

Release notes Windows

These release notes are applicable to the following modules:

- Cerebrum

Software version 01300
Hardware version n/a
Platform Windows
Date 27-06-2017
Filename Cerebrum 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
- Cerebrum redundancy, license and server status objects available to client
- Active Control interface connections shown in Cerebrum 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 Cerebrum 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.