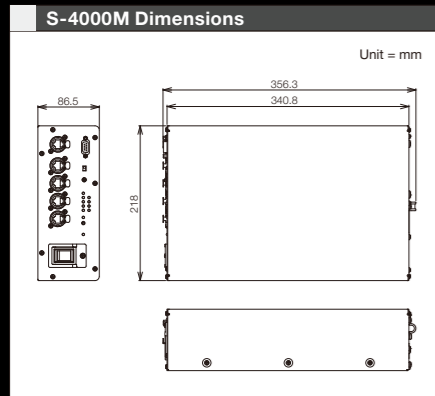


S-4000M Specifications			
Connectors	REAC (RJ-45 EtherCon type) x 1	Power Supply	AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)
	REAC EMBEDDED POWER (RJ-45 EtherCon type) x 4		Power Consumption
Indicators	REAC EMBEDDED POWER: Red x 4	Dimensions	218.0 (W) x 356.3 (D) x 86.5 (H) mm, 8-5/8(W) x 14-1/16(D) x 3-7/16(H) inches
	LINK: Green x 5	Weight	3.0 kg, 6 lbs 10 oz
Switches	POWER: Blue x 1	Accessories (Included)	Power Cord x 1, REAC Connector Cover x 5, Ferrite Core x 5, Rubber Foot x 4 Fastening Screw x 4, Owner's Manual x 1
	AUTO MAP SLAVE UNITS: Red x 1		



**Options**



Remote Controller  
**S-4000R**

Provides gain control setting for each channel and ON/OFF switching of PAD and phantom power.



8x8 I/O UNIT  
**S-0808**

8 in/8 out I/O unit. Supports external battery operation and power supplied over a Cat5e cable.



8in/32out FOH UNIT  
**S-4000H**

FOH I/O unit that uses D-Sub connectors. Bundled cable protector.



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.

**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-4000M REAC MERGE UNIT



**Merge Multiple REAC Devices to Enable a Whole New World of Configurations**

*Digital Snake*  
Multi Channel Digital Audio Transfer System

- Merge up to 4 REAC devices into a single REAC stream
- Power REAC devices supporting embedded power
- Assign channels automatically with auto map function



# Enable new Digital Snake possibilities by merging up to four REAC devices.

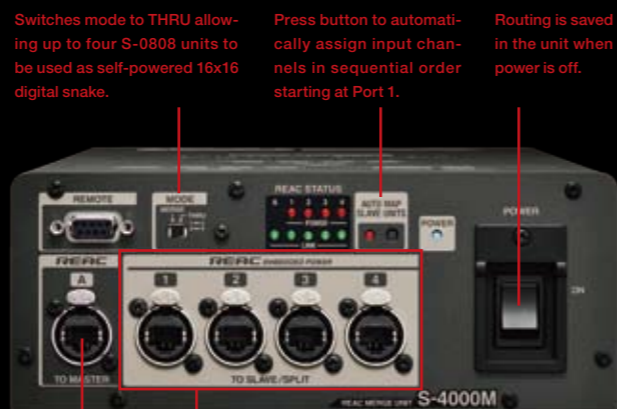
Patch input and output assignments using PC software or the M-400/M-380 V-Mixer. Automatically assign input channels using the Auto Map feature.

## S-4000M REAC Merge Unit

### Merge up to four REAC devices together.

The S-4000M merges up to four Digital Snake heads, such as the S-0808, S-1608 and S-4000 series, and merges the input/output to a single REAC signal. Ports 1 to 4 supply REAC embedded power to compatible product such as the S-0808. The intelligent Auto Map function assigns input channels automatically. REAC master devices recognize the S-4000M as a single REAC slave unit even when multiple digital snake heads are connected.

▲ Screen of S-4000RCS - dedicated remote control software  
40Ch sources can be selected from up to 160Ch inputs on REAC port 1 to 4 (Up to 40Ch for each) using the patch-bay.



Switches mode to THRU allowing up to four S-0808 units to be used as self-powered 16x16 digital snake.  
Press button to automatically assign input channels in sequential order starting at Port 1.  
Routing is saved in the unit when power is off.  
Connect digital snake heads to ports 1 to 4. Connected I/O is merged into a single REAC signal to/from the master. Power is also supplied to compatible devices such as the S-0808.  
REAC port A sends the merged signal to the master digital snake head or M-400/M-380 V-Mixer.

### Configure Routing from a PC or V-Mixer.

The M-400/M380 V-Mixer or dedicated PC Remote Control Software (S-4000RCS) configures routing, input gain, PAD and phantom power.

### Distribute outputs to multiple devices.



▲ Screen of S-4000RCS - dedicated remote control software

The S-4000M also serves as a distributor of outputs and/or splitter. Any inputs returning from Port A (Master) are distributed to the outputs depending on the devices connected. When S-0808s are connected, specific output assignments can be set.



▲ Remote Control Software S-4000RCS  
※ Support OS: Windows® XP/Vista/7  
※ Free download available from the Roland Systems Group website. (USB-RS232C is needed)



▲ Mixing Console M-380 V-Mixer

# Easily distribute multiple I/O units for more flexible system configurations.

### Multi-point Broadcasting System (32x8)

Enable multiple broadcast points by using up to 4 S-0808 merged into an S-4000M. Power is provided to each S-0808 over each REAC cable (Cat5e).



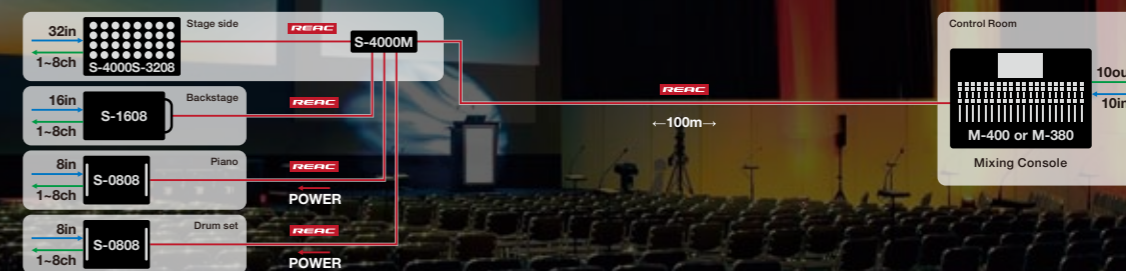
### Live Stage Mixing Snake System (32x32)

Use four S-0808 units around the stage and merge the I/O back to the master FOH I/O unit connected to the digital mixing console. Distribute the S-0808 units in the most convenient locations next to drum riser, keyboard area, background vocals, etc.



### Installed Live Audio Mixing System (40x24)

This system enables a variety of digital snakes to be used in an installation where many inputs or outputs may be required around a venue. Using the routing ability within the S-4000M, assign or patch to any input - all controlled via the V-Mixer.



### 16x16 Self-Powered Digital Snake

Using the S-4000M in "THRU" mode allows 2 sets of S-0808 pairs to be used as a complete digital snake system. REAC signals travel from REAC port 1 to 2 and REAC port 3 to 4.

