

7700R8x8-3G

8x8 SD/HD/3G Modular Router



The 7700R8x8-3G is a small form factor router designed for critical applications where size is limited, whether for existing facilities who have run out of rack space or for trucks and vans. The 7700R8x8-3G uses up only two slots of a traditional Evertz® 7700FR and has its own integrated controller. This means that seven 8x8 routers can fit into just 3RU and two routers in the 7801FR

The router is format independent, supporting signals from 3MB/s up to 3GB/s including SMPTE ST 310-1, SD-SDI, ASI, HD-SDI and 3G.

The 7700R8x8-3G router has a number of control options.

Control: The 7700R8x8-3G router is compatible with the existing ranges of Quartz routers, remote control panels and control systems.

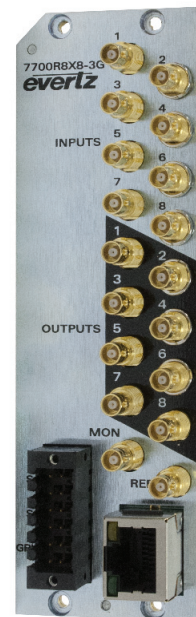
The 7700R8x8-3G router is a fully independent, stand alone router. It includes an internal Frame Controller module which supports dual serial ports and an Ethernet port on the rear of the router.

Remote Control Panel: Any panel(s) from the entire range of Quartz remote control panels can be used with the 7700R8x8-3G router connected via Ethernet. (Exceptions: CP-1024E, CP-2272E, CP-1040E)

External Third Party Control: The 7700R8x8-3G router can be remotely controlled via an external third party control device, such as an automation system, when connected to the router's serial port or Ethernet port.

Power Supply: The 7700R8x8-3G is housed in the typical Evertz® 7700FR frame and can be run with dual power supplies ensuring continuous operation.

Technical: The 7700R8x8-3G Router offers a full 3Gb/s bandwidth to handle un-compressed HD signals. Automatic Bit Rate Detection on the input equalizer allows any mix of 3G, HD and SD signals in the same unit.



►Features & Benefits

- Full broadcast specifications
- Powerful built-in control systems
- Ethernet, serial RS-422/RS-232
- Full VistaLINK® PRO command & control, SNMP
- WebEasy via FC
- Output reclocking On/Off
- Compatible with all Quartz routers and remote control panels
- 1 GPI and 1 GPO

►Specifications

Serial Video Inputs:

Standard: SMPTE ST 292-1,
SMPTE ST 259-1,
SMPTE ST 310-1,
SMPTE ST 424, ASI

Signal Level: 800mV p-p nominal
Impedance: 75Ω terminating
Return Loss: 15dB (5MHz - 1485MHz)
Cable equalization: Belden 1855A 300m @270MHz
100m @ 1.5Gb/s

Connectors: DIN 1.0/2.3, optional HD-BNC

Switching Reference:

Reference inputs Analog 625/525 or Tri-level HD
Signal level 1V p-p ± 3dB
Impedance 75Ω
Switching Line Lines 6/319 (625)
Lines 10/273 (525)
Line 7 (HD)

Control:

Serial Signal: RS-232/RS-422
Connector: Terminal block socket
Ethernet: RJ45

Power:

Supply: Auto ranging 100-240V AC, 50/60Hz
Power Consumption: 26W
Connector: Screw Terminals
Redundant PSU: Optional

Physical (number of slots):

7700FR-C 2
7800FR 2
7801FR 2

Serial Video Outputs:

Standard: Same as input (Reclocking)
Signal Level: 800mV p-p ± 10%
Impedance: 75Ω terminating
Return Loss: 15dB (5 - 1485MHz)
DC offset: 0 ± 0.5V
Connectors: DIN 1.0/2.3, optional HD-BNC

►Ordering Information

7700R8x8-3G 8x8 SD/HD/3G Modular Router

Ordering Options Rear Plate must be specified at time of order
(Eg. Model +3RU)

Rear Plate Suffix

+3RU 3RU Rear Plate for use with 7700FR-C or 7800FR Multiframe
+HDBNC Replaces the standard DIN based rear plate with a HD-BNC rear plate

Enclosures

7700FR-C 3RU Multiframe which holds up to 15 single slot modules
7800FR 3RU Multiframe which holds up to 15 single slot modules