer can now edit templates
 - Templates added for SNMP, Router and Logic controls
 - Option to Auto-logon using the Windows user credentials
 - Default CLF for Control and Navigation view can be defined for each user and/or group
 - All Synapse card GUI's are loaded from external CLF files
 - New CLF components added for grid, repeated row grid, progress bar and controls for built in functions such as WebDAV, ARC mimic etc.
 - Alarm Log now stored as local time rather than GMT
 - Pro-bel SW-P-08 serial router protocol added
 - Shortcut key (Ctrl-U) to change user added (allowing user to be changed in full screen mode without menu)
 - Audit logging of loading CLF's.
 - Latest Synapse card firmware version support
- Bug Fixes

Software version 010403
Hardware version n/a
Platform Windows
Date 01-05-2009
Filename Cortex Installation 1V0403.zip

- Compare dialog object column larger
 - Programming dialog decreased in size to fit on 1024x768 resolution monitors
 - Dongle license changed this is now the earliest version required for User options
 - Copy and paste buttons added to Demonstration mode dialog
 - SNMP Severity now passed to clf's
 - Default SNMP port and community string added
 - Ability for Cortex to bind to specific IP address which allow simulator to run on the same PC
 - Latest Synapse card firmware version support
 - HQW200 control exclusions for window movement did not effect all controls
 - HQW200 initialisation was incorrect after support of the second clock added
 - HQW200 layout save/load had stopped working with UMD text
 - GPI16 options added
- Bug Fixes

Software version 010402
Hardware version n/a
Platform Windows
Date 12-03-2009
Filename Cortex Installation 1V0402.zip

- User options for Panel View, Router Control and SNMP management added with dongle protection
 - SNMP User control exclusions, status severities and template support added
 - Demonstration mode logon added
 - Print Network List implemented
 - Print Card Properties implemented, note this option prints a Synapse Frame label when a group object is selected in the system view
 - Re-organised menu options
 - Latest Synapse card firmware version support
 - Programming Synapse firmware improved
 - Font weight implemented in cifs
 - RRR monitoring tab, did not update LED status (introduced in V1.04)
 - Changing tabs in system view now does not de-select current device (introduced in V1.04)
 - Closing configuration dialogue now does not close system view and de-select current device (introduced in V1.04)
- Bug Fixes

Software version 0104
Hardware version n/a
Platform Windows
Date 15-01-2009
Filename Cortex Installation 1V04.zip

- System view now includes sorting tabs and logic engine for user data (Channel, Service etc.)
 - Views can be locked, User can be prevented from modifying view
 - Device view can now fill the main application area on all sides, using tabbed document view.
 - Full screen mode added
 - Status history for all events in a device
 - All GUI support for cards are now independent from the main application executable
 - All monitoring GUIs now show the historical severity status and current state or status
 - Added ability to receive (subscribe to) multicast address as alternative to broadcast
 - ACP database is now accessed in memory improving application speed
 - GUI Support for all released Synapse cards since V1.03
 - Default database Event Log size reduced to 512MB
- Bug Fixes

Software version 010306
Hardware version n/a
Platform Windows
Date 08-12-2008
Filename Cortex Installation 1V0306.zip

- 2IX10, 2EB22 GUI updated
 - Compare dialog control exclusions incorrect for all cards compared
 - Card Exclusions now work in GUI for objects with trailing space
 - Program dialog allows files with multiple EOF headers to be assigned.
- Bug Fixes
- PBS02/3 GUI for switches were completely reversed

Software version 010305
Hardware version n/a
Platform Windows
Date 21-11-2008
Filename Cortex Installation 1V0305.zip

- Support for all card releases up till 21-11-08
 - Compare dialog now allows a change all cards
 - Programming dialog has enabled option to prevent programming multiple cards incorrectly.
- Bug Fixes
- Logon password checking improved

Software version 010304
Hardware version n/a
Platform Windows
Date 14-10-2008
Filename Cortex Installation 1V0304.zip

- HQW200 Audio Meter and Timecode/Clock support
- Bug Fixes

Software version 010303
Hardware version n/a
Platform Windows
Date 29-09-2008
Filename Cortex Installation 1V0303.zip

- Bug Fixes
- HQW200 Windows Layout Tab Application error cured. (when all UMD areas disabled for a window)

Software version 010302
Hardware version n/a
Platform Windows
Date 25-07-2008
Filename Cortex Installation 1V0302.zip

- Bug Fixes
- Changed GPI16 monitoring back to reflect the status priority. Added 'On' state as good by default.
 - Also now only checks status severity on a status event.
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Software version 010301
Hardware version n/a
Platform Windows
Date 14-07-2008
Filename Cortex Installation 1V0301.zip

- Bug Fixes
- Change the Registry key, both brings it in line with other applications and prevents the crash when upgrading previous versions of Cortex when loading the serialisation of the ProfUIS windows state.
 - Stopped repeated crash on loading serialized window state data.

Software version 0103
Hardware version n/a
Platform Windows
Date 10-07-2008
Filename Cortex Installation 1V03.zip

- Device specific Control exclusions and Status priorities
 - Cost optional integrated router control and navigation view
 - Card Compare function added
 - GUI Support for the new Synapse cards since V1.02 (INS30, 2HX10, ARC15, DAD26)
 - GUI Support for the Synapse firmware menu changes since V1.02
 - Auto assign added to Configure Card from Template
 - Support for uploading animations (multiple files) for the HLI20 and HTI10
 - SQL password changed to improve security level
 - MAC address and IP address reported for all Ethernet enabled cards in System Inventory file
 - MAC address and license key added to Edit details dialog
 - Card/Slot status reported in rack controller monitoring tab
 - Event Log speed increases
 - Estimated programming time calculated and reported in Firmware Programming dialog
 - Right click menu added to HQW200 window editor, snap to grid implemented
 - Sliders controls added on video proc. amp of SPS20
 - Step size now shown in classic view
 - Serial number added to programming dialog for help when programming targeted SPF files
 - User can optionally acknowledge and continue programming on a 'busy' SPF status
 - Default poll time changed to 3 seconds.
 - Increased last ACP retry timeout to 2 x configured setting
- Bug Fixes
- SQL Database log file size problem resolved
 - Remove all frames speed improvement
 - Classic view now uses inc./dec. value ACP commands on arrow up/down
 - Control exclusions on Beta software version did not work

Software version 0102
Hardware version n/a
Platform Windows
Date 28-03-2008
Filename Cortex Installation 1V02.zip

- Support for HLI20, HTI10, HVO10, HXH41 and its variants
- HQW200 Screen layout editor, please note the DVI bus mode for each card has to be configured before it sees the cascaded windows.
- ARC20-22 ARC input and output format visualisation
- Common parameter dialog added
- Speed improvements, mainly effecting large systems or populated SynapseSimulators
- Mouse Scroll now works on the event grids
- Saves the selected control tab between card selection, also saves on exit
- Saves the alarm and device filter between card selection, also saves on exit
- Classic view now retains the expanded state of the object groups
- Improved the reliability of programming firmware to cards
- Allows a card to be re-booted
- Slot number added to the system tree
- Option added to prevent the control and monitoring tab being displayed (Classic view only)
- Event log columns can now be manually resized
- Now defaults to gathering ACP data from frames outside the sub-net, on the basis the local cache is not updated by the broadcasts.
- Backup files can now be imported into the Synapse Simulator to gain a more accurate simulation of card type, can also be used in place of the HTML, provides more information for 3rd party companies.
- Improved display on international (Chinese) windows versions
- Improved problem with the installation that prevented SQL Express being installed
- Now reflects Card error in the event log
- Manual view is off by default on new installations
- Progress bar displayed on closing application
- All status error/warnings now default to auto-acknowledged
- Default status severity import contains all supported card types.
- Display's control and monitoring GUI's on custom specials of card types.
- Context sensitive help added for the SCP08 configuration dialog
- Many corrections added for Synapse card GUI's

Software version 0101
Hardware version n/a
Platform Windows
Date 28-11-2007
Filename Cortex Installation 1V01.zip

- First release.
- Changes from Beta version
- All current production Synapse card types are supported with GUI Control and Monitoring dialogs.
- Backup and Restore, Copy and Paste all support storage of preset data
- SCP-08 panel configuration now incorporated
- Ability to configure cards from template files
- Monitoring and status of non-enumerated objects added
- Changes to control objects now can be viewed in event log
- Manual view is now separate view so can be moved away from control view
- Flashing of error/warning indications
- Identity objects added to edit details dialog
- Auto-assign of latest firmware added to programming dialog
- Programming dialog can be shown in card type order
- Firmware programming now checks product code mismatch

Software version 0003
Hardware version n/a
Platform Windows
Date 30-09-2007
Filename Cortex Installation 0V03.zip

- Beta release