

# PROTOCOLS AND USERS LISTS V2.01



This document describes which third party protocols are supported within Cerebrum for the Router Control and Generic Device options. The compatible devices are also listed per device type. Further down this document there's a list of customers which are currently using Cerebrum as their control and monitoring system.

## ROUTER CONTROL PROTOCOLS

Manufacturer	Protocol	Products	Mnemonic upload	Ethernet	Serial
AXON	Snell SW-P-08	SynCross	No	Yes	No
Blackmagic	Videohub Ethernet Protocol v2.3	Videohub	Yes	Yes	No
Calrec	Snell SW-P-08	Hydra2	Yes	Yes	No
ETL	ETL Remote Comms Protocol	NiGMa, Vulcan L Band Routers	Yes	Yes	No
Evertz	Quartz RCP-01	SC-1000, Topaz, Q16-256, Xenon, EQX, Magnum	Yes	Yes	Yes
Grass Valley	ES Switch	Jupiter controller	Yes	Yes	Yes
Grass Valley	Jupiter ASCII	Jupiter controller	No	No	Yes
Grass Valley	Native	SMS7000, Encore, Prelude, Concerto	Yes	Yes	Yes
Grass Valley	GV Triton	Grass Valley Triton	No	No	Yes
Grass Valley	NVision NV9000	NVision NV9000 Controllers	Yes	Yes	No
Grass Valley	NVision Router Control Protocol	NVision 5128, 7512, 8144, 8256, 8500 Routers	No	Yes	No
Grass Valley	NVision Router Control Protocol-C	NVision Compact Router	No	Yes	No
Grass Valley	Pro-Bel SW-P-02	Pyxis, Cygnus	No	Yes	Yes
Grass Valley	Pro-Bel SW-P-08	Aurora, Sirius, Vega, Orbit	Yes	Yes	Yes
Imagine	Leitch pass-through	Panacea, Integrator, Platinum	No	No	Yes
Imagine	Harris LRC	Platinum, IP3 Router, Magellan Controller	Yes	Yes	No
Kramer	Kramer 2K		No	No	Yes
Nevion	V128	VikinX	No	Yes	Yes
Novotronik	Novotronik MAS	Novotronik MAS	No	Yes	No
NTP	Dot	NTP Routers	No	Yes	Yes
Pesa	P1	PERC2000, 3500PRO	No	No	Yes
Pesa	P1N	PERC2000, 3500PRO	No	Yes	No
Ross	NK ASCII	NK	No	No	Yes
Ross	SW-P-08, GV Native	Ultrix	Yes	Yes	No
Sony	Cart/+/++	IXS-6700	No	No	Yes
Sony	NS-Bus	LSM	Yes	Yes	No
Stagetec	Nexus UDP	Nexus	No	Yes	No
Stagetec	Nexus V5	Nexus	No	No	Yes
Studer	Snell SW-P-02	Studer OnAir, Vista	No	No	Yes
Studer	Snell SW-P-08	Studer OnAir, Vista	No	Yes	Yes
Utah Scientific	RCP-1	SC-4 System Controller	No	Yes	Yes
Utah Scientific	RCP-3	SC-4, 40, 400 system Controllers, UDS routers	Yes	Yes	Yes

## DEVICE PROTOCOLS

Manufacturer	Protocol	Points	Products	Description	Ethernet	Serial
-	BACNet	5	BACNet compatible devices	Building control and monitoring	Yes	No
-	DMX / Art-Net	2	DMX compatible devices via Art-Net convertor (LSC NXS1)	Lighting control	Yes	No
-	Ember/Ember+	1,2 or 5	Ember/Ember+ compatible devices	Device control and routing	Yes	No
-	ICMP	0	Any network device	Network presence	Yes	No
-	MIDI (requires IP to MIDI server)	5	MIDI compatible devices	Control of MIDI devices	No	No
-	ModBus TCP/IP	5	Modbus compatible GPIO devices	GPIO control	Yes	No
-	NMOS IS-04/05	IP rout. license	NMOS compatible IP senders and receivers	IP end-point discovery and control	Yes	No
-	Python API	2	Any device	3rd party driver using Python script	Yes	Yes
-	Raw UDP/TCP/Serial comms	1	Any device	Low level comms	Yes	Yes
-	RestFul API	5	Generic RestFul API support	Generic control API	Yes	No
-	SNMP wrapped as a Generic Device	2	Any Device	Generic control API	Yes	No
-	SNMP	SNMP licence	SNMP compatible devices	Device monitoring and control	Yes	No
-	Wake on LAN (WOL)	2	Any Device	Power on	Yes	No
Adder	DDX API	5	AdderView DDX10, DDX30 KVM	KVM routing	Yes	No
Adder	AIM	5	AdderLink Infinity Manager	KVM routing	Yes	No
AETA	Scoop 5	5	Scoop 5 Codec	Audio Codec	Yes	No
AJA	VTECS Remote Control Protocol	5	FS1	Device control	Yes	No
AJA	AJA FS RestAPI	5	FS2,3,4	Device control and routing	Yes	No
Allen and Heath	iLive TCP/IP	5	iLive, dLive Audio Mixer	Device control and routing	Yes	No
Allen and Heath	Qu	5	Qu Audio Mixer	Device control and routing	Yes	No
Andrew	APC100	5	APC 100 Antenna Controller	Device Control	No	Yes
ApexSat	ModBus over IP	5	APS500 Dish positioner	Satellite Dish Positioner	Yes	No
Arkona/Lawo	vMatrix JSON API	5	vMatrix media network proc	Device control and routing	Yes	No
AppearTV	AppearTV SOAP XML API	5	XC5000 modular system	Limited Device control and routing	Yes	No
Axia	Livewire Routing (LWRP)	5	Axia Livewire compatible devices	Audio Routing	Yes	No
Axia	Livewire Control (LWCP)	5	Axia Livewire compatible devices	Audio device control	Yes	No
Audinate	Dante	10	Audinate Dante compatible devices	Audio routing	Yes	No
AVIWEST	Streamhub Rest API	5	Streamhub	Device Control	Yes	No
Barco	FSN-150 Controller Protocol	5	FSN-1400 Presentation processor	Preset recall	Yes	No
Blackbox	ACX API	5	Blackbox ACXxxx KVM	KVM routing	Yes	No
Blackmagic	ATEM	5	ATEM switcher	Routing, tally, device control	Yes	No
Blackmagic	HyperDeck	5	HyperDeck server	Transport control, status	Yes	No
Blackmagic	Multiview	1	Multiview	Routing and labels	Yes	No
Blackmagic	Teranex	5	Teranex video processor	Device control	Yes	No
Calrec	Ember+	5	Apollo, Artemis, Hydra2	vGPIO control	Yes	No
Calrec	Serial Control Protocol	5	Apollo, Artemis, Hydra2	Device, Fader control	Yes	No
Cisco	vDCM API	10	vDCM	Stream switching, monitoring	Yes	No
ClearCom	HCI protocol	10	Eclipse	Full Intercom integration	Yes	No
DAD	DAD AX32	5	AX32 Audio Router	Routing and device control	Yes	No
DHD	DHD external control protocol	5	XR/XS/XC/XD Audio Router	Routing and snapshots	Yes	No
DHD	Ember+	5	DHD 52CX Audio Router	Routing and device control	Yes	No
DirectOut	Montone .42	5	Audio routing	Audio stream subscription and routing	Yes	No
ETC	EOS	5	EOS Lighting desk	Lighting control	Yes	No
ETC	Unison	5	Unison Paradigm lighting controller	Lighting control	Yes	No
Evertz	Symphony	5	VIP, MVP	Layout changes	Yes	No

## DEVICE PROTOCOLS (CONTINUED)

Manufacturer	Protocol	Points	Products	Description	Ethernet	Serial
Evertz	M-2100 protocol	5	Axon MCS, Quartz QMC	MC control	Yes	Yes
Evertz	RCP-S7 protocol	5	Quartz / Evertz limited hardware panels (CP-1000/2048/3201E)	Hardware Panel control	Yes	Yes
EVS	EVS DYVI PixTally	5	EVS DYVI Switcher	Switcher Tally	Yes	No
EVS	Ember+	5	EVS DYVI Swticher	Routing, IP Routing, mnemonics and general control	Yes	No
EVS	Ember+	5	EVS XT VIA	IP Routing	Yes	No
EVS	LinX API	5	EVS XT / XT-Via	Configuration, Transport control, clips and timelines	Yes	No
EVS	Overcam	5	EVS Overcam	Control	Yes	No
EVS	BFE Tally Link	2	EVS X ONE Server	Tally and Source names	Yes	No
For-A	HVS Tally	2	HVS / Hanabi switcher	Switcher tally	Yes	No
For-A	Editor protocol	5	HVS / Hanabi switcher	Editor protocol	No	Yes
For-A	FA-1010 Contol	5	FA1010 Video Processor	Device control	Yes	No
Gefen	ExtCuLan	2	EXT-CU-LAN Matrix Controller	KVM routing	Yes	No
Gefen	GTB-HD	2	GTB-HD Series HDMI Matrix	HDMI routing	Yes	No
Gefen	Gefen EXT-CU-LAN	5	EXT-DVIKVM-LANRX	KVM routing	Yes	No
Gigawave	Gigawave DCP	2	Bosch Metal Mickey Camera	Camera control / no tally	No	Yes
GlobalCache	Itach IP2IR	2	Infrared Emitter	Control of IR devices	Yes	No
Grass Valley	ACOS	5	Kayak	Tally	Yes	Yes
Grass Valley	Advanced Media Protocol (AMP)	5	K2 Servers	Server Control	Yes	No
Grass Valley	DD35-Net	5	Kayak	Control and Tally	Yes	No
Grass Valley	GVG-100	5	Grass Valley Switchers	Editor protocol	No	Yes
Grass Valley	GV Serial Tally	5	Kalypso, Zodiac	Serial Tally	No	Yes
Grass Valley	GV Editor	5	Kalypso, Zodiac	Control	No	Yes
Grass Valley (Miranda)	iControl Gateway Services	5	Densite modular	Device control and limited monitoring	Yes	No
Grass Valley (Miranda)	Kaleido	2	Kaleido M/V's	UMD, Tally and Layout	Yes	No
Grass Valley	Kayenne Contribution Tally	5	Kayenne	Serial Tally	No	Yes
Grass Valley	K-Frame CPL	5	K-Frame	IP IO Control, EMEM, MACRO, Keyers	Yes	No
Grass Valley	K-Frame Ethernet Tally	5	K Frame	Tally only	Yes	No
Grass Valley	LDK Gateway	5	LDK Gateway camera network	Camera control RCP routing and Tally	Yes	No
Grass Valley	M-2100 Automation	5	M-2100	Control	No	Yes
Grass Valley	M-2100 Tally	5	M-2100	Tally	No	Yes
Grass Valley	MPK	5	GV UMDs (RP1/2/3) - not panels!	UMD and Tally	No	Yes
Grass Valley (Miranda)	NVision hardware panel protocol	5 per panel	NV9640, 9640A, 9641A, 9642 9654	Hardware Panel control	Yes	No
Grass Valley (Miranda)	Oxtel Automation Protocol	5	Imagestore i7500, LDK-3901, DSK-3901	Device control	Yes	No
Guntermann & Drunk	CatCenter NEO	5	CatCenter NEO	KVM routing	Yes	No
Harmonic	Oxtel Automation	5	ChannelPort	Device control	Yes	No
Harmonic	SpectrumXe SOAP API	5	SpectrumXE	Start/Stop playlist primary overlay	Yes	No
Harmonic	Fuze 1 SOAP API	2	Fuze	Input switch tally	Yes	No
IHSE	Blackbox ACX API	5	Draco Tera KVM	KVM routing	Yes	No
Image Video	Image Video UMD	2	Image Video UMD's	UMD/Tally	No	Yes
Imagine Comm.	VDCP	5	Servers	Server transport control	Yes	Yes
Imagine Comm.	CCS Protocol	1 - 10	X50, X75, X100, Selenio, 6800+, IP3	Device control and monitoring. Points dependant on #objects	Yes	No
Imagine Comm.	Rest API	5	SNP	Control/monitoring	Yes	No
JLCooper	eBox	2	eBox	GPIO in/out	Yes	No
JLCooper	FaderMaster	2	FaderMaster 4/100, 8/100 and Eclipse MX Midnight	Control Surface	Yes	Yes
JVC	PS-4XX monitor	1	JVC ProVerite PS-420W, 470W monitor	Power/Input Selection	No	Yes
JVC	GM-5XX monitor	1	JVC GM-552, DTVxxG monitors	Power/Input Selection	No	Yes

## GENERIC DEVICE PROTOCOLS (CONTINUED)

Manufacturer	Protocol	Points	Products	Description	Ethernet	Serial
Lawo	Remote MNOPL	5	MC <sup>2</sup>	Audio Console Routing, control and meters	Yes	No
Lawo	Ember+	5	V Pro 8	Routing and settings	Yes	No
Masterplay	Remote Text prot.	5	OnAir server	Server transport control	Yes	No
Media Excel	HMS SOAP API	5	Hero Management System	Device control	Yes	No
NEC	External Control P Series	1	P series Monitors	Power/Input Selection	No	Yes
Nevion	Virtuoso RestAPI v1	5	Virtuoso	IP Routing, control, status	Yes	No
NewTek	NDI Routing	5	n/a	Virtual NDI Router	Yes	No
Panasonic	AV-HS450 Interface	5	AV-HS450 Switcher	Switcher routing and tally	Yes	No
Panasonic	AV-HS7300 Interface	5	AV-HS7300 Switcher	Switcher routing and tally	Yes	No
Panasonic	HD Integrated Camera interface	5	AW-HE40,HE42,HE50,HE60,HE70,UE70,HE120,HE130,UE150 cams	PTZ control	Yes	No
Panasonic	Remote Camera Control Interface	2	AW-RP50, AW-RP120, AW-RP150	Camera, Group, Port Selection	Yes	No
Panasonic	HD intergr. camera server interface	5	AW-RP50, AW-RP120, AW-RP150	Camera control re-direction/routing	Yes	No
Panasonic	PTZ Camera interface	5	AW-RP50, AW-RP120	Camera control routing	Yes	No
Penta	RCP-1806	1	HD2LinePro	Tally/UMD	Yes	No
Plura	Timer Request Prot.	5	Plura SPT	Studio Timer control/status	Yes	No
Pro-Bel	SW-P-06	5	Pro-bel BPS hardware panels	Hardware panel control	No	Yes
Pro-Bel	SW-P15	2	Serial Cues	Bi-directional Tally	Yes	Yes
Pro-Bel	SW-P-100	5	Automation	Scheduled event notification	Yes	No
Quintech	QEC	5	Quintech QRM	Routing	Yes	No
Research Concepts	RC-2000A	5	RC2000A Dual Axis Antenne controller	Device control	No	Yes
RGB Spectrum	Mediawall 1900	1	Mediawall 1900	Control	Yes	No
Riedel	RRCS	10	Artist	Control	Yes	No
Riedel	Ember+	5	MediorNet	Control and routing	Yes	No
Riedel	Muon Rest API (Embrionix emSFP Rest)	2	MuON (Encap/Decap)	Control and routing	Yes	No
Riedel	Connect Trio Command	5	Connect Trio	ISDN Control	Yes	No
Rohde and Schwarz	SCPI	2	FSL3 Spectrum analyser	Device control	Yes	No
Ross	Combined RossTalk and TSLv5	5	Acuity	Switcher Routing / Tally / UMD / Key Control etc.	Yes	No
Ross	Combined RossTalk and TSLv3.1	5	Carbonite, Carbonite Black, Ultra	Switcher Routing / Tally / UMD / Key Control etc.	Yes	No
Ross	GVG-100	5	Acuity, Carbonite	Editor protocol	No	Yes
Ross	Xpression RossTalk	2	Xpression	Command Proctcl - no status	Yes	No
Ross	openGear	10	openGear compatible products	Device control	Yes	No
Rotronics	Rotronics CF2000	5	CF2000	GPIO control, status	Yes	No
RTS/Telex	AZEdit	10	RTS Cronus, Zeus, Adam	Intercom control	Yes	No
SDNsquare	GRID RestAPI	150	SDNsquare GRID	Control/status of SDN layer	Yes	No
Shotoku	T Computer Automation Remote Control	5	TR-XT	Remote Camera control	Yes	No
Skaarhoj	Skaarhoj RAW	5	Skaarhoj hardware panels (Fly Uno, RCPV2, Micro audio)	Hardware panel control	Yes	No
Sky	Remote control	2	Sky Q Box	Remote control, channel selection	Yes	No

## DEVICE PROTOCOLS (CONTINUED)

Manufacturer	Protocol	Points	Products	Description	Ethernet	Serial
Snell	Kahuna K360 Tally Protocol / TSL V3.1	5	Snell Kahuna switcher	Combined Tally, UMD	Yes	No
Snell	Kahuna K360 Macro	1	Snell Kahuna switcher	Macro recall	Yes	No
Snell	RollCall	2 or 10	IQ, Siruis Hybrid routers, Kudos	Generic Snell protocol	Yes	No
Sonifex	DHY04	5	DHY04 TBU	Device control	Yes	No
Sony	9-pin	5	Blackmagic Hyperdeck, Sony BVS3000, etc	VTR transport control	No	Yes
Sony	MVS X Serial Tally	5	MVS-7000X/8000X	Serial Tally	No	Yes
Sony	MVS Serial Tally	5	MVS-8000,DVS-9000 (DCU)	Serial Tally	No	Yes
Sony	XVS Serial Tally	5	XVS-6000/7000	Switcher Tally, Bus control, Panel mnemonics	Yes	Yes
Sony	MVS RS-422A	5	MVS-8000,DVS-9000 (Gen.)	Serial Tally	No	Yes
Sony	VISCA	5	BRC H700, Z700	PTZ Camera control	Yes	Yes (multi-drop)
Sony	PVM-2541 Interface E	1	BVM/PVM Monitors	Monitor Power	Yes	No
Stagetex	Nexus UDP	5	Audio processor	Routing and DSP control	Yes	No
TAG	MCM9000 SOAP API v2, v4	5	MCM9000 Multiviewer	Monitoring Statistics, IP routing, control	Yes	No
TC Electronic	D22 Remote Control	1	D22 Broadcast Delay	Preset, delay, bypass control	No	Yes
Technolution	SigmaXG API	40	SigmaXG	KVM routing	Yes	No
Tektronix	Prism API	5	Prism	Device Control	Yes	No
Trilogy	Ember+	5	Gemini Intercom	Intercom control	Yes	No
TSL/Axon	TallyLink-V3 (Tx/Rx) TSL UMD V3.1	2	Cerebrum, third party control systems	Bi directional exchange of UMD/Tally systems	Yes	Yes
TSL/Axon	TallyLink-V5 (Tx/Rx) TSL UMD V5	2	Cerebrum, third party control systems	Bi directional exchange of UMD/Tally systems	Yes	No
TSL/Axon	GPIOLink (Tx/Rx) TSL UMD V5	1	Cerebrum, third party control systems	Bi-directional exchange of Tally only	Yes	No
TSL	TSL UMD V3.1/V4.0	1 or 2	TSL UMDs	UMD and tally	Yes	Yes
TSL	TSL UMD V5	2	Axon HQW/MGG, TSL, GV KX/MX, Evertz VIP/MVP	UMD and tally	Yes	No
VisLink	Diversity Control Remote Protocol	5	Diversity	Device control	Yes	No
VisLink	MVL-HD2 Receiver	5	MVL-HD2 Receiver	Device control	Yes	No
VisLink	MVL-HD2 Tx Protocol	5	MVL-HD2 Transmitter	Device control	Yes	No
VizRT	Pb Listener	2	Media Sequencer	Simple macro (load/start/stop) control	Yes	No
VizRT	MSE RestAPI	5	Media Sequencer	Graphics playlists, selection control / status	Yes	No
Vutrix	Vutrix Network	1	Vutrix monitors/Quad splits	UMD/Tally input source	Yes	No
Wohler	iAM API	3	iAM monitor	Preset recall	Yes	No
Yamaha	MIDI (requires IP to MIDI device server)	5	DM-1000	Device control	No	No

## GENERIC DEVICE PROTOCOLS BY DEVICE TYPE

<b>Antenne Controllers</b>	<b>Hardware Panels</b>	<b>Modular Products</b>
Andrew APC100	Evertz Panels (using -S7)	AppearTV NX5000
ApexSat APS500	NVision Panels	GV Densite (via iControl)
Research Concepts RC8000A	Pro-Bel Panel protocol SW-P-05/6 for BPS panels	GV/Snell IQ (via RollCall)
<b>Audio mixers</b>	JLCooper Fadermaster 4, 8/100, Eclipse MX	Imagine 6800+, Selenio, SNP (via CCS)
Allen and Heath DLive audio console	Skaarhoj Fly Uno, RCPV2, Micro audio	Ross OpenGear
Allen and Heath iLive audio console	<b>ISDN/Codec</b>	<b>Monitors</b>
Allen and Heath Qu audio console	AETA Scoop5	JVC
Calrec Apollo, Artemix, Hydra2	Riedel Connect Trio protocol	NEC
DHD 52XC/XR/XS/XD	<b>Interface control</b>	Penta
Lawo Nova, MC <sup>2</sup>	Grass Valley iControl Gateway/Densité	Sony BVM/PVM
Stagetec Nexus Routing/DSP control	Riedel MediorNet	Vutrix, Vutrix Quad
Studer OnAir 1500/3000 (Ember)	Ross OpenGear	<b>Multiviewers</b>
Studer Vista (Ember)	Snell Roll Call	Blackmagic Multiview
Yamaha DM1000 (over MIDI)	<b>Intercom</b>	Evertz VIP, MVP
<b>Audio Monitoring</b>	Clearcom Eclipse	GV/Miranda Kaleido (presets / UMD)
Wohler iAM	Riedel Artist RRCS protocol	RGB Spectrum Mediawall (Input)
<b>Audio processing</b>	RTS Cronus, Zeus, Adam	TAG MCM9000 Control/Monitoring
Axia Livewire	Trilogy Gemini (Ember protocol)	<b>Protocols</b>
Audinate Dante	<b>KVM switches</b>	Ember/Ember+
DAD AX32	Adder Infinity KVM Switch AIM	ICMP for simple ping devices
Lawo V Pro 8	Adderview DDX10,30	MIDI
TC Electronics D22 Delay unit	Blackbox ACX	ModBus TCP/IP
<b>Automation</b>	Gefen EXT-CU-LAN	'Raw' UDP/TCP/Serial for 'simple' devices
Snell PBAK	IHSE Draco Tera	RestFul API
<b>Building management</b>	Guntermann & Drunck KVM Switch	Wake on LAN (WoL)
BACnet	Technolution SigmaCP	<b>Routers</b>
<b>Camera control</b>	<b>Lighting</b>	DirectOut Montone .42
Gigawave camera control protocol	Art-Net (DMX512) lighting	Gefen GTB-HD HDMI Matrix
Grass Valley LDK Gateway	ETC EOS Lighting console	Riedel MediorNet
Panasonic AW-RP450, RP120 Controller	<b>Master Control</b>	Quintech QRM
Panasonic AW-HE Cameras	Axon MCS	<b>Servers/VTRs</b>
Shotoku Remote Camera Control	Evertz EMC, Quartz QMC	Atomos Shogun Studio
Sony VISCA Camera protocol	Grass Valley Imagestore IS750	Blackmagic Hyperdeck
<b>CiaB</b>	Grass Valley M-2100 control and tally protocol	Grass Valley AMP
Harmonic Fuze-1	<b>Microwave Transmission</b>	Imagine VDCP protocol
<b>GPIO</b>	VisLink Diversity	Masterplay OnAir
Axon CGP-4848	VisLink MVL-HD2 TX/Rx	Media Excel Hero
JLCooper eBox		Sony 9 pin protocol
Rotronics CF2000		
<b>Graphics Engines</b>		
Ross Xpression		

## DEVICE PROTOCOLS BY DEVICE TYPE (CONTINUED)

Set Top Box	Test Instruments
Sky Q Receiver	Tektronix Prism
Studio Timers	Rohde Schwarz FSL3 Spectrum Analyser
Plura SPT	UMD/Tally
Switchers	Pro-Bel SW-P-15 Serial cue protocol
Blackmagic ATEM	Grass Valley RP 1/2/3 - MPK
EVS DYVI	Image Video UMD
For-A Hanabi tally and editor protocol	Tally link protocol (based on TSL V3.1)
Grass Valley Kaleido remote control protocol	TSL UMD protocol V3.1, V4 and V5
Grass Valley K Frame Tally and control protocols	Video Processors
Grass Valley Kayak DD35-Net	AJA FS1,2,3,4
Grass Valley Karrera, Kayenne, Zodiak Tally	Arkona / Lawo vMatrix
Grass Valley (Snell) Kahuna, Kula	Barco FSN-1400
Panasonic AV-HS450	Blackmagic Teranex
Ross Acuity, Carbonite (Normal, Black, Ultra)	Cisco vDCM
Ross Vision Switchers (GV Serial contribution Tally)	For-A FA1010
Sony MVS/DVS/XVS switcher Tally/editor protocol	Imagine SNP
TBU	Lawo vPro8
Sonifex DHY-04	Nevion Virtuoso

## CEREBRUM USER LIST

Customer	Country	Customer	Country
VIDITEC SA	Argentina	Rede (TV) Globo	Brazil
Sky News Australia	Australia	Applied Electronics Limited	Canada
Sony Australia	Australia	Chile Film	Chile
TRP Thoroughbred Racing Productions	Australia	Sports Lotteries Studio and Production Cente	China
Government of Bahrain, NSA	Bahrain	China Sports Media	China
Cofely Fabricom SA/NV	Belgium	Fuzhou TV	China
DigiNet NV/SA	Belgium	Haikou TV	China
EMG Pool bvba	Belgium	Hebei TV Station	China
Europese Commissie	Belgium	Hefei TV Station	China
Imagineering TV	Belgium	Hubei TV Station	China
Kanakna Production NV	Belgium	Jiangxi TV Station	China
KU Leuven	Belgium	Liaoning TV station	China
Tafelrond N.V.	Belgium	PLA TV Center	China
Videohouse Television Facilities	Belgium	Quanzhou TV	China
Vlaamse Radio- en Televisieomroep (VRT)	Belgium	Shaanxi TV Station	China
EPTV Campinas	Brazil	Shandong TV Station	China
Line Up Comércio de Eletrônicos e Represent.	Brazil	Shanghai Education TV Station (SETV)	China
RBS Participacoes	Brazil	Shuozhou TV Station	China

## CEREBRUM USER LIST (CONTINUED)

Customer	Country	Customer	Country
VSPN	China	Emma TV	Netherlands
Yunnan TV Station	China	Erasmus MC	Netherlands
Zhejiang TV	China	Erasmus Universiteit	Netherlands
Ceská televise (Czech TV)	Czech Republic	Inter Visual Systems	Netherlands
RECKORD	Czech Republic	KLPD Korps Landelijke Politiediensten	Netherlands
Government Ministerio de Educacion	Ecuador	L1 TV	Netherlands
Yleisradio OY (YLE)	Finland	NEP Broadcast Services bv	Netherlands
ALP	France	NEP Media Solutions B.V.	Netherlands
CFRT - Le Jour Du Seigneur	France	NOS Hilversum	Netherlands
Euromedia France	France	Omroep Gelderland	Netherlands
France 24	France	Omrop Fryslan	Netherlands
France Televisions Le Ponant	France	Red Bee Media B.V.	Netherlands
France Televisions S.A.	France	RTV Noord-Holland	Netherlands
Metropole Television (M6)	France	RTV Rijnmond	Netherlands
NextRadio TV	France	Stichting Nationale Opera & Ballet	Netherlands
NRJ Audio	France	Stichting RTV Noord	Netherlands
PMU-Equidia	France	Talpa TV	Netherlands
Red Bee Media France	France	Tweede Kamer der Staten Generaal	Netherlands
SALT TLM	France	United B.V.	Netherlands
Société d'Édition de Canal Plus	France	VIMN Netherlands B.V. (former MTV Networks)	Netherlands
TF1	France	TVNZ	New Zealand
Berlin Philharmonie	Germany	TV2 Norway	Norway
Landtag Mecklenburg Vorpommern	Germany	GMA Network Inc	Philippines
NDR Norddeutscher Rundfunk	Germany	Canal+ Cyfrowy Sp. z .o.o	Poland
Riedel Communications GmbH & Co. KG	Germany	Telewizja POLSAT S.A.	Poland
RUV Ríkisutvarpið	Iceland	TVP (Telewizja Polska)	Poland
ABP News Network Pvt. Ltd.	India	NOS Lusomundo Audiovisuais, SA	Portugal
PT Media Televisi Indonesia (Metro TV)	Indonesia	Sociedade Independente de Comunicacao	Portugal
Surya Citra Televisi (SCTV)	Indonesia	Al Rayyan for Media & Marketing Co	Qatar
Broadcast Video Services (BVS)	Ireland	RomTek Electronics S.R.L.	Romania
RTÉ Transmission Network Limited	Ireland	Academy	Russia
TG4	Ireland	ANO Sports Broadcasting.	Russia
VMTV	Ireland	ZAO Glosun	Russia
Technohouse, Inc.	Japan	I.S.P.A.-SAT	Russia
Totsu International Co., Ltd	Japan	TTC Ostankino	Russia
Prezident teleradiokompleks	Kazakhstan	TVC Moscow	Russia
Future TV	Lebanon	Eurovision	Singapore
Cedar Broadcast & Communications Sdn Bhd	Malaysia	MediaCorp Technologies	Singapore
Media City Development Sdn. Bhd.	Malaysia	PTL Communications Private Ltd	Singapore
RTM	Malaysia	Star Hub Ltd,	Singapore
ESPN Mexico	Mexico	Digi Slovakia, s.r.o.	Slovakia
AA Media Group	Netherlands	e.tv	South Africa
AVROTROS	Netherlands	Inala Broadcast (Pty) Ltd	South Africa
Broadcast Rental	Netherlands	SABC Limited	South Africa
Digital & Media Solutions B.V. (D&MS)	Netherlands	Sasani Studios	South Africa
Digital Media Centre B.V.	Netherlands	KCA	South-Korea



## CEREBRUM USER LIST (CONTINUED)

Customer	Country
Money Today	South-Korea
Public TV Home Shopping	South-Korea
Canal Sur Television	Spain
Itelazpi	Spain
Telefonica de Espana, S.A.U.	Spain
Sony Sverige	Sweden
Sveriges Television AB (SVT)	Sweden
LPR Productions SA	Switzerland
Channel 3 Thailand	Thailand
Goldenduck International Co.,Ltd.	Thailand
MCOT Public Company Ltd	Thailand
PPTV Thailand	Thailand
The Government Public Relations Department (NBT)	Thailand
Ozkan Produksiyon	Turkey
TRT	Turkey
MBC FZ LLC	UAE
Sony Professional Solutions MEA-FZ LLC	UAE
Abbey Road Studios	United Kingdom
Al Shirkatul Islamiyyah	United Kingdom
Arqiva	United Kingdom
ATG Danmon Ltd	United Kingdom
BBC	United Kingdom
Bellinghat Systems	United Kingdom
Bloomberg Multimedia	United Kingdom
BT Broadcast Services	United Kingdom
CBS News Broadcast Centre Euro	United Kingdom
Cloudbass Ltd	United Kingdom
CTV Outside Broadcasts	United Kingdom
dB Broadcast Ltd	United Kingdom
Dega Broadcast Systems	United Kingdom
Encompass Digital Media Ltd	United Kingdom
Fidelity International Group	United Kingdom
Formula One Management Ltd	United Kingdom
Gearhouse Broadcast Ltd	United Kingdom
Gravity Media Group	United Kingdom
Hayfisher	United Kingdom
Houses of Parliament	United Kingdom
IMG Media Limited	United Kingdom
Independent Project Engineering Ltd (IPE)	United Kingdom
Input Media	United Kingdom
ITN	United Kingdom
ITV PLC	United Kingdom
Modern Times Group MTG Ltd	United Kingdom
Multilink Broadcast Ltd	United Kingdom
NEP UK Limited	United Kingdom
News UK & Ireland Ltd	United Kingdom

Customer	Country
Peel Media Studios Limited	United Kingdom
Perform Media Services Ltd	United Kingdom
Red Bee Media Ltd (Ericsson)	United Kingdom
Riverside Studios	United Kingdom
S4C	United Kingdom
Sky UK Limited	United Kingdom
SSVC Services Sound & Vision Corporation (BFBS)	United Kingdom
STV Central Limited	United Kingdom
Television Systems Ltd (TSL)	United Kingdom
Timeline Television Ltd	United Kingdom
Universal Pictures	United Kingdom
Videlio Media Limited	United Kingdom
VIMN U.K. Ltd	United Kingdom
Cleveland Clinics	USA
Legislative Data Center	USA
TMC Hendersonville	USA
Trinity Broadcasting Network (TBN)	USA
U.S. Department of State	USA
WWNY	USA
QNET	Vietnam



“Multi-skilling is at the heart of ITV’s approach to News production and with Cerebrum control, you don’t need to be a technical expert to run the system. It simplifies the process with a powerful logic that shields the operator from complexity and gives them the freedom to focus on the content. Cerebrum has streamlined the whole process significantly so that tasks can be done in less time and that’s given our operators a greater degree of confidence.

**Steve Teague**

Head of Technical Services  
ITV



“Cerebrum provides both power and flexibility and scales effectively to allow multiple users on the system. It simplifies our workflow by minimizing engineering bottlenecks and is easy to configure at speed. In a fast-paced production environment, familiarity and ease-of-use for our skilled operators is critical. This is where Cerebrum comes into its own. It gives us a really simple user-friendly graphical interface that enables the crew to get their heads around the workflow, to customize it and quickly preconfigure a show file to be pulled up later. They can get to work and focus on the production, without concern for the complex and changing technology layer underneath.”

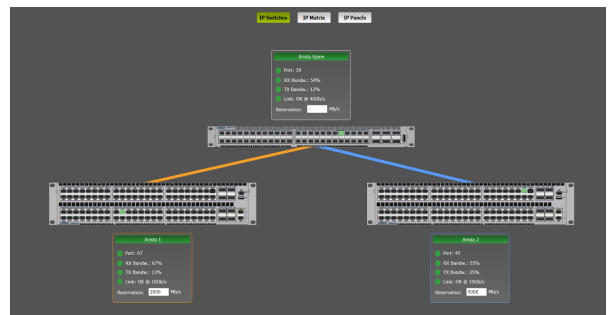
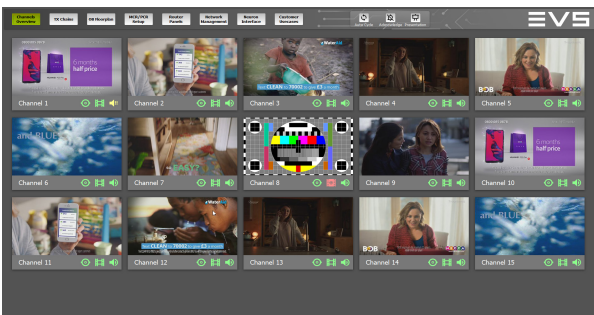
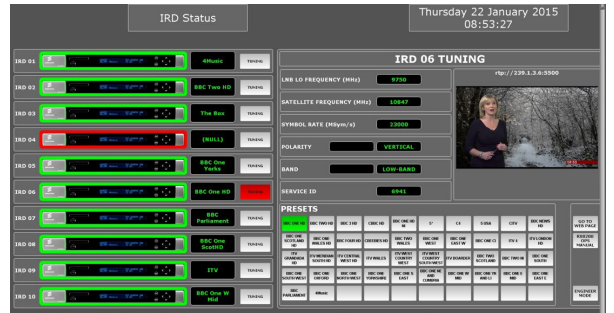
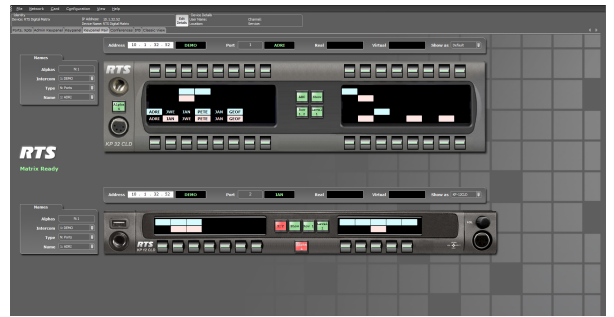
**Gareth Phillips**

Head of Vision and VT  
NEP UK

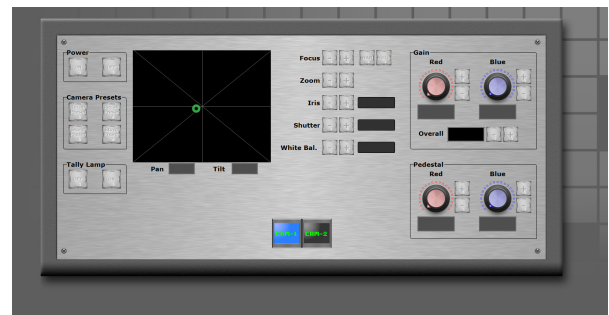
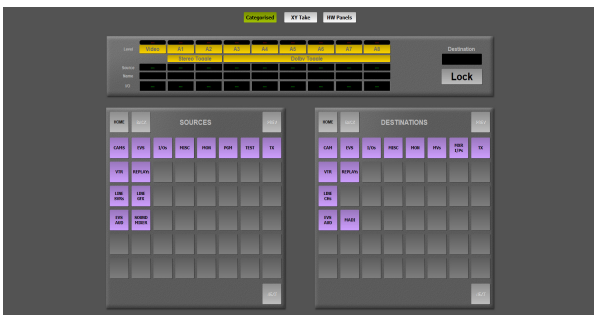
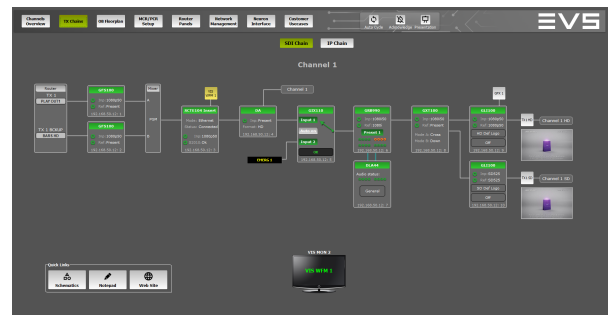
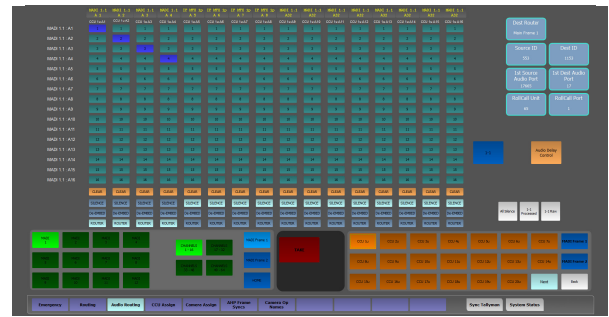
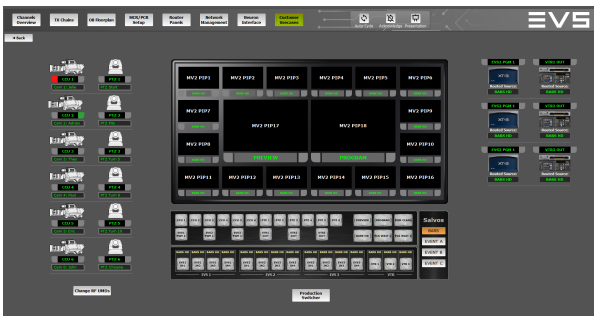
“Without Cerebrum we would have to be using 10 to 15 different control systems and equipment to achieve the same end results. With Cerebrum we have it all centralized in one system which makes doing the job so much easier and quicker. When it comes to controlling for instance our Synapse frames, our router, the vision mixer, multiviewers or our sound desk, we can do all of that from Cerebrum.”

**Quinn Cowper**  
Head of Vision  
Timeline Television





# CEREBRUM. CONTROL. YOUR WAY.



## WHY EVS?

EVS is globally recognized as the leader in live video technology for broadcast and new media productions. Our passion and purpose are to help our clients craft immersive stories that trigger the best return on emotion. Through a wide range of products and solutions, we deliver the most gripping live sports images, buzzing entertainment shows and breaking new content to millions of viewers every day - and in real-time.

March 2021



To learn more about EVS go to [www.evs.com](http://www.evs.com)

