

Evertz Third–Party Device Support

Master reference for Evertz products and support for third–party products



MAGNUM

Evertz Third–Party Support:

- MAGNUM is the frontrunner in third–party control
- MAGNUM has an extensive library of API control
- MAGNUM has extensive support for industry standards

Evertz is the broadcast industry leader in third–party support. Battle–tested and field–proven, MAGNUM is the most used broadcast controller in the industry — every MAGNUM project has third–party devices and/or routers! MAGNUM's extensive third–party support library enables operators to be more efficient in their day–to–day workflow, and we are pleased to say the supported list grows every day!

Not only does Evertz support hundreds of devices via API control directly, MAGNUM is the flagship of NMOS controllers and registrars. Any NMOS–compliant device will be able to be controlled by MAGNUM.

Evertz has years of experience working with end users, integrators, and third–party vendors to execute a robust and elegant control solution. Let us set the record straight — MAGNUM gives you the greatest control of third–party devices.

MAGNUM leads the industry in third–party control

MAGNUM's third–party control:

- 1000+ satisfied customers using MAGNUM's third–party control
- 20+ years of working with third–party vendors and customers to provide powerful and flexible solutions
- Quality of control unparalleled
 - » Dedicated R&D and Deployment staff for third–party support

THIRD–PARTY PRODUCTS	FEATURES
SDI Routers	I/O routing Salvos Names transfer Serial or IP Multiple protocols Custom router–panel profiles
Graphics Engine	Cue, play, jog and shuttle clips Port selection Clip alias name change
Monitor Tools (WFM)	Tuning Control
Cameras	On/off Pan/tilt/zoom PTZ presets Focus PTZ speed settings

THIRD–PARTY PRODUCTS	FEATURES
IP Routers/Switches	Multicast tuning Salvos Telemetry Analytics Supports 'Break Before Make' and 'Make Before Break' Custom router–panel profiles
Encoders/Decoders/Transcoders	Tuning Parametric control
Projectors and Displays	On/off Mute and volume Source select
Multiviewers	

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MAGNUM–OS has an expansive library of API/direct control

- MAGNUM–OS has wide range of control capabilities for third–party devices:
 - » Hundreds of unique devices
 - » 100+ different manufacturers
 - » 100+ different protocols
- MAGNUM–OS can make many different types of calls:
 - » MAGNUM–SCHEDULER (for scheduling commands to occur at a later point)
 - » MAGNUM–REFLEX (for triggering commands to occur based on a sensor)
 - » MAGNUM–DEVICE LAYER (for parametric control)
 - » MAGNUM–ROUTER (for tuning devices and routers)
 - » MAGNUM–NMS (for monitoring devices)
 - » MAGNUM–ANALYTICS (for extracting & visualizing data/trends)
- MAGNUM's varied and multi–facet approach provides unmatched third–party support

Evertz and MAGNUM–OS are top of the pack for industry standardization

- MAGNUM has extensive support for industry standards:
 - » Evertz is one of the earliest adaptors of NMOS and to date has the most installs with NMOS–compliant devices
- All major routing protocols supported (GV/Nvision/Cisco/Arista/more)
- Supports installs that have 'best of breed' methodology for system architecture:
 - » Some installs with over 800 controlled third–party devices
- See https://specs.amwa.tv/nmos/branches/main/docs/NMOS_Solutions.html for list of devices that support NMOS

Conclusion

- MAGNUM provides the most control over third–party devices
 - » Lots of third–party devices to choose from
 - » Many different ways to actually control the device
 - » Satisfied 1000+ customers to date!

PRODUCT	DESCRIPTION
7700R–SC–BRC	Physical translator card for control of third party routers
7700PTX	Physical translator card for control of third party switchers
NMOS–SK	License key to add new NMOS device
SK–XPRESSION	Licence key to control Ross Xpression
SK–AMP–PROTOCOL	License key to unlock AMP communication

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IP Switches

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
Arista	GNMI, MCS	IP Router	LAN	Control and telemetry
Cisco	NBM Passive	IP Router	LAN	Control and telemetry

Multiviewers

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
TAG	TAG	Multi Format MV	LAN + Serial	Control

Displays

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
Samsung	Series: • DB32E, DB40E, DB48E, DB55E • DM32E, DM40E, DM48E, DM55E, DM65E, DM75E • DH40E, DH48E, DH55E Specific models: • LH32DBEPLGA	Flat Panel	LAN	Control
Samsung	DE-46A	Flat Panel	LAN	Control
Samsung	MD-40C	Flat Panel	LAN	Control
Samsung	ME-46A	Flat Panel	LAN	Control
Samsung	ME-46B	Flat Panel	LAN	Control
Samsung	UN-65C7000	Flat Panel	LAN	Control
Samsung	PMF	Flat Panel	LAN	Control
Samsung	MDC	Flat Panel	LAN	Control
NEC	P402	Flat Panel	LAN/RS-232	Control
NEC	P552, P555	Flat Panel	LAN	Control
Planar	Clarity Matrix	Flat Panel	LAN	Control
Planar	EP Series	Flat Panel	IR*	Control

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Displays (continued)

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
Planar	PS7050	LCD Display	RS-232	Control
Planar	UltraLux Series	Flat Panel	IR*	Control
Planar	UR8451-MX-ERO-T	Flat Panel	LAN	Control
Panasonic	TH-42LFE7U	Flat Panel	IR*	Control
Sharp	LC70LE660U4	Flat Panel	LAN	Control
Sharp	LC43LE653U	Flat Panel	LAN	Control
Sharp	LC90LE657U	Flat Panel	LAN	Control
Sharp	LC46LE832U	Flat Panel	LAN	Control
Marshall	NCB2010	Monitor Controller	LAN	Control
LG	UH Series	Flat Panel	LAN/RS-232	Control
LG	LF6300	Flat Panel	IR*	Control
Sony	Series (2014 and later): - FWD series - KDL series - XBR series Specific models: - FWD65X750D - FWD55X850D - FWD49X800D - FWD40W600B	Flat Panel	LAN	Control
Sony	Pro Bravia	Flat Panel		Control
Soltech	RET Series	Retractable Monitor	IR*	Control

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Cameras

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS–232)	DESCRIPTION
Panasonic	AW–HE130	PTZ Camera	LAN	Control
Panasonic	AW–HE40	PTZ Camera	LAN	Control
Panasonic	AW–HE50	PTZ Camera	LAN*	Control
Panasonic	AW–HE120	PTZ Camera	LAN*	Control
Panasonic	AW–HE60	PTZ Camera	LAN*	Control
Panasonic	AW–HE65	PTZ Camera	LAN*	Control
Panasonic	AW–HE70	PTZ Camera	LAN*	Control
Amcrest	PRO_HD IP2M–841W	PTZ Camera	LAN	Control
Sony	EV–H100S/V	PTZ Camera	Serial	Control
Sony	SRG–X400	PTZ Camera	LAN + Serial	Control
Wolfvision	Eye14	Document Camera	LAN	Control
PTZ Optics	12–SDI	PTZ Camera		Control
Vaddio	Roboshot	PTZ Camera	LAN	Control
Evertz 4K PTZ		PTZ Camera		Control

Audio

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS–232)	DESCRIPTION
Vaddio A/V Bridge	998–8210–000	DSP	LAN	Control
QSC	DCP300	DSP	LAN	Control
QSC	QSYS	DSP	LAN	Control
Biamp	Tesira Forte	DSP	LAN	Control
BSS	Soundweb London BLU–160	DSP	LAN	Control
BSS/Harman	BLU–806	DSP	LAN	Control
Shure	SCM–820	DSP	LAN	Control

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Audio (continued)

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
Shure	MXA910	Ceiling microphone	LAN	Control
Mirantz	998-8210-000	AV receiver	LAN	Control
LAWO		DSP	LAN	Control
LAWO	vmix-status	DSP	LAN	Status Monitoring
Wohler	iAM-MADI8			Control
Wohler	iAM-MADI16			Control
Wohler	MADI-8			Control
BOSE	ESP	Sound-Bar	LAN	Control
Allan & Heath	QU-16	Mixer	LAN	Control
Brown	EJ22 SoundShaper	Speaker	LAN	Control
LEA	CS88	Amp	LAN	Control
Genelec	4430	Speaker	LAN	Control
CALREC		Console	LAN	Control

Lighting

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
Lutron	GRX-CI-NWK-E	Lighting Control	LAN	Control
Lutron	Quantum	Lighting Control	LAN	Control
Philips	Hue	Lighting Control	LAN	Control
DMX	DMX4ALL	Lighting Control	LAN	Control
IGOR	NEXUS	Lighting Control	LAN	Control

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Environment

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS–232)	DESCRIPTION
Dalite Screens		Motorized Screen	Contact Closure	Control
Global Cache	IP2CC	Contact Closure	LAN	Control
Raritan	DPXR8–15	Power Bar	LAN	Control
Baytech	MMP	Power Bar	LAN	Control

Optical Switches

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS–232)	DESCRIPTION
Neutrik	WL–8X4–1310	Optical Switch	LAN	Control
Calient	S320	Optical Switch	LAN	Control

Intercomm

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS–232)	DESCRIPTION
Reidel	RIF–1032	Intercomm	LAN	Control
RTS	Intercom	Intercomm	LAN	Control
Intracom	VCom	Intercomm	LAN	Control

Keyers

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS–232)	DESCRIPTION
Ross	XAE2–0101–M3 (studio AE)	Keyer	LAN	GPI trigger

Conversion

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS–232)	DESCRIPTION
AJA	FS2	Conversion	LAN	Control
Embrionix	emBox–3, emBox–6	Display Converter	NMOS	Tune
AJA	IPR–3G2–HDMI	Display Converter	NMOS	Tune

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Tuner

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
Contemporary Research	ATSC-SDI-4	Tuner	RS-232	Control

Encoders/Decoders/Transcoders

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
Media Excel	DX9	Encoder	LAN	Control
Sencore	MRD-3187		LAN	Tune
Adtec	RD-60		LAN	Tune
Ateme	CM4101		LAN	Tune
Ateme	DR8400		LAN	Tune
Ateme	Edge	Decoder	LAN	
NTT	HVE9100		LAN	Tune
Adtec	EN-81		LAN	Tune
Embrionix	EB22HDRT-LM-0514, EB22HDRT-LM-0516	SDI Gateway	NMOS	Tune
AJA	4430	IO Card	NMOS	Tune
Matrox	XMIO-3, XMIO-5	IO Card	NMOS	Tune
Imagine	Selenio Network Processor (SNP)	Processing	NMOS	Tune
Enco	DAD	Encoder	LAN	Tune
Appear	X PLATFORM	Encoder	LAN	Tune

Optical Players

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
Sony	BDP-S560	Bluray	IR	Control

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Control Systems

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS–232)	DESCRIPTION
Sony	LSM		LAN	Control
Vizrt	Media Sequencer	Graphics	LAN	Control
Vizrt	Vizrt	Graphics	LAN	Control
Philips/BTS/GVG	VM3000		LAN	Control
Philips/BTS/GVG	CM3000		LAN	Control
GVG	Encore		LAN	Control
Nvision	NV9000		LAN	Control
AMX			LAN	Control
Crestron			LAN	Control
VSM			LAN	Control
BNCS			LAN	Control
Miranda	PCS		LAN	Control
Harmonic	Spectrum X, VOS		LAN	Control
BFE			LAN	Control
Pesa			LAN	Control
NVision			LAN	Control
Sony			LAN	Control
Probel			LAN	Control
Utah			LAN	Control
Leitch			LAN	Control
Stagetec Nexus			LAN	Control
Lawo			LAN	Control

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Control Systems (continued)

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
Ross	Xpression		LAN	Control
AVID	FastServe Ingest & Playout	Graphics	NMOS	Tune
EVS	XT-3	Replay	NMOS	Tune
MediaFlex		MAM	NMOS	Tune
Nevion	Virtuoso	Playout	NMOS	Tune

Routers

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
AXON	SynCross		LAN	Routing Control
Calrec	Hydra2		LAN	Routing Control
ETL	NIGMa, Vulcan L Band Routers		LAN	Routing Control
Grass Valley	Jupiter controller		Serial	Routing Control
Grass Valley	SMS7000, Encore, Prelude, Concerto		LAN	Routing Control
Grass Valley	NVision NV9000 Controllers		LAN	Routing Control
Grass Valley	NVision 5128, 7512, 8144, 8256, 8500 Routers		LAN	Routing Control
Grass Valley	NVision Compact Router		LAN	Routing Control
Grass Valley	Pyxis, Cygnus		LAN	Routing Control
Grass Valley	Aurora, Sirius, Vega, Orbit		LAN	Routing Control
Imagine	Panacea, Integrator, Platinum		Serial	Routing Control
Pesa			Serial	Routing Control
Ross	Ultrix		LAN	Routing Control

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Routers (continued)

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
Sony	IXS-6700		Serial	Routing Control
Sony	LSM		LAN	Routing Control
Stagetec	Nexus		LAN	Routing Control
Stagetec	Nexus		Serial	Routing Control
Studer	Studer OnAir, Vista		Serial	Routing Control
Studer	Studer OnAir, Vista		LAN	Routing Control
Utah Scientific	SC-4 System Controller		LAN	Routing Control
Utah Scientific	SC-4, 40, 400 System Controllers, UDS Routers		LAN	Routing Control
AJA	FS1, 2, 3, 4		LAN	Routing Control

Protocols

PROTOCOL	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
Ember/Ember+	Compatible devices		LAN	Device control and routing
ICMP	Any network device		LAN	Network presence
Raw UDP/TCP/Serial comms	Any device		LAN	Low level comms
RestFul API	Generic RestFul API support		LAN	Device monitoring and control
SNMP	Compatible devices		LAN	Device control and routing
AJA FS RestAPI	FS1, 2, 3, 4		LAN	Device control and routing
PJLink	Supported Projectors/Displays		LAN	Control
Visca	Various PTZ Cameras		LAN + serial	Control
NBM Passive API			LAN	Stream switching, monitoring
IR	Global Cache IP2IR		LAN to IR	Programmable commands over IR

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Production Switchers

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
Snell	Kahuna		LAN	Tally
Sony	MVS-8000		LAN	Tally and cross-point control
Panasonic				Tally and cross-point control
Thompson/GVG	Kalypso		LAN	Tally
Ross	Carbonite		LAN	Tally

KVM

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
IHSE				Cross-point control
Adder Technology	Infinity KVM Controller			Control

Tally/UMD

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
ImageVideo				
TSL				

Projectors

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
NEC	Series: • NP Specific Models: • NP-P502HL • NP-V332X	Projector	LAN	Control
Panasonic	PTVX-600	Projector		Control
Barco		Projector		Control

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Sat Controllers

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
ACS Signal	NGC-IDU		LAN	Control Translation

Monitoring Tools

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
Leader	LV5600	WFM	NMOS	Tune
Telestream	PRISM	WFM	NMOS	Tune and control
Sencore	Stream Analysis	Stream Analysis	NMOS	Tune

VTC Codec

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
PolyComm	C16	Teleconference	LAN	Control

Misc

MANUFACTURER	MODEL	TYPE	TYPE OF CONTROL (LAN, IR, RS-232)	DESCRIPTION
Global Cache	iTach Flex		LAN	Control Translation
Global Cache	GC 100		LAN	Control Translation
W&T	Web-IO	GPIO		Relays
DNF	CP-20		LAN	Control
Enco	DAD		LAN	Control
Vertiv	Cybex-SC		LAN	Control
Viasat	EBEM		LAN	Control