Roland

R-44-CHANNEL PORTABLE RECORDER

Compact and light-weight 4-channel audio field recorder. Professional quality recordings with sampling rates up to 24-bit/192kHz. Uncompressed 24-bit/192kHz linear PCM Supports SDHC large capacity media

-EDIROL- ces





Pro quality four channels recordings to large capacity SDHC cards.

The Edirol R-44 is designed for professional use within a very conveniently sized package. Capture up to 4 channels of uncompressed audio with selectable bit depths (16-bit or 24-bit) and sampling frequencies (44.1kHz/48kHz/88.2kHz/96kHz). R-44 employs SD

cards or large capacity SDHC cards as the recording media. No moving parts enables the most silent and reliable operation possible.



Built-in stereo microphones and monitor speakers.

Although the R-44 is compact, all the necessary functions are included. Built-in high quality microphones and speakers make recording and monitoring without external devices possible.

Built-in limiter, low-cut filter and studio class effects.

An on-board limiter helps suppress sudden peaks in sound from an input source. A low-cut filter is included to help prevent things like wind noise or mic handling noise. Studio class effects such as 3-Band EQ, 6-Band GEQ, Enhancer or DeEsser can be used as tools to greatly improve audio quality. Effects can be applied while recording or simply for monitoring/ playback.

Bulit-In Effects

3-Band EQ	3-band parametric EQ ; allows precise equalization with high/low shelving and peaking		
6-Band Graphic EQ	6 point frequency band equalization; ideal for recording		
Noise Gate Minimizes noise during low audio levels, cuts low frequency noise			
Enhancer	Cleary defines and enhances sound; good for dialogue		
Comp & DeEsser Cuts hissing, smoothens the sound, makes audi uniform			
MS Mic Mixing	Generates stereo mix with specified spread from inputs of Mid-Side Microphones		

* Effects can be applied on both input and output * Effects are not available while sample rate is set to 192kHz

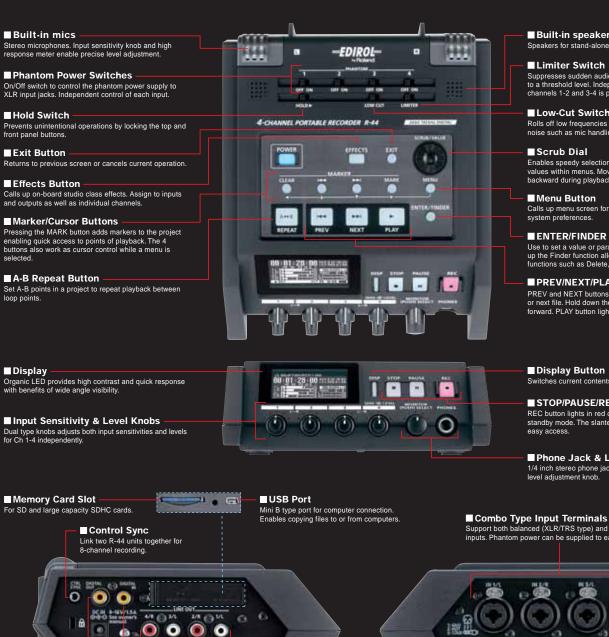
Pre-Record function ensures you never miss that important moment again.

The Pre-Record function buffers input signals for a certain amount of time. When the REC button is pressed, the material from the previous few seconds (selectable) is included. This also helps reduce sound bites at the beginning of a recording by not having to start the recorder too early.

Combo type analog jacks and digital output enables connection with a variety of devices.

The combo input jacks (4) supports the connection of both XLR and 1/4 inch plugs. XLR inputs are equipped with phantom power. Eleven steps of input sensitivity enable the connection of various devices with a variety of inputs levels





Digital Output Digital coaxial type connector for output to external digital devices such as speakers/mi

Line Output Terminals Four RCA jacks for independent monitoring of all channels

Digital Input Digital coaxial type connector for inputting digital signals.

Built-in speakers Speakers for stand-alone monitoring.

Limiter Switch

Suppresses sudden audio peaks and compresses signal to a threshold level. Independent On/Off or stereo link of channels 1-2 and 3-4 is possible.

Low-Cut Switch

Rolls off low frequencies within input signals to prevent noise such as mic handling, breath pops or wind noise.

Scrub Dial

Enables speedy selection of parameters or changing values within menus. Moves current position forward or backward during playback or pause

Menu Button

Calls up menu screen for REC/PLAY setup or other system preferences.

ENTER/FINDER Button

Use to set a value or parameter selection. This also calls up the Finder function allowing file management functions such as Delete, Copy, Move, etc.

PREV/NEXT/PLAY Buttons

PREV and NEXT buttons allow selection of the previous or next file. Hold down these buttons for rewind or fastforward. PLAY button lights in blue during playback.

Display Button

Switches current contents to be shown on display.

STOP/PAUSE/REC Buttons

REC button lights in red during recording and blinks in standby mode. The slanted panel provides smooth and easy access.

Phone Jack & Level knob

1/4 inch stereo phone jack for headphone connection and level adjustment knob.

Support both balanced (XLR/TRS type) and unbalanced (standard type) inputs. Phantom power can be supplied to each XLR jack.



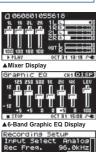


USB 2.0 A Windows Vista*/Windows*XP/2000 Mac OS X * SD Memory Card and Batteries are not included.

from microphones to musical instruments. High quality analog circuitry in the preamp ensures superior recording results.

High-contrast Organic LED display and operation-oriented user interface.

The high contrast, high response organic LED screen, viewable from wide angles ensures fluid operation in field recording situations. The high response of level meters makes precise level adjustments possible. All the necessary switches and knobs are located on the top and front panels. Self-lit buttons on all the key controls enable clear-cut recording operations.



ST ect Name

▲Recording Setup Display

8-channel recording in a compact space

and at an affordable price.

Link to computer via high speed USB.

simple USB 2.0 connection. It is seen as an USB

storage device on a computer. You can copy data back and forth with a simple drag & drop operation.

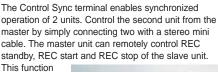


Four hours of recording with four AA batteries.

The R-44 can be operated with 3 types of power supply, AC adaptor, external battery and AA batteries. Four hours* of operation is possible with NiMH or alkaline batteries.

* at 16-bit/44.1kHz stereo. No phantom power and pre-record disabled.





Capture eight channels by linking

enables

two units.

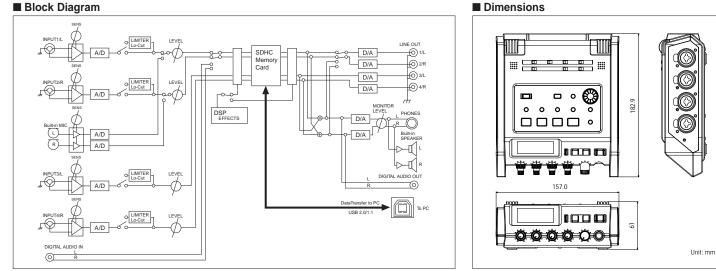
The R-44 can be mounted on computers with a

Specifications

Recorder Section		Recommended Load Impedance	Line : 4k ohms or greater Headphone : 16 ohms or greater
Channels Data Type	4 Format : WAV/BWF	Output Level	Headphone : 10 offits of greater Line Output :-20 dBu (fixed) Headphone : 40 mW + 40 mW
Sampling Bit Rate	16/24-bit	Total Harmonic Distortion + Noise	Line Output : 0.02 % (Input Sens : +4 dBu)
Sampling Frequency	44.1kHz/48kHz/88.2kHz/96kHz/192kHz (Limited to Stereo x 1 at 192kHz) * 16 or 24-bit sampling rate can be selected with any frequency	Noise Level	Line Output : -100 dBu (Input Sens : +4 dBu, Input Level : Center)
Recording Media	SDHC memory card (compatible with 64 MB - 8 GB*)	Residual Noise Level	Line Output : -103 dBu (Input Sens : +4 dBu, Input Level : Minimum)
J	* As of November 2007.	Frequency Response	20Hz - 40kHz(0/-3 dB)
Recording Time using 8 GB SDHC card	16 bit/44.1kHz 16 bit/48kHz 24 bit/48kHz 24 bit/92kHz 24 bit/92kHz Stereo 755 minutes 694 minutes 462 minutes 231 minutes 115 minutes	Dynamic Range	AD : 100 dB DA : 104 dB
	Stereo 755 minutes 694 minutes 462 minutes 231 minutes 115 minutes 4 ch 377 minutes 347 minutes 231 minutes 115 minutes	Phantom Power	48 V + or - 4 V, 8 mA per 1 channel (20 mA or less in all channels)
	* Recording times are approximate. Actual results may vary somewhat.	Other Terminals	
	* If more than one recorded file exists, the total recordable time will be less than listed.	USB Port	Mini-B Type Connecter USB 1.1 or 2.0 High Speed (Mass Storage Class)
Input and Output			
Analog Input	Ch 1 - 4 : XLR/TRS Combo type, XLR type (phantom powered), TRS type (balanced/unbalanced), Stereo Built-in Microphones	Control Sync Jack	Stereo Mini Type Jack Word clock sync and start/stop remote control of 2 units * Remote control function does not guarantee the exact same REC start time
Analog Output	Ch 1 - 4 : RCA Pin type (line output) Headphone : Stereo Phone type (1/4 inch)	Others	
Digital In/Out	RCA Pin type (IEC 60958-3)	Display	128 x 64 dot organic LED
Input Impedance	XLR: 4k ohms or greater (balanced), TRS: 6k ohms or greater (balanced)	Power Supply	AC adaptor (PSB-1U), AA type battery x 4 (Alkaline or NiMH)
Nominal Input Level	11 steps : -56, -50, -44, -38, -32, -26, -20, -14, -8, -2, +4 (Input Level Knob : Center)	Current Draw	1.2 A
Maximum Input	Input +24 dBu (Input Sens Knob: +4 dBu)		157(W) x 183(D) x 61(H) mm (6-3/16(W) x 7-1/4(D) x 2-7/16(H) inches)
Output Impedance	t Impedance Line Output : 600 ohms		1.3 kg (2 lbs 14 oz) including batteries

Block Diagram

System Requirements Microsoft® Windows® Vista®/XP/2000, Mac OS X 10.2 or later



Optional Items

CB-R44 CS-50 RH-200 RH-300 Carrying Bag Stereo Shotgui Dedicated carrying bag with shoulder strap for safe, comfortable use in the field. Stereo condenser type microphone for stereo Roland Roland recordina.

Related Items



The R-4 Pro with built-in 80GB HDD shares the R-4's rugged construction and robust feature set. The R-4 Pro also includes AES/EBU digital input/ output and SMPTE time code to work with professional video cameras or decks.



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