7700R-SC-BRC
System Controller, Single Processor

The 7700R-SC-BRC System Controller provides third party interfacing to Evertz® routers and control systems. With its Ethernet networking and comprehensive interface connections, the 7700R-SC-BRC provides a platform to manage third party communication and interface requirements for routing systems. The module is designed to allow bi-directional (where required) communication between Evertz® routers and control systems and third party systems (like third party router controllers, third party routers, automation systems, production switchers etc), and can be configured to allow Evertz® to control third party devices and/or to allow third party devices to control Evertz® devices. Name data for router control system (often referred to as mnemonics)

can be transferred from Evertz® router control systems into the 7700R-SC-BRC and are available to third party systems using a protocol that supports mnemonic transfer. SNMP monitoring support via VLPRO allows efficient monitoring and configuration of the 7700R-SC-BRC system controller.
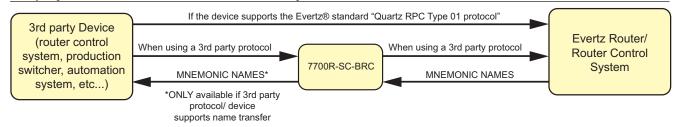
The 7700R-SC-BRC is a 2-slot module and can be housed in the 1RU 7701FR frame that holds up to three single or dual slot modules, the 3RU 7800FR frame that has a 15-slot capacity, the portable 3RU 350FR frame that has a 7-slot capacity, or a standalone enclosure that holds a single module.
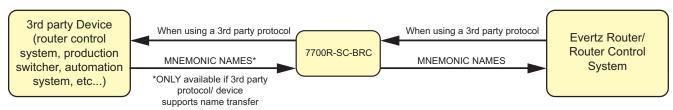
▶Features & Benefits
• 3rd party control can be via serial or TCP/IP as determined by protocol choice
• Evertz® control can be via serial or TCP/IP as determined by protocol choice
• Can allow control of third party devices or can allow control of Evertz® routers/ control system from third party
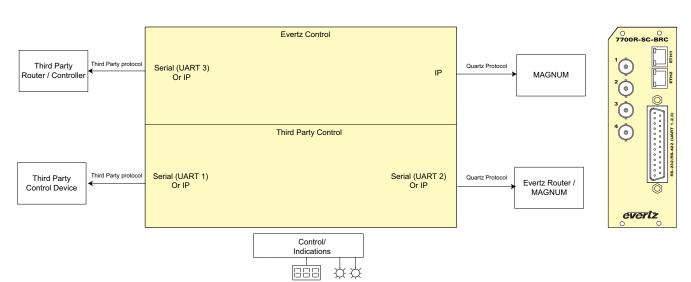• Fast boot-up time

• NVRAM for crosspoint status storage
• Three serial ports (RS-232/RS-422 selectable)
• Ethernet port supporting TCP/IP protocol for configuration and router control
• Not all protocols may be displayed here, please contact your Evertz® Sales representative with any questions

▶3rd party control of Evertz® routers and router control systems

▶Evertz® control of 3rd party routers and router control systems

▶Specifications

		Serial Ports:	
Connector:	RJ45 10/100Mb	Number of Ports:	3 (RS-232/RS422)
Ports:	2	Connector:	Female BD25

Third Party Control of Evertz® Routers/Magnum Control System

Product	Protocol	Format
Snell kahuna production switcher	(Natively Supports Quartz Protocol, no 7700R-SC-BRC required)	Serial
Avid capture manager	GVG-RCL	Both
Sony MVS-8000 production switcher	Sony ROT16 (SONY HKSP-R80 to convert S-BUS to ROT16 required)	Ethernet
Wheatstone audio console	(Natively Supports Quartz Protocol, no 7700R-SC-BRC required)	Serial
Thomson GVG kalyspo production switcher	SMS7000 (GVNP - grass valley native protocol)	Serial
Ross productions switchers	Probel SW-P-08	Serial
Ross production switchers	Probel SW-P-02	Both
Thomson GVG Encore router controller	GVG-RCL	Both
Pesa 3500Pro router controller	PESA CPU Link protocol 1	Serial
Phillips/BTS/Jupiter (GVG) VM3000/CM40000 router controller	Phillips/BTS ESControl	Serial
Phillips/BTS/Jupiter (GVG)	Phillips/BTS ES Switch	Serial
Nvision NV9000 router controller	Nvision NVEP	Ethernet
Image Video TSI-1000 tally/UMD manager	(Natively Supports Quartz Protocol, no 7700R-SC-BRC required)	Both
AMX/Crestron	(Natively Supports Quartz Protocol, no 7700R-SC-BRC required)	Both
VSM router control system	(Natively Supports Quartz Protocol, no 7700R-SC-BRC required)	Ethernet
BNCS control system	(Natively Supports Quartz Protocol, no 7700R-SC-BRC required)	Ethernet
Miranda PCS system	(Natively Supports Quartz Protocol, no 7700R-SC-BRC required)	Serial
Harmonic NMX control system	Probel SW-P-02	Both

Evertz® Control of 3rd Party Devices/Routers

Product	Protocol	Format
Pesa Routers/router controllers	PESA CPU Link protocol 1	Serial
Phillips/BTS/GVG routers connected to a VM3000	Phillips/BTS VMSI ASCII	Serial
Phillips/BTS/GVG routers connected to a CM4000	Phillips/BTS VMSI ASCII	Serial
Nvision routers supporting serial	Nvision NVSP	Serial
Nvision routers supporting Ethernet	Nvision NVEP	Ethernet
Nvision routers slaved to an NV9000	Nvision NV9000	Ethernet
Legacy Sony Routers	Sony Remote 2 protocol	Serial
Legacy Sony Routers	Sony CART++	Serial
GVG routers	Phillips/BTS ESControl	Serial
GVG routers connected via SMS7000	SMS7000 (GVNP - grass valley native protocol)	Both
GVG routers	GVG-RCL	Serial
GVG routers	Phillips/BTS ES Switch	Both
Pro-bel routers	Probel SW-P-02	Both
Pro-bel routers	Probel SW-P-08	Both
Utah routers	RCP3	Both
Leitch routers	XY Protocol	Both
Stagetec Nexus routers	Matrix5	Both
LAWO routers	LAWO (RemoteMNOPL)	Serial
Sony MVS-8000 production switcher	Sony ROT16 (SONY HKSP-R80 to convert S-BUS to ROT16 required)	Ethernet

Automation/MAM/CAM Systems control of Evertz® Routers

Product	Protocol	Format
Nverzion	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Harris D Series	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Harris ADC (Louth)	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Avid (Sundance)	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Omnibus(colossus and ITX)	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Avid Capture Manager	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Probel	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Florical	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Abit	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Crispin	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Dalet	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
DNF Controls	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Pebble Beach	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Pharos	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Digital Rapids	Natively supports Quartz protocol, no 7700R-SC-BRC required	Ethernet
Ibis	Probel SW-P-02	Serial
Primestream/Building4Media	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Aveco	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
S4M VP MS Ingest Automation	Phillips/BTS VMSI ASCII	Serial

▶Ordering Information

7700R-SC-BRC	System Controller, single processor

Ordering Options:

Rear Plate Suffix
+1RU   1RU rear plate for use with 7701FR Multiframe
+SA   Standalone Enclosure Rear Plate
+3RU   3RU rear plate for use with 350FR, 7700FR-C or 7800FR Multiframes

Enclosures
350FR   Portable Multiframe which holds 7 single slot modules
7700FR-C   3RU Multiframe which holds 15 single slot modules
7800FR   3RU Multiframe which holds 15 single slot modules
7701FR   1RU Multiframe which holds 3 single slot modules
S7701FR   7700 Series Standalone Enclosure

The 7700R-SC-BRC System Controller provides 3rd party interfacing to Evertz routers and control systems. With its Ethernet networking and comprehensive interface connections, the 7700R-SC-BRC provides a platform to manage 3rd party communication and interface requirements for routing systems. The module is designed to allow bi-directional (where required) communication between Evertz routers and control systems and 3rd party systems (like 3rd party router controllers, 3rd party routers, automation systems, production switchers etc), and can be configured to allow Evertz to control 3rd party devices and/or to allow 3rd party devices to control us. Name data for router control system (often referred to as mnemonics) can be transferred from Evertz router control systems into the 7700R-
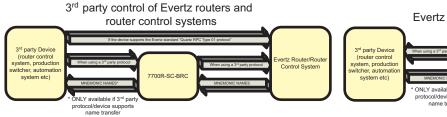
SC-BRC and are available to 3rd party systems using a protocol that supports mnemonic transfer. SNMP monitoring support via VLPRO allows efficient monitoring and configuration of the 7700R-SC-BRC system controller.
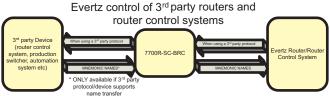
The 7700R-SC-BRC is a 2 slot module and can be housed in the 1RU 7701FR frame which holds up to three single or dual slot modules, the 3RU 7800FR frame which has a 15 slot capacity, the portable 3RU 350FR frame which has a 7 slot capacity, or a standalone enclosure which holds a single module.

▶Features & Benefits

- 3rd party control can be via serial or TCP/IP as determined by protocol choice
- Evertz control can be via serial or TCP/IP as determined by protocol choice
- Can allow control of 3rd party devices or can allow control of Evertz routers/control system from 3rd party
- Fast boot-up time

- NVRAM for crosspoint status storage
- Four serial ports as standard (3 RS-232/RS-422 and 1 RS-232 only)
- Ethernet port supporting TCP/IP protocol for configuration file downloading and router control
- Not all protocols may be displayed here, please contact your Evertz Sales representative with any questions

3rd party control of Evertz routers and router control systems

Evertz control of 3rd party routers and router control systems

Third Party Control of EQX/EQX-SERVER

Product	Protocol	Format
Snell kahuna production switcher	(Natively Supports Quatz Protocol, no 7700R-SC-BRC required)	serial
Avid capture manager	GVG-RCL	both
Sony MVS-8000 production switcher	Sony ROT16 (SONY HKSP-R80 to convert S-BUS to ROT16 required)	ethernet
Wheatstone audio console	(Natively Supports Quatz Protocol, no 7700R-SC-BRC required)	serial
Thomson GVG kalyspo production switcher	SMS7000 (GVNP - grass valley native protocol)	serial
Ross producitons switchers	Probel SW-P-08	serial
Thomson GVG Encore router controller	GVG-RCL	both
Pesa 3500Pro router controller	PESA CPU Link protocol 1	serial
Phillips/BTS/Jupiter (GVG) VM3000/CM4000 router controller	Phillips/BTS ESControl	serial
Nvision NV9000 router controller	Nvision NVEP	ethernet
Image Video TSI-1000 tally/UMD manager	(Natively Supports Quatz Protocol, no 7700R-SC-BRC required)	both
AMX/Crestron	(Natively Supports Quatz Protocol, no 7700R-SC-BRC required)	both
VSM router control system	(Natively Supports Quatz Protocol, no 7700R-SC-BRC required)	ethernet
BNC control system	(Natively Supports Quatz Protocol, no 7700R-SC-BRC required)	ethernet

Evertz Control of 3rd Party Devices/Routers

Product	Protocol	Format
Pesa Routers/router controllers	PESA CPU Link protocol 1	serial
Phillips/BTS/GVG routers connected to a VM3000	Phillips/BTS VMSI ASCII	serial
Phillips/BTS/GVG routers connected to a CM4000	Phillips/BTS VMSI ASCII	serial
Nvision routers supporting serial	Nvision NVSP	serial
Nvision routers supporting ethernet	Nvision NVEP	ethernet
Nvision routers slaved to an NV9000	Nvision NV9000	ethernet
Legacy Sony Routers	Sony Remote 2 protocol	serial
Legacy Sony Routers	Sony CART++	serial
GVG routers	Phillips/BTS ESControl	serial
GVG routers connected via SMS7000	SMS7000 (GVNP - grass valley native protocol)	serial
Pro-bel routers	Probel SW-P-02	serial
Pro-bel routers	Probel SW-P-08	serial
Utah routers	RCP3	both
Leitch routers	XY Protocol	serial
Stagetec Nexus routers	Matrix5	ethernet

Automation/MAM/CAM Systems control of Evertz Routers

Product	Protocol	Format
Nverzion	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Harris D Series	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Harris ADC (Louth)	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Avid (Sundance)	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Omnibus(colossus and ITX)	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Avid Capture Manager	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Probel	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Florical	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Abit	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Crispin	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Dalet	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
DNF Controls	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Pebble Beach	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Pharos	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Digital Rapids	Natively supports Quartz protocol, no 7700R-SC-BRC required	ethernet
Ibis	Probel SW-P-02	serial
Primestream/Building4Media	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor
Aveco	Natively supports Quartz protocol, no 7700R-SC-BRC required	Contact Vendor

▶Specifications

Q-LINK:

Number:	4 single or 2 looped (jumper selectable)
Connector:	75Ω video cable 500m max. length

Serial Ports:

Number of Ports:	4 RS-232/RS-422
Connector:	DB25

▶Ordering Information

7700R-SC-BRC	System Controller, single processor