S-4000M
REAC MERGE UNIT

Digital Snake
Multi Channel Digital Audio Transfer System

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

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

REAC

Compact and light-weight with support for external battery. The new flexibility in digital audio transfer.

The S-0808 has unprecedented mobility enabling further convenience in many applications such as broadcast, event, live stage, audio installation and location sound. Enjoy flexibility in setup using external battery operation or power supplied over REAC.

All channels equipped with superb quality preamps. Eliminate the need for direct boxes with inputs 5 - 8 supporting balanced TRS and as well as 7 and 8 supporting Hi-Z from guitars.

DC input for External Battery.
Power supplied over REAC (REAC Embedded Power).

■ S-4000R Remote Controller

Dedicated remote controller for the Digital Snake series. Gain level, pad and phantom power are remotely controllable.

■ S-4000RCS Remote Control Software

Dedicated remote control software for the Digital Snake series. Monitor all 40 channels and control gain levels, pad, and phantom power from your PC.

S-0808 8x8 I/O Unit

Compact and Light-weight

The S-0808 weighs around 3kg (6.6lbs) enabling easy setup. Rugged construction with steel handles withstands the rigors of live and frequent use. Fan-less design enables quiet operation in any environment.

Superb Quality, Fully Discreet Preamp

All inputs employ a high quality preamp with fully discreet circuit design resulting in outstanding sound. Eliminate the need for direct boxes by using the TRS or Hi-Z inputs. Control input gain (-65 to +10dBu), Pad and Phantom Power via a dedicated S-4000R Remote Controller or using the PC Remote Control Software (S-4000RCS). When using as part of a V-Mixing System, these parameters are controlled directly from the M-400 or M-380 V-Mixer.
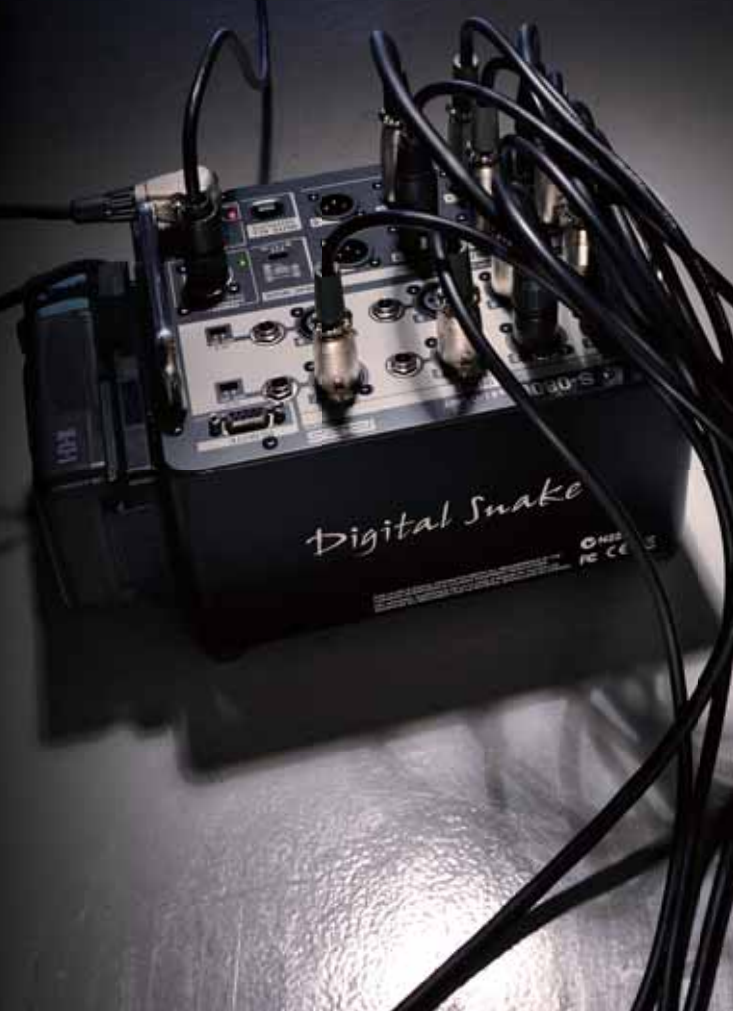
Power Options

The S-0808 supports unique types of power supply - REAC Embedded Power, and External Battery Options. Choose the type of power conducive to you location and application. Having not to rely on AC power opens up a world of convenience and flexibility. V-Mount (IDX) and Gold Mount (Anton Bauer) battery systems and mounts are supported using the included adapter plate.

Battery-Powered 8x8 Snake

S-4000R

8in → S-0808 → 8ch → REAC → S-0808 → 8out
8out ← S-0808 ← 8ch ← ←100m→ ← S-0808 ← 8in

DC
BATTERY

DC
BATTERY

An 8 input, 8 output simple digital snake system - ideal when AC power is not convenient or available.

Unparalleled Flexibility and Expandability.
The Digital Snake advantage.

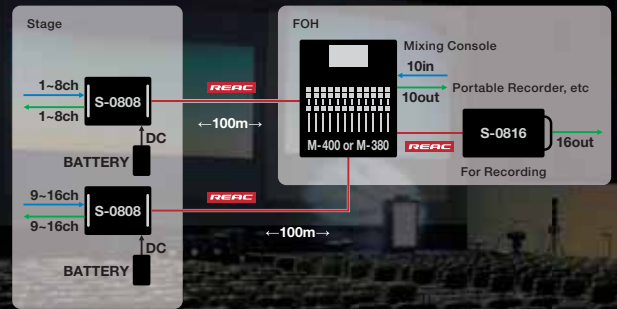Configure for a variety of applications and environments.
Connectivity is simple enabling rapid system changes, expansion and flexibility.

Simple Mobile Broadcasting System (8in/8out)

Field Location

8in
8out
S-0808
8ch
8ch
REAC
POWER
←100m→

Broadcast Truck (OB Van)

S-4000R
S-4000M
REAC
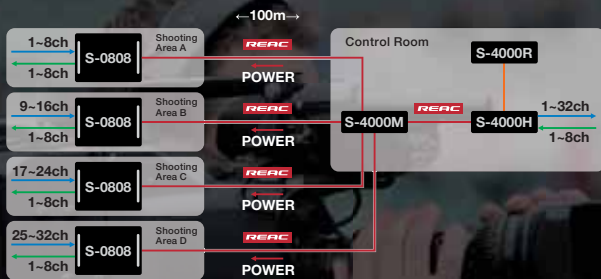**POWER**
S-0808
8out
8in

Simple system setup using a pair of S-0808s. The S-4000M in a Broadcast Truck (OB Van) provides power to the remote location. Control the remote inputs using the S-4000R.

Event/Concert System with Battery-powered I/O Units (26in/42out)

Stage

1~8ch
1~8ch
S-0808
REAC
←100m→
BATTERY / DC

9~16ch
9~16ch
S-0808
REAC
←100m→
BATTERY / DC

FOH

Mixing Console
10in
10out
M-400 or M-380

Portable Recorder, etc
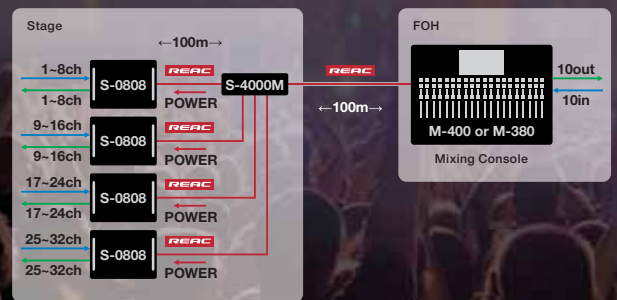**REAC**
S-0816
16out
For Recording

Small concert/event configuration using two battery-powered I/O units enable convenience in placing the talent where AC power is not necessarily available. Mix using your choice of V-Mixer.

Broadcasting System with Multiple Locations (32in/8out)

←100m→

1~8ch
1~8ch
S-0808
Shooting Area A
REAC
POWER

9~16ch
1~8ch
S-0808
Shooting Area B
REAC
POWER

17~24ch
1~8ch
S-0808
Shooting Area C
REAC
POWER

25~32ch
1~8ch
S-0808
Shooting Area D
REAC
POWER

Control Room

S-4000R
S-4000M
REAC
S-4000H
1~32ch
1~8ch

This system allows I/O to be place in 4 separate locations using S-0808s. The signals from the 4 units are merged by the S-4000M as it travels to the S-4000H breakout location. Power to each of the S-0808s is supplied by the embedded power over REAC in the S-4000M.

Live Stage Mixing System (32in/32out)

Stage
←100m→

1~8ch
1~8ch
S-0808
REAC
POWER

9~16ch
9~16ch
S-0808
REAC
POWER

17~24ch
17~24ch
S-0808
REAC
POWER

25~32ch
25~32ch
S-0808
REAC
POWER

S-4000M
REAC
←100m→

FOH

10out
10in
M-400 or M-380
Mixing Console

This system enables the placement of S-0808 units around a stage conveniently located by the drum riser, keyboards, background vocals, etc.
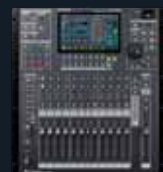
■ S-4000M Merge Unit

Up to 4 REAC devices can be merged to a single REAC stream. Power can also be provided to each S-0808 using REAC Embedded Power technology.
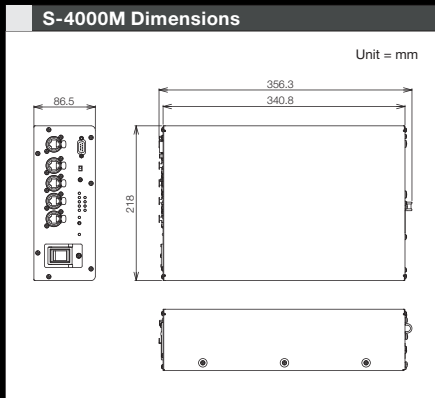
■ M-400/M-380 Live Mixing Console

The Live Mixing Console which uses the Digital Snake series as I/O units. 48 input/18 bus/8 matrix/56 output mixing capability allows use at a large variety of live events.

M-380

S-4000M Specifications

Connectors	REAC (RJ-45 EtherCon type) x 1 REAC EMBEDDED POWER (RJ-45 EtherCon type) x 4 REMOTE (RS-232C, DB-9 type) x 1	Power Supply	AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)
		Power Consumption	1.6A/AC 115 V/AC 117V 0.9A/AC 220 V/AC 230 V/240 V (At max output of REAC EMBEDDED POWER)
Indicators	REAC EMBEDDED POWER: Red x 4 LINK: Green x 5 POWER: Blue x 1 AUTO MAP SLAVE UNITS: Red x 1	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
		Weight	3.0 kg, 6 lbs 10 oz
Switches	POWER x 1, MODE x 1, AUTO MAP SLAVE UNITS 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

S-4000M Dimensions

Unit = mm

86.5
356.3
340.8
218

Options

Remote Controller
S-4000R
Provides gain control setting for each channel and ON/OFF switching of PAD and phantom power.

8×8 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.

Digital Snakes
Personal Mixers
M-48 LIVE PERSONAL MIXER
Digital Snake
V-Mixer
SONAR cakewalk by Roland
Digital Consoles
Recording

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.)

Roland Systems Group

www.rolandsystemsgroup.com/s4000m