



Digital Suake Multi-Channel Digital Audio Transfer Systems

The superior quality and reliability of RSS Digital Snakes is made possible by coupling high quality preamps with Roland's REAC digital transmission technology. RSS Digital Snake systems are immune to the hums, buzzes and general impedance and capacitive losses that plague analog snakes. By having the mic preamps close to their source and by avoiding the transmission losses of long runs of analog cables, your audio has a chance to sound its best throughout your whole system. The system provides superior clear sound, great intelligibility with minimum latency and the freedom to easily split or extend your source audio. Digital Snakes are the next generation of audio quality for concerts, corporate events, houses of worship and any kind of audio installation.

Superior Sound Quality

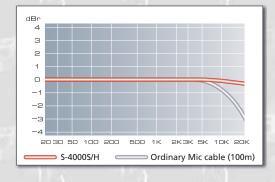


High Quality Pre-amps on each input channel

In an analog system, low-level microphone signals are boosted using a mic preamp only after the long, arduous journey down the analog snake. For this reason it's difficult to avoid degradation and cross talk. The digital snake is equipped with high quality and remote controllable pre-amps that boost the input gain very close to the source, where the highest quality signal is found. This ensures that your audio will sound its best. And of course once the signal is in digital form, it is immune to analog cabling losses. The pre-amp has been specially designed for live audio applications and is made of high quality components carefully selected by Roland's engineers.

REFIC High quality and low noise digital transfer

In the analog domain, it is impossible to avoid signal degradation during long distance audio transfer at concerts or events in large halls or arenas. Digital transfer of REAC provides extremely flat and pure audio transfer for the whole frequency bandwidth. Furthermore, additional audio benefits occur because the source signal is transferred after boosting the gain using the high quality and remote controllable mic pre-amps.



ANALOG Analog Multi Cable REFIC (DIGITAL) Digital Snake

Minimize a signal's damage due to "noise pollution"

Hums and buzzes from external noise sources can often be a problem for analog snake installation. It can be difficult to know where potential noise sources might be before installing a snake. And solving subsequent noise problems requires lots of experience and time. REAC provides an effective solution to these installation problems. Technically, the risk of noise pollution such as the induction of hums and buzzes into a digital snake is much lower than in an analog snake, and cross talk is minimal or non existent. This provides almost complete routing freedom for your cable installations.

■ Parameters and display on S-4000RCS

Parameters: Input channel gain, Phantom power and PAD settings

Display: Level meters of all input channels on one screen.



Remote Control by computers

A computer can be connected to the REMOTE terminals (RS-232C) of any digital snake end. Once the S-4000RCS software* is installed, up to 160 channels of a snake system can be remote controlled from your computer using up to 4 RS-232c ports.

* S-4000RCS software is free and downloadable from www.rssamerica.com.





- REAC, based on the Ethernet 100BASE-TX protocol, transfers signals using Cat5e cable.
 Durable and reliable connector made by Neutrik
 Up to 40 channels of 24bir96kHz audio plus MIDI and remote control data can be transferred in one cable.

REFIE Roland's original Ethernet technology

REAC (Roland Ethernet Audio Communication) is newly designed technology for digital audio transfer by Roland. The REAC spec provides a high quality and safe, redundant digital audio transfer system that can be easily installed or integrated for any audio snake application. REAC is a "plug and play" system that is easy to configure and requires no complex setup or computer operation. Plug in your mics, plug in the Ethernet cable and you're ready to go!

■ Latency of digital transfer (one way)

* 0.375 ms is the REAC protocol latency. The A/D and D/A conversions add a bit more for a total latency of less than 1.2ms, which is very low and well within the acceptable range for all live audio applications.

Super low latency digital transmission

Degradation of the audio signal is minimal in any digital transfer system. However, musicians, performers or even audiences may suffer from the excessive latency of other digital transfer systems. REAC eliminates these digital audio transmission problems with its super low latency. Even when transmitting 40 channels at 24bit/96kHz/Linear, REAC's latency is only 0.375ms*. This very low latency makes any RSS Digital Snake system perfect for all audio installations, especially in-ear monitoring systems.

Digital Transport Advantages

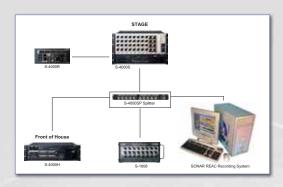


Simple and low cost installation with Cat5e cabling

REAC brings another revolution to audio installations by eliminating the need to use thick, heavy and hard to handle analog multi-pair cables by transmitting audio using light, slim and easy to handle Cat5e cable. On one very thin Ethernet cable, REAC can transfer 40 channels of high quality 24bit/96kHz audio signal plus MIDI and remote control signals. Since the cable used for REAC transfer is ordinary Ethernet cable, the low cost and easy availability of the cable is a big advantage compared with using analog cable. From temporary installations at concerts to permanent installations in arenas or halls, REAC provides the benefit of light weight, inexpensive and easy to install cable.

REAL Limitless splitting of all input sources

The RSS Digital Snake systems are designed to provide splits of source audio using standard Ethernet hardware. Using a standard switching hub, you can send source audio to multiple recording consoles, a monitor position, broadcast location and more. No signal degradation will occur from the source's master output to the recording or any other split output.





Very long distance snake systems can be designed using an S-OPT REAC Optical converter

The S-OPT is a REAC optical converter that converts RSS Digital Snake System REAC signals to and from optical signals for long distance digital audio transmission. By using the REAC optical converter and optical cables (sold separately), the REAC transmission distance can be extended to a maximum of 2 kilometers (1.2 miles).

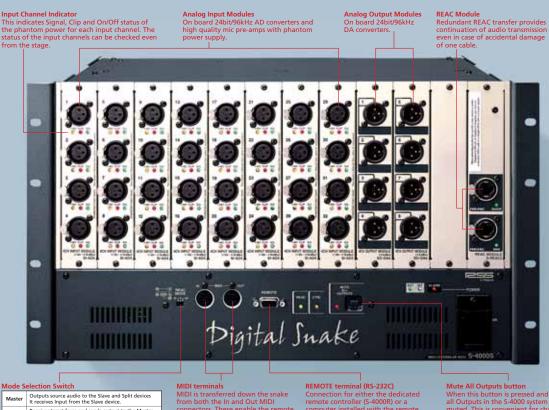




REAC 40 Channels of Digital Recording

The SONAR REAC Recording System when used in conjunction with the RSS Digital Snakes provides the most comprehensive live recording, mixing, mastering and delivery product available. Capture up to 40 channels of audio from your Digital Snake/V-Mixing System directly into SONAR all via a simple Cat5e connected to the network port on your PC.

S-4000 Digital Snake System





Certified Hit

Mute All Outputs button

Cooling fans x 3
Internal heat is exhausted using 3
fans on the rear panel reducing the operational noise of the fans.



S-4000S-3208

40CH I/O Modular Rack

This unit has 32 inputs + 8 outputs and is typically installed at stage side. The AD/DA conversion is 24bit/96kHz. High quality XR-1 pre-amps are provided for each input channel, which can accept both mic and line level inputs, eliminating the need for direct boxes. Phantom power and an input PAD is available for each channel.

Power Inlets
The Locking Arm is equipped to prevent accidental unplugging of the power cord. The DC power supply connection is provided for use with an optional redundant supply in case of power failure.



Optional Configurations for S-4000S



S-4000S-0832

The 40Ch I/O modular rack configured to be used at the Front of House position for connection to mixing console with ordinary XLR cables. This configuration would be used with an S-4000S-3208 at the stage position.



S-4000S-MR

Modular rack chassis with no pre-installed In/Out modules. Designed for custom configurations such as 24x16 and

Input/Output Modules

Analog Input/Output Modules



SI-AD4 Analog Input Module





SO-DA4

Analog Output Module

Digital Input/Output Modules



SI-AES4 AES/EBU



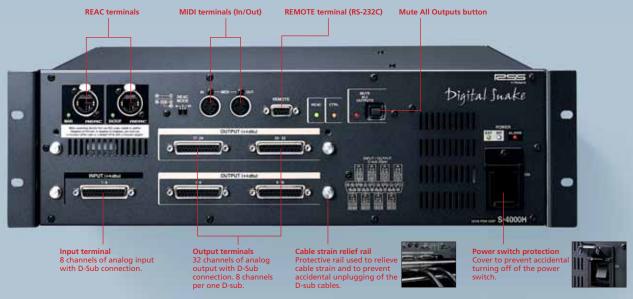


SO-AES4

AES/EBU Output Module

Four-channel AES/EBU input and output modules with Sample Frequency Rate conversion

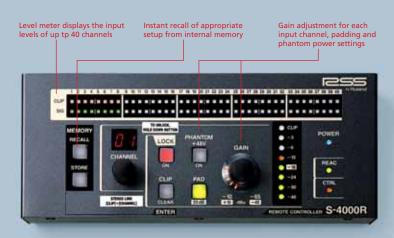
*Input and Output Modules are not use installable. Installation must be carried out by an authorized Roland Service Technician.



S-4000H 8x32 FOH Unit

The S-4000H receives signals from the stage and is typically placed next to the FOH mixing console. Its 32 analog outputs are used to send signals from the stage to the mixing console and its 8 inputs for returning signal such as Main audio or monitor mixes to the stage. AD and DA conversions are 24bit/96kHz.





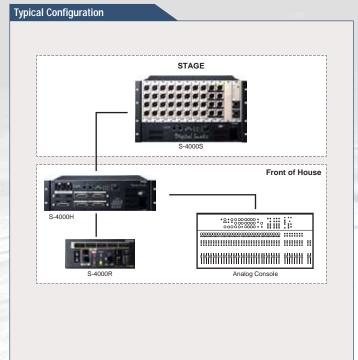
S-4000R

Pre-Amp Remote Controller for the S-4000S or S-1608

The S-4000R can be connected to any RSS digital snake device via the serial interface. It provides easy remote control of all input gain adjustments, phantom power and PAD settings. Since the remote can save up to 10 setups to internal memory, you can instantly recall the right settings for performance/stage configurations and room defaults instantly.









Pre-Amp Remote Control with the S-4000R.

See page 5.



S-1608

Stage Unit

The S-1608 and S-0816 Digital Snake are compact versions of the popular S-4000S Digital Snake system. Easy to use and quick to install, the S-1608/0816 Digital Snake system is a small format audio snake solution that offers the highest quality audio signal available in a portable snake system.



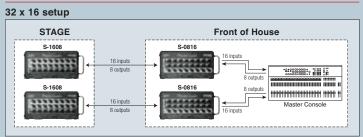


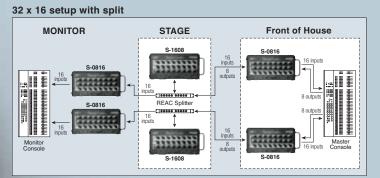
S-0816

FOH Unit

The S-1608/0816 Digital Snake system is ideal for bands, corporate A/V events, seminars, rental and staging houses, Houses of Worship and broadcasters that need the best possible sound quality from their audio without the high frequency losses and bulk of analog snakes.

Easy and Expandable





Ideal Channel Count Expansion for the S-4000 Digital Snake System

The S-1608/0816 Digital Snake System can be used to easily expand the channel count of the S-4000 32x8 Digital Snake System to 48x16 or more. Mix and match S-4000 and S-1608/0816 Digital Snake systems for customizable rental and installation systems.



S-OPT REAC Optical Converter



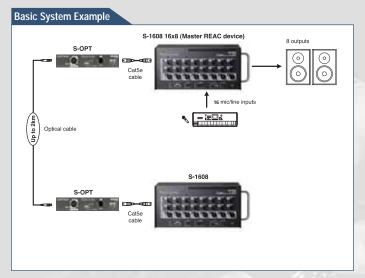


When running two S-OPT units in redundant mode, connect together via this power link to ensure backup power. If one power supply fails, the power link will share power with the second unit.

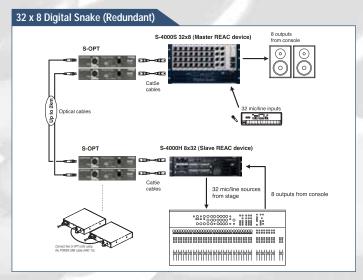
The S-OPT is an optical converter that converts RSS Digital Snake System REAC signals to and from optical signals for long distance digital audio transmission. By using the REAC optical converter and optical cables (sold separately), the REAC transmission distance can be extended to a maximum of 2 kilometers (1.2 miles.)

Features

- The S-OPT optical connectors are Neutrik OpticalCon® connectors and support Mobile Fiber Cable from Neutrik. This optical interface provides for
 transmitting audio over long distances using optical cables while still taking advantage of the RSS Digital Snake System's mobility.
- OpticalCon® provides a Dual LC optical connector (standard LC-Duplex connector, IEC 61754-20) enabling the use of less expensive optical cables with the RSS Digital Snake System.
- Two S-OPT units can be connected using the proprietary POWER LINK cable (ARC-15, sold separately) so that redundant power can be supplied
 from one unit to the other. If power to a single unit is interrupted due to un-expected situation or is damaged, both units will still continue to operate.



This system setup is for anyone needing REAC transmission over 100 meters and up to 2 km (1.2 miles). Connect an Ethercon cable from the S-1608 Digital Snake to the S-OPT stage unit. Connect an OpticalCon or standard optical cable from stage S-OPT to the FOH S-OPT. Simply connect an EtherCon cable from the FOH S-OPT to the S-0816. If you require more than 2 km in distance you can gain an additional 100 meters of Cat5e cable from the stage and FOH positions giving you a total of 2.2 km in distance.



This system is a must for anyone requiring REAC transmissions over 100 meters with redundancy. The S-4000S-3208 Digital Snake has built in redundant REAC ports so simply connect two S-OPT's at the stage and FOH positions. Two S-OPT units can be connected using the proprietary POWER LINK cable (ARC-15, sold separately) so that redundant power can be supplied from one unit to the other. If power to a single unit is interrupted due to an unexpected situation or is damaged, both units will still continue to operate.

SONAR REAC Recording System

SONAR REAC RECORDING SYSTEM

SONAR REAC Recording System

The SONAR REAC Recording System when used in conjunction with the RSS V-Mixing System or RSS Digital Snakes provides the most comprehensive live recording, mixing, mastering and delivery product available. Capture up to 40 channels of audio from your Digital Snake/V-Mixer System directly into SONAR all via a simple Cat5e connected to the network port on your PC.

The SONAR REAC Recording System includes:

- SONAR 7 Producer Edition
- REAC Technology Driver
- · Cakewalk SPS-66 FireWire audio interface
- · V-Mixer and Digital Snake Templates
- · Users Guides
- SONAR 7 Producer Edition DVD-ROM
- SONAR 7 Producer Edition Manual
- SONAR REAC Driver CDROM
- Power Supply
- · 6pin-6pin and 6pin-4pin Firewire Cables

SONAR 7 Producer Edition

SONAR 7 Producer Edition places no limits on your track count, bus routing, effect or instrument inserts, and includes an ample array of audio effects, virtual instruments, and innovative technologies to power your productions.

- Capture up to 40 channels of audio over REAC (cat5e)
- Mix, EQ, Master, Burn and Deliver
- Record and edit unlimited tracks of audio and MIDI with effects on input
- The industry's best 64-bit double precision floating point mix engine
- Smart MIDI Tools—intuitively use one tool for multiple editing tasks; completely customizable
- Thousands of instruments—Access thousand of instruments sounds with Dimension LE, Rapture LE, DropZone, and more
- Integrated Step Sequencer view—the most innovative step sequencer feature set available in any DAW



Cakewalk SPS-66 FireWire Audio Interface

- 6-In/6-Out FireWire Interface
- 1-in/1-out MIDI Interface (16 channels)
- · FireWire bus powered for mobile use
- 24-bit/192 kHz audio resolution
- · +48V phantom power
- +4 dBu output for professional integration

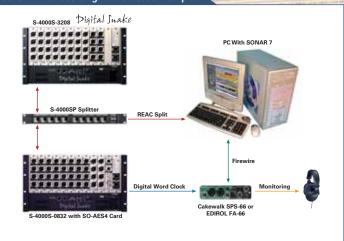
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Find out more about the V-Mixing System at www.V-MixingSystem.com

Sonar REAC Recording with S-4000s Example

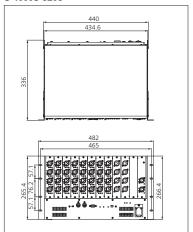


Sonar REAC Recording with S-1608 Example



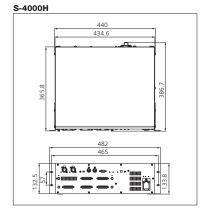
S-4000S-320	8 40CH I/O Modular Rack		
Number of Channels	32 in 8 out		Input: 32 (XLR type, balanced, phantom power, 4 ch input module x 8)
AD Conversion	Sample Rate: 96.0 kHz Signal Processing: 24 bit	Connectors	Output: 8 (XLR type, balanced, 4 ch output module x 2) REAC: MAIN, BACKUP (RJ-45 EtherCon type)
DA Conversion	Sample Rate: 96.0 kHz Signal Processing: 24 bit		Remote Connector: 1 (RS-232C, DB-9 type) MIDI Connectors: IN, OUT (5-pin DIN type)
Frequency Response	-2 dB / +0 dB (@ +4 dBu, 20 Hz to 20 kHz)		EXT Indicator (External Power Supply Unit)
Total Harmonic	0.05 % or less		INT Indicator
Distortion + Noise	(Pad: On, Input Gain: +4 dBu, 22 to 20000 Hz)	Indicator	REAC Indicator
Dynamic Range	110 dB	inuicator	CTRL Indicator
Cross Talk	-80 dB		ALARM Indicator
AL	-65 to -10 dBu (PAD: Off) -45 to +10 dBu (PAD: On)		MUTE ALL OUTPUTS Indicator
Nominal Input Level	(1 dB step, Max. +28 dBu)	AC Power Supply	AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)
PAD	20 dB On/Off	DC Power Supply	+24 V (from optional external power supply unit : S-240P):
Input Impedance	20 k ohms	Power Consumption	130 W
Nominal Output Level	+4 dBu, Max. +22 dBu	Current Draw	
Output Impedance	150 ohms	(for an optional external	6 A
Recommended Load	10 k ohms or greater	power supply unit; Model S-240P)	
Impedance	TO K Onins or greater	Phantom Power	+48 V / 14 mA (each input on SI-AD4, remote controlled)
Residual Noise Level	-90 dBu	Dimensions	482.0 (W) x 336.0 (D) x 266.4 (H) mm
(IHF-A, typ.)	-90 dbd	Dimensions	19 (W) x 13-1/4 (D) x 10-1/2 (H) inches
Equivalent Input	-128 dB	Weight	17.0 kg, 37 lbs 8 oz
Noise Level (E.I.N.)	-128 dB	Operation Temperature	0 to +40 degrees Celsius +32 to +104 degrees Fahrenheit
Network Latency	375 microseconds when using REAC cable only (AD - REAC - DA Latency: about 1.2 ms)	Accessories	Power Cord, REAC cable (10 m, Cat5e crossover cable) Adhesive-backed number label sheets, REAC Connector Covers Ferrite Cores. Owner's Manual

S-4000S-3208



0 dBu = 0.775 Vrms					
	0	AD.	_ 0	775	\/rmc

Number of Channels	8 in 32 out		EXT Indicator (External Power Supply Unit)
AD Conversion	Sample Rate: 96.0 kHz Signal Processing: 24 bit	- Indicators	INT Indicator REAC Indicator
DA Conversion	Sample Rate: 96.0 kHz Signal Processing: 24 bit	indicators	CTRL Indicator ALARM Indicator
Frequency Response	-2 dB / +0 dB (@ +4 dBu, 20 Hz to 20 kHz)		MUTE ALL OUTPUTS Indicator
Total Harmonic Distortion + Noise	0.05 % or less (Input Gain: +4 dBu, 22 to 20000 Hz)	AC Power Supply DC Power Supply	AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz) +24 V (from optional external power supply unit : S-240P):
Dynamic Range	110 dB		70 W
Cross Talk	-80 dB	Power Consumption Current Draw	70 W
Nominal Input Level	+4 dBu. Max. +22 dBu	(for an optional external	6 A
Input Impedance	30 k ohms	power supply unit; Model S-240P)	
Nominal Output Level	+4 dBu, Max. +22 dBu		482.0 (W) x 386.7 (D) x 133.0 (H) mm
Output Impedance	600 ohms	Dimensions	19 (W) x 15-1/4 (D) x 5-1/4 (H) inches
Recommended Load	10 k ohms or greater	Weight	9.4 kg, 20 lbs 12 oz
Impedance Residual Noise Level	-90 dBu	Operation Temperature	0 to +40 degrees Celsius +32 to +104 degrees Fahrenheit
(IHF-A, typ.)	-90 dBu		Power Cord, REAC Connector Covers, Ferrite Cores,
Network Latency	375 microseconds when using REAC cable only (AD - REAC - DA Latency: about 1.2 ms)	Accessories	Connector Guard, Screws for Connector Guard Installation Manual
Connectors	Input: 1 (DB-25 type, balanced, 8 channels) Output: 4 (DB-25 type, balanced, 32 channels each) REAC: MAIN, BACKUP (RJ-45 EtherCon type) Remote Connector: 1 (RS-232C, DB-9 type) MIDI Connectors: IN, OUT (5-pin DIN type)		* 0 dBu = 0.775 Vrm:



S-1608/S-0816

S-1608/S-0816 Specifications

Number of Channels	S-1608: 16 in 8 out S-0816: 8 in 16 out
AD and DA Conversion	24 bit / 96 kHz
Frequency Response	-2 dB / +0 dB (@ +4 dBu, 20 Hz to 20 kHz)
Total Harmonic Distortion + Noise	0.05 % or less (Pad: On, Input Gain: +4 dBu, 22Hz to 20 kHz)
Dynamic Range	110 dB
Cross Talk	-80 dB or less (Input Gain: +4 dBu, typ.)
Nominal Input Level	-65 to -10 dBu (PAD: Off), -45 to +10 dBu (PAD: On)
	(1 dB step, Max. +28 dBu)
PAD	20 dB On/Off
Input Impedance	14 k ohms
Nominal Output Level	+4 dBu, Max. +22 dBu
Output Impedance	600 ohms
Recommended Load Impedance	10 k ohms or greater
Residual Noise Level (IHF-A, typ.)	-80 dBu or less
Equivalent Input Noise Level	S-1608: -128 dB
Network Latency	375 microseconds when using REAC cable only (*1)
	(AD>REAC>DA Latency: approx 1.2 ms)
Connectors	S-1608 : Analog Input x 16 (XLR type, balanced, phantom power)
	Analog Output x 8 (XLR type, balanced)
	Digital Output connector x 1 (Optical type)
	REAC Connector x 1 (RJ-45 EtherCon type)
	Remote Connector x 1 (RS-232C, DB-9 type)
	S-0816: Analog Input x 8 (XLR type, balanced, phantom power)
	Analog Output x 16 (XLR type, balanced)
	Digital Output connector x 1 (Optical type)
	REAC Connector x 1 (RJ-45 EtherCon type)
	Remote Connector x 1 (RS-232C, DB-9 type)
Indicators	POWER Indicator x 1, REAC Indicator x 1,
	REMOTE Indicator x 1, MUTE ALL OUTPUTS Indicator x 1
Power Supply	AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)
Power Comsumption	45W



-1608/S-0816 with rack mount kit

S-1608/S-0816

482	
(each input, remote controlled)	
D) x 177 (H) mm or	

Phantom Power	+48 V / 14 mA (each input, remote controlled)
Dimensions	401 (W) x 135 (D) x 177 (H) mm or
	15-13/16 (W) x 5-3/8 (D) x 7 (H) inches
Weight	5.5 kg 12 lbs 3 oz
Operation Temperature	0 to +40 degrees Celsius
	+32 to +104 degrees Fahrenheit
Accessories	Power Cord x 1, REAC Connector Cover x 1, Ferrite Cores x 1
	Rubber Foot x 4, Rack Mount Kit x 1, Owner's Manual

^{*1:} 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.

* O dBu = 0.775 Vrms

S-4000R Remote	Control Unit	
Connector	Remote Connector: 1 (RS-232C, DB-9 type)	
Indicators	CLIP Indicators, SIG Indicators, POWER Indicator, REAC Indicator, CTRL Indicator, Level Meter	
Power Supply	Supplied from connected device. (S-4000S, S-4000H; through the remote cable)	
Dimensions	215.0 (W) x 87.0 (D) x 54.6 (H) mm, 8-1/2 (W) x 3-7/16 (D) x 2-3/16 (H) inches	
Weight	0.8 kg, 1 lb 13 oz	
Operation Temperature	0 to +40 degrees celsius, +32 to +104 degrees Fahrenheit	
Accessories	Remote Cable (3 m), Rack Mount Brackets, Installation Manual	

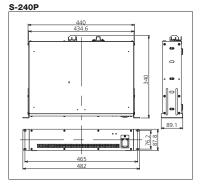
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			54.6

S-4000B

Connectors	MAIN REAC (RJ-45 EtherCon type) x 5 BACKUP REAC (RJ-45 EtherCon type) x 5	
Indicators	MAIN LNK/ACT Indicator: Green x 5, Orange x 5	
	BACKUP LNK/ACT Indicator: Green x 5, Orange x 5	
	POWER A Indicator x 1, POWER B Indicator x 1	
Power Supply	AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)	
Power Consumption	13 W	
Dimensions	482.0 (W) x 224.8 (D) x 43.8 (H) mm or 19 (W) x 8-7/8 (D) x 1-3/4 (H) inches	
Veight	2.8 kg or 6 lbs 3 oz	
Operation Temperature	0 to +40 degrees Celsius or +32 to +104 degrees Fahrenheit	
Accessories	Power Cord x 2, REAC Connector Cover x 10, Rubber Foot x 4, Owner's Manual	

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Connectors	AC Input and DC Output
Indicators	POWER and ALARM (front panel)
Power Supply	AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)
Power Output	+24V/6A DC
Power Consumption	180 W
Dimensions	482 (W) x 340 (D) x 89 (H) mm or 19 (W) x 13-7/16 (D) x 3-9/16 (H) inches
Weight	5.4 kg or 11 lbs 15 oz
Operation Temperature	0 to +40 degrees Celsius or +32 to +104 degrees Fahrenheit
Accessories	Power Cord, Owner's Manual



S-OPT REAC Optical Converter Unit	
Connectors	OPTICAL Port(Dual LC, OpticalCon type) x 1, REAC Port (RJ-45, EtherCon type) x 1, POWER LINK Port (mini-DIN 8pin type) x 1
Indicators	REAC ACTIVE Indicator: Green x 1, REAC CONNECTION Indicator: Green x 1, OPTICAL ACTIVE Indicator: Orange x 1, OPTICAL
	CONNECTION Indicator: Orange x 1, POWER EXT Indicator: Blue x 1, POWER INT Indicator: Blue x 1
Power Supply	AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)
Power Consumption	10 W
Dimensions	218.0 (W) x 239.9 (D) x 46.3 (H) mm, 8-5/8 (W) x 9-1/2 (D) x 1-7/8 (H) inches
Weight	1.3kg, 2 lbs 14 oz
Operation Temperature	0 to +40 degrees centigrade, +32 to +104 degrees Fahrenheit
Accessories	Power Cord x 1, REAC Cable (5m) x 1, REAC Connector Cover x 1, Rubber Foot x 4, Screw Set x 1, Owner's Manual
Options	REAC Cable(100m): SC-W100S, POWER LINK Cable: ARC-15 (AR-LINK CABLE), Rack Mount Adaptor: RAD-50

Optional Items

S-4000R

Remote Controller

S-4000R can be used with both the S-4000S and S-1608 snake systems. It provides easy remote control of gain adjustments and controls Phantom power and PAD Settings. The $\mbox{S-4000R}$ can save up to 10 setups to internal memory for instant recall of the all settings.



S-OPT

REAC Optical Converter Unit

The S-OPT unit converts REAC signals to and from optical signals for long distance digital audio transmission (up to 2km or 1.2 miles).



S-240P

External Power Supply Unit

Supplies redundant DC power to an S-4000S or S-4000H. Outputs DC24V 6A power.



W100S-R 100 meter REAC Cable and Reel

Reel-mounted crossover cable with Neutrik(R) Ethercon connectors

S-4000-SP

REAC Splitter

The S-4000SP is a dual 5-port dedicated gigabit splitter for the RSS Digital Snake System that provides the highest level of reliability with backup REAC ports, two power supplies and Neutrick(R) Ethercon Connectors.





Analog Breakout cables for connecting an S-4000H with a mixing console



SC-A0805DF 25 pin D-Sub Female XLR (x8) cable x1 Length: 4.5 meters



SC-A0805DM 25 pin D-Sub Male XLR (x8) cable x4 Length: 4.5 meters

S-4000 RCS

Remote Control Software

As an alternative to the S-4000R a computer can be connected to the REMOTE terminals (RS-232C) of any snake system and controlled by the S-4000 RCS Remote Control Software. This software is available as a free download for Mac or PC.





"The fact that there is no noise when I turn the snake on is a vast improvement over previous years. No hums, buzzes or clicks, which means one less place to look when I am trouble shooting,"

Jon Laterza, Freelance Audio Engineer, Lincoln Center Out of Doors Festival, NY



"The sonic quality and clarity of the digital snake is awesome, I feel and hear the dynamics of the sound clearer than any analog snake. Plus it's extremely easy to move for touring."

Bernie Sandor Springfever Productions, Toronto, Canada



"Even though sound quality was an important factor in selecting the RSS Snake, the flexibility of the system was the key selling point. We're thrilled to have invested at the beginning to have a system to grow with us for years."

Rick Charleton
Audio Engineer, Grace Lutheran Church



"The 64x16 system is perfect; it's very flexible, so we can configure the I/O's as needed for ballroom events, our live concert locations and any special audio need."

Gino Mulcahy Mohegan Sun Casino



"What can I say... the Digital Snake just worked flawlessly and sounded great!"

Jefferey Bruton GMB Technical (KPLU), Seattle, WA



"Never in my decades of audio experience had I heard such a vast improvement in sound quality."

Art Yeap, Designer/Integrator Co-Owner of the Novo Group Inc.



"We tested the RSS snake against a 300 foot copper snake. The Cat5 audio was much smoother overall. It has much greater clarity at the top end. We did a blind listening test and chose the RSS Digital Snake every time!"

Jon Garber FOH Engineer, Rascal Flatts

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In the Americas: www.rolandsystemsgroup.com/snake Worldwide: www.rolandsystemsgroup.net

