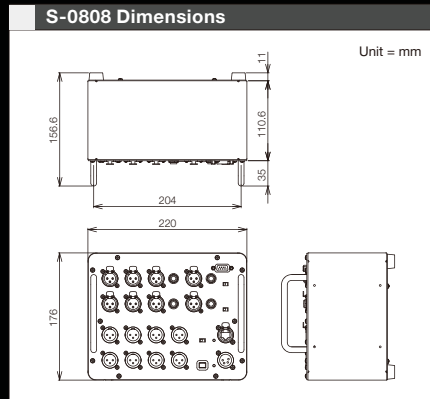


S-0808 Specifications			
Number of Channels	8 in 8 out	Equivalent Input Noise Level (E.I.N.)	-128 dB
AD/DA Conversion	Sample Rate: 96.0 kHz/48.0kHz/44.1kHz Signal Processing: 24 bits	Network Latency	375 microseconds when using REAC cable only *1 (AD - REAC - DA Latency: about 1.2 ms)
Frequency Response	-2 dB/+0 dB (@ +4 dBu, 20 Hz to 20 kHz)	Connectors	Input x 8 (XLR type, balanced, phantom power, INPUT 1-8) Input x 2 (TRS type, balanced, INPUT 5/6) *2 Input x 2 (TRS type, balanced, with Hi-Z switch, INPUT 7/8) *2, *3 Output x 8 (XLR type, balanced) REAC EMBEDDED POWER x 1 (RJ-45 EtherCon type) REMOTE x 1 (RS-232C, DB-9 type), DC IN x 1 (XLR 4pin type)
Total Harmonic Distortion + Noise	0.04 % or less (Pad: On, Input Gain: +4 dBu, 22 Hz to 20 kHz)		
Dynamic Range	110 dB		
Cross Talk	-80 dB or less (Input Gain: +4 dBu, typ.)	Power Supply	REAC EMBEDDED POWER or External Battery (DC 12V - 18V)
Nominal Input Level	-65 to -10 dBu (PAD: Off), -45 to +10 dBu (PAD: On) (1 dB step, Max. +28 dBu)	Power Consumption	26W (DC 12V)
PAD	20 dB On/Off	Phantom Power	+48 V/14 mA (each input, remote controlled)
Input Impedance	7 k ohms	Dimensions	220.0 (W) x 176.0 (D) x 156.6 (H) mm, 8-11/16 (W) x 6-15/16 (D) x 6-3/16 (H) inches
Nominal Output Level	+4 dBu, Max. +22 dBu	Weight	2.9 kg, 6 lbs 7 oz
Output Impedance	600 ohms	Accessories	Battery Plate Holder and Fastening Screws (8 pcs), REAC Connector Covers x 1 Ferrite Core x 2, Fastening Screw x 4, Owner's Manual
Recommended Load Impedance	10 k ohms or greater		
Residual Noise Level (IHF-A, typ.)	-80 dBu or less		

*1: XLR connector 1: GND, 2: HOT, 3: COLD *2: TRS takes priority if XLR and TRS are simultaneously input to INPUT 5-8. *3: TRS of INPUT 7/8 turns to unbalanced when Hi-Z is turn on. (0 dBu = 0.775 Vrms)
*When a REAC Splitter S-4000-SP or a switching hub is used in-line with REAC cables, the network latency will increase by the amount of processing delay introduced by the splitting device itself. The actual delay is dependant upon the specifications of the splitting device, though the maximum delay amount for a single splitting device should be about 200 microseconds.



Options

40Ch I/O Modular Rack
S-4000S-0832
Next generation digital audio transfer system - Digital Snake. This modular rack can be customized with a choice of high quality I/O cards.

8in/32out FOH Unit
S-4000H
FOH I/O unit that uses D-Sub connectors. Bundled cable protector.

REAC Cable (20 meters)
SC-W20F
20 meter premium REAC cable.

REAC Cable (100 meters) with Reel
W100S-R
Reel-mounted 100 meter cable.

REAC Optical Converter
S-OPT
Converter for transmitting REAC through optical cable. Maximum transmittable distance is 2 km. Uses Neutrik® OpticalCON connectors.

REAC

Superb Quality, Simple Setup, Flexibility.
The next generation audio transfer technology - REAC.

REAC (Roland Ethernet Audio Communication) is Roland's original technology. REAC transfers 40x40 of 24-bit uncompressed multi channel audio, level information, and control data over a single cat5e cable. This digital transfer system eliminates the typical problems found in analog transfer such as signal quality degradation or hums and buzzes. REAC provides not only superb sound quality but also is easy to install and cost effective using light-weight Cat5e cable.

REAC product line allows system flexibility and expandability
The REAC products are among the best in the industry on their own but they are designed to work even better as part of a system, communicating with each other via REAC. This system connection approach brings superior sound quality, is easy to learn, easy to use and brings all the powerful benefits of a digital solution.

Ensuring high quality while protecting the environment: Roland is ISO9001 and ISO14001 certified

At Roland, several group companies have obtained ISO9001 certification. In addition, in January 1999, Roland also received ISO14001 international environmental management system certification. We're actively seeking ways to maintain harmony with the environment. (ISO=International Standardization Organization: an organization for the promotion of standardization of international units and terms. They provide different categories of certification: ISO9001 Series certification is a product quality certification for products that undergo a certain level of quality control from the design stage to the after service stage; ISO14001 Series certification is for environment-related standards. Each member of the Roland Group is striving to obtain certification.)

S-0808 8x8 I/O UNIT



Digital Snake
Multi Channel Digital Audio Transfer System

New Possibilities in Multi-Channel Audio Distribution

8 inputs x 8 outputs
Compact, light-weight, rugged
External battery powered or embedded power over REAC
TRS and Hi-Z inputs