







R-1000 Specifications	
<b>Tracks</b>	48 maximum (44.1 / 48.0 kHz) 24 maximum (96.0 kHz)
<b>DA Conversion</b>	Sample Rate: 44.1 / 48.0 / 96.0kHz Signal Processing: 24 bits
<b>Data type</b>	BWF (Broadcast Wave Format) Sample Rate: 44.1 / 48.0 / 96.0kHz Bit Depth: 24 bits
<b>Media</b>	Removable hard disk
<b>Connectors</b>	USB connector (EXTERNAL STORAGE): USB type A (Support mass storage) USB connector (PC): USB type B (Support USB-MIDI) MONITOR OUT jacks (1, 2): XLR-3-32 type (Balanced) PHONES jack: Stereo 1/4 inch phone type REAC ports (A, B, C, D): RJ-45 EtherCon type RS-232C connector: 9-pin D-sub type MIDI connectors (IN, OUT/THRU): 5-pin DIN type GPI jack: 1/4-inch phone type VIDEO SYNC (BLACK BURST) jacks (IN/THRU): BNC type
<b>Connectors</b>	WORD CLOCK jacks (IN/THRU): BNC type SMPTE (LTC) IN jack: BNC type Grounding terminal AC INPUT connector * XLR type: 1 GND, 2 HOT, 3: COLD
<b>Recording Time</b>	24bit/44.1kHz/48 Tracks: 500GB/1300min 24bit/48.0kHz/48 Tracks: 500GB/1200min 24bit/96.0kHz/24 Tracks: 500GB/1200min * These recording times are approximate. Your actual results may vary somewhat. * If multiple projects and songs exists, the total recordable time will be less than these.
<b>Display</b>	320 x 240 dots backlit TFT color touch screen
<b>Power Supply</b>	AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)
<b>Dimensions</b>	482.0 (W) x 383.6 (D) x 132.5 (H) mm 19 (W) x 15-1/8 (D) x 5-1/4 (H) inches
<b>Weight</b>	7.3 kg 16 lbs 2 oz

\* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

### REAC Line up

<b>S-4000S-3208</b> 40CH I/O MODULAR RACK • 32in/8out flagship I/O unit 	<b>S-4000S-MR</b> 40CH I/O MODULAR RACK • Modular rack chassis with no preinstalled In/Out modules 	<b>SI-AD4</b> 4-channel Analog Input Module <b>SO-DA4</b> 4-channel Analog Output Module <b>SI-AES4</b> 4-channel Digital Input Module <b>SO-AES4</b> 4-channel Digital Output Module 	<b>S-1608</b> STAGE UNIT • 16in/8out I/O unit 
<b>V-Mixer M-480</b> Live Mixing Console • 48 Mixing Ch/6 Stereo Return/19 Bus/8 Matrix, flagship console of V-Mixer lineup 	<b>V-Mixer M-380</b> Mixing Console • Rack-mountable 48-channel console 	<b>V-Mixer M-300</b> Mixing Console • Powerful and compact, 32 Mixing Ch/11 Bus/4 Matrix digital mixing console 	<b>VS-700C</b> V-STUDIO Console <b>VS-700R</b> V-STUDIO I/O • Ultimate recording and editing solution for use with REAC systems 

### Options


<b>HDD-500G</b> HARD DISK DRIVE UNIT (500GB) • Dedicated removable hard disk drive • 20 hours recording (44.1/48kHz) 	<b>W100S-R</b> REAC CABLE (100m) • 100 meter Cat5e cable on reel for REAC signal transmission • Crossover Ethernet cable with Neutrik® Ethercon connectors on both ends 	<b>SC-W100S</b> REAC CABLE (100m) 
	<b>SC-W20F</b> REAC CABLE (20m) 	

### REAC High quality sound with ease and flexibility

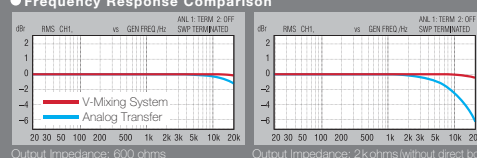
REAC—advanced audio transfer technology

REAC (Roland Ethernet Audio Communication) technology is the cornerstone of the V-Mixing System. REAC is Roland's original technology for low latency, high quality digital audio transfer. REAC is an Ethernet-based technology that enables multiple components to be easily integrated using lightweight Cat5e/6 cable. With just a single inexpensive cable, 40 x 40 channels of 24-bit uncompressed audio data (including level and control information) are transferred.

Multiple analog cables used to transmit audio at low gain levels can result in issues such as unwanted noise, sound quality deterioration, and crosstalk between channels. With REAC, these problems are eliminated because pre-amp gain is set before the data is transmitted digitally. REAC is audio transmission technology over Ethernet cable that provides high quality sound with the bonus of convenient setup.



**Frequency Response Comparison**



**Roland Systems Group** Roland Systems Group, a member of the worldwide group of Roland companies, is dedicated to the support of audio and video professionals demanding excellence in both performance and system design. Through the development and support of video and audio products, we endeavor to improve workflow and maximize creative possibilities.

**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.)

## 48-TRACK RECORDER/PLAYER

# R-1000

Capture. Playback. Soundcheck. Rehearse.



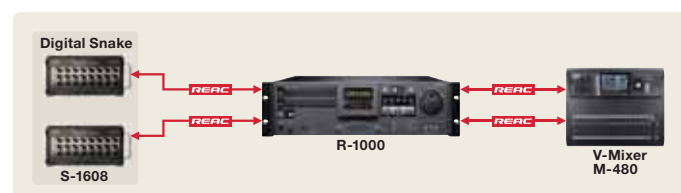




# Ideally Suited for Many Configurations and Applications

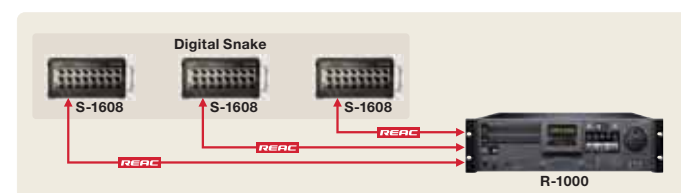
## Recording, Sound Check, Backing Track & Playback System (V-Mixer)

The R-1000 can be used as a 48-channel multi-track recording and playback system for live concerts and productions. Utilizing the benefit of bi-directional audio with REAC, the R-1000 can be connected between the V-Mixer and the Digital Snake for recording, sound check, rehearsals and training exercises.



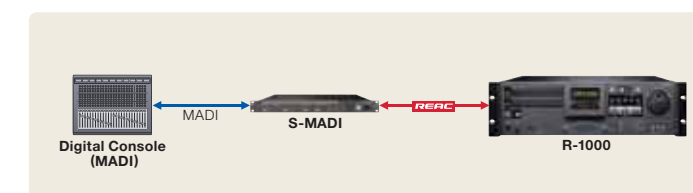
## Live Recording / Playback System (Digital Snakes)

S-1608 or S-4000 Series Digital Snakes can be connected directly to the R-1000 for recording of live events from direct sources or from an analog split. The Digital Snake preamps can be directly controlled from the R-1000 interface or by connected RCS software. Playback of up to 48 tracks is also possible by connecting Digital Snakes configured as outputs.



## Live Recording / Playback System (MADI)

Enjoy a 40-channel live recording/playback system with any MADI-equipped digital console by using the S-MADI Bridge with the R-1000. Use two S-MADI units to record/playback up to 48 channels.



# R-1000

## 48-TRACK RECORDER/PLAYER

### Records in Standard Broadcast WAV Format

Records up to 48 tracks of 24-bit audio in BWF format  
 Approximately 20 hours recording (44.1/48kHz) using a 500GB HDD  
 Removable Hard disk drive ensures smooth integration with DAWs such as SONAR.



### Easy and intuitive operation for recording, sound check, rehearsals...

The R-1000 is controlled directly not only using Built-in LCD monitor but also from any V-Mixer or a PC/Mac with R-1000RCS software. Using the virtual preamp function, an engineer can tune the sound system for a new venue by playing back a mix through the console without the need for performers to be present for sound check. Equally powerful function when using as a tool to teach and train the art of mixing.



Control directly from PC/Mac with R-1000RCS  
 \*R-1000RCS for PC or Mac can be downloaded from [www.rolandsystemsgroup.net](http://www.rolandsystemsgroup.net).