



4CHANNEL PORTABLE RECORDER and WAVE EDITOR



Edirol R-4 — Introducing the new generation portable recorder



Superior Sound and Extended Recording Time with 40GB Hard Disk Drive 4-Channel Portable Recorder for Professional Use



Advanced Recording

Extended Recording with 40GB Hard Disk Drive

Equipped with a 40GB hard disk drive, the R-4 can record up to 17 hours at maximum sound quality or up to 58 hours at CD quality.

Superior 24-bit/96-kHz Linear Recording

Totally uncompressed recording assures outstanding sound quality. Choose 16-bit or 24-bit quantization and a sampling rate of 44.1

kHz, 48 kHz, or 96 kHz. Save data as WAV files.

■ Recording Time (approx.) (Stereo)						
	16-bit/44.1-kHz	16-bit/48-kHz	24-bit/96-kHz			
	58 hours	53 hours	17 hours			

Simultaneous 4-Channel Recording

The 4 XLR/Phone combo jacks come with switchable phantom power and give you a choice of MONO, STEREO, STEREO X2, or 4CH recording. Digital input/output is also provided. Four-channel recording gives you exceptional flexibility. For example, you can use mics to capture the ambience of a performance hall

while using line input to record the performance itself. Or you can record at several different level settings simultaneously.

On-Board Limiter

Built into the analog stage, the Limiter helps deliver a stable and reliable recording free of clipped noise from sudden input surges.

Limiter Operation

The Limiter circuit suppresses distortion prior to A/D conversion.

Input signal level (dBu) *The signal level at which limiter appeals to the limiter appeals to the

Built-In Nondirectional Stereo Microphones

The R-4's nondirectional, back electret condenser microphones offer superb transient characteristics and vibration resistance.

Pre-Recording Function

When the REC button is pressed, the current material is appended to a buffer that contains recorded material from a few seconds earlier. This helps prevent missed recording

opportunities or sound bites at the beginning of a recording.

Five High-Quality Effects

The R-4 lets you tailor the sound during both recording and playback.

■ Built-In Effects

3-Band EQ	3-band parametric EQ; allows sharp equalizing with high/low shelving and mid peaking	
Graphic EQ	6-point frequency band equalizing — ideal for recording	
Noise Gate	Minimizes noise during silences, cuts low-frequency noise	
Enhancer	Clearly defines and enhances sounds — good for dialogue	
Comp & DeEsser	Cuts hissing, smoothens the sound, makes the sound level uniform	

*Only one effect can be used at a time. Effect ON/OFF and parameters can be set for each track.

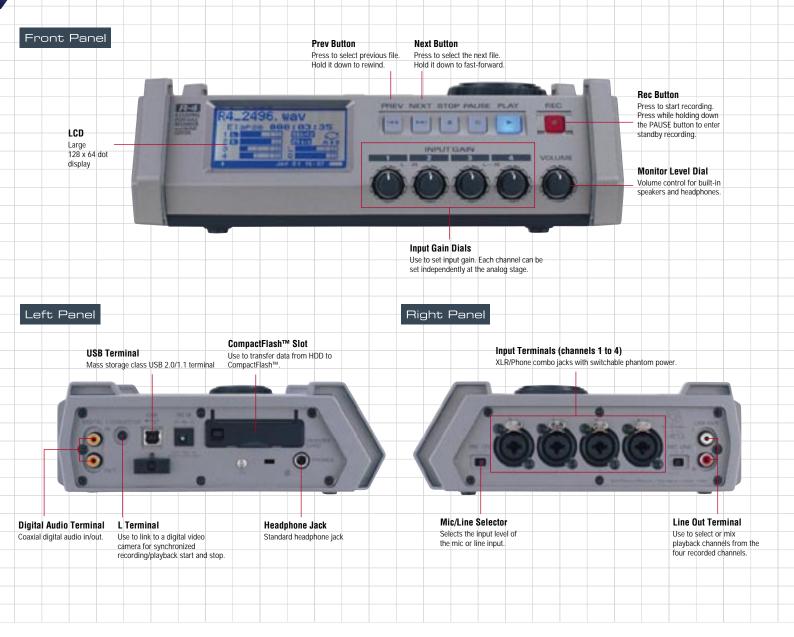
L Terminal for Linking a Digital Video Camera

The R-4's L terminal lets you connect a similarly equipped digital video camera to synchronize the camera start/stop while R-4 is recording. Counting the camera's two channels, this configuration gives you a total of six audio channels — a wealth of audio data to get creative with.

^{*}Effects are not available in 96-kHz operation.

The R-4 brings you a new generation of portable recording. Enjoy superb sound quality. Use the 40GB hard disk drive for extended recording. Record up to four channels at once. Edit waveforms on the recorder itself. All this plus a compact size and light weight that assure outstanding mobility in the field. The Edirol R-4. Gear up for the new generation of portable recording.

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Wave Editing

Waveform Editing Using Only the R-4

The R-4 is all you need to edit waveforms. Just watch the waveform on the LCD as you edit.

Scrubbing playback with the shuttle dial lets you set the edit points precisely by sound.



■ Waveform Editing Functions

Trim (Delete)	Select two points and remove the waveform between them
Divide (Split)	Select one point and divide the file there
Combine (Append)	Combine a file with the one before it
Merge (Bounce)	Merge several channels into one

Easy Playback

Index Any Point Instantly

Press the mark button anytime during recording or playback to mark that point for easy, instant indexing later. With the A-B repeat function you can set two points and repeatedly play back the material between them.

Easy Playback with the Jog Dial

Use the jog dial to fast-forward or rewind at any of seven speed levels.

Built-In Stereo Speakers

The R-4's built-in speakers make it easy to monitor recorded sound without headphones.

Computer Linking

USB 2.0 Terminal Provides a High-Speed Computer Data Link

The USB 2.0 high-speed mode transfers data

about 20 times faster than DAT. You can also use the R-4 as a 40GB storage device. Edit R-4 files directly from DAWs and other applications.



Advanced Linking with the EDIROL DV-7DL

A USB cable is all you need to connect directly to an EDIROL DV-7DL Video Editor and exchange files.

CompactFlash™ Slot

The CompactFlash™ slot makes it easy to read or write recorded files. You can use CompactFlash™ memory to give data to colleagues or to transfer data to equipment not equipped with a USB interface.

And More

2-Way Power Supply

The R-4 runs on eight AA batteries or with the AC adaptor.

Digital Audio Input/Output

Exchange data with other digital equipment while maintaining fidelity with the coaxial digital audio in/out.

Soft Carrying Case

The R-4 comes with a soft carrying case with a shoulder strap for safe, comfortable use in the field.



■ Specifications

Signal Part		Control	
Input		Controls	Input Gain Knobs (CH1, CH2, CH3, CH4), Input Level Switch (CH1/2,
Connectors	Channel 1/2 3/4: XLR/PHONE type (phantom powered: XLR only)		LINE, MIC), Input Level Switch (CH3/4, LINE, MIC), Monitor Knob,
Impedance	4 k Ohms or more		Jog Shuttle, Transport Buttons (PREV, NEXT, STOP, PAUSE, PLAY,
Frequency Response	44.1 kHz: 20 Hz to 20 kHz (0 dB/-2 dB),		REC), Function Buttons, Hold Switch , Phantom Switch (CH1/2,
	48 kHz: 20 Hz to 22 kHz (0 dB/-2 dB),		CH3/4), Limiter Switch
	96 kHz: 20 Hz to 40 kHz (0 dB/-3 dB)	Display	128 x 64 Graphic LCD
Nominal Input Level Channel 1, 2, 3, 4: -60 to +4 dBu (variable)		Signal Processing	
Output		Bit Depth	
Connectors	RCA phono type (L, R)	AD/DA Conversion	24 bits
Headphones Jack	Stereo 1/4 inch Phone Type	Headroom	12 dB
Impedance L, R: 950 Ohms, PHONES: 10 Ohms		Sample Rate	
Output Level	L, R: -7.8 dBu (-10 dBV), PHONES: 30 mW + 30 mW (32 Ohms load)	AD/DA Conversion	44.1 / 48 / 96 kHz
Digital Input/Output		Digital Output	44.1 / 48 / 96 kHz
Connectors	Digital Output Jacks: Coaxial Type (conform to IEC60958),	Digital Input	32 kHz to 96 kHz (convert to internal sample rate)
	Digital Input Jacks: Coaxial Type (conform to IEC60958)	Others	
Other Connectors		Hard Disk Drive Capacity	40 GBytes
USB Connector	B Type	Recording Time	16 bits 44.1 kHz: 58 hours, 16 bits 48 kHz: 53 hours,
L-connector	Mini-Miniature Phone Type *Receive Only.		24 bits 96 kHz: 17 hours
Card Slot	CompactFlash™	Power Supply	DC 9 V (AC adaptor), AA battery x 8
Effect Unit		Dimensions, Weight	254 (W) x 221.8 (D) x 72.2 (H) mm, 1.7 kg
Tone Control	Shelving EQ, Graphic EQ, Enhancer, Noise Reducer, Compressor * 96 kHz : Invalid	Accessories	USB Cable, AC Adaptor (PSB-1U), AC Cord, Owner's Manual, Carrying Case

System Requirements: Windows® XP/2000/Me, MacOS9.2 or MacOS X, OS standard driver

* 0 dBu = 0.775 Vrms

■ Block Diagram

