

# R8 Recorder: Sampler Interface: Controller Specifications

Section		R8	
Recorder	Track count	8 (mono)	
	Maximum number of simultaneous recording tracks	2	
	Maximum number of simultaneous playback tracks	8 audio + metronome	
	Recording format	44.1/48 kHz, 16/24-bit WAV format	
	Maximum recording time	200 minutes/1 GB (mono tracks)	
	Projects	1000	
	Markers	100/project	
	Locator	Hours/minutes/seconds/milliseconds and bars/beats/ticks	
	File editing	Divide, trim	
	Other functions	Punch-in/out (manual, auto), bounce, A-B repeat, undo/redo	
Audio interface	Number of recording channels	2	
	Number of playback channels	2	
	Bit rate	24	
	Sampling frequency	44.1, 48, 88.2, 96 kHz	
Mixer	Faders	9 (mono × 8, master × 1)	
	Track parameters	3-band equalizer, pan (balance), effect send ×2, invert	
	Stereo link	Tracks 1/2 ~ 7/8 selectable in pairs	
Effect	Algorithms	8 (CLEAN, DISTORTION, ACO/BASS SIM, BASS, MIC, DUAL MIC, STEREO, MASTERING)	
	Patches	310 insert, 60 send-return	
	Effect modules	7 insert, 2 send	
	Tuner	Chromatic, guitar, bass, open A/D/E/G, D modal	
Rhythm	Voices	8	
	Sound format	16-bit linear PCM	
	Drum kits	10	
	Pads	8 (velocity-sensitive)	
	Precision	48 ppqn	
	Rhythm patterns	511/project	
Sampler	Tempo	40.0 ~ 250.0 BPM	
	Playback formats	44.1/48 kHz, 16/24-bit WAV format	
	Editing functions	Trim, time-stretch	
Hardware	Recording media	SD card (16MB ~ 2 GB), SDHC card (4 ~ 32 GB)	
	Analog-digital conversion	96 kHz 24-bit delta-sigma ADC	
	Digital-analog conversion	96 kHz 24-bit delta-sigma DAC	
	Display	128×64 pixel LCD (with backlight)	
	Inputs	INPUT 1 ~ 8	2 XLR/standard phone combo jacks Input impedance: (Balanced input) 1 KΩ balanced (2 hot) (Unbalanced input) 50 KΩ unbalanced (1 with Hi-Z, input impedance 470 kΩ (Hi-Z on), 2 with phantom power) Input level: -50 dBm < continuous < +4 dBm
		Built-in stereo mic pair	Omnidirectional condenser microphones Gain: -50 dBm < continuous < +4 dBm
	Phantom power	48 V, 24 V	
	Outputs	OUTPUT	TRS phone type (balanced)
		PHONES	Standard stereo phone jack 20 mW × 2 (32 Ω load)
	S/N ratio	93 dB	
	Control input	FS01	
	USB	Mini-B type (USB 2.0 Hi-Speed); operation as audio interface/control surface and mass storage	
	Power	DC 5V 1A AC adapter (ZOOM AD-17) 3 AA batteries (5.5-hour continuous operation time with backlight on and phantom power off)	
	Dimensions	257 mm (W) × 190 mm (D) × 51 mm (H)	
	Weight	780 g	