

R16 Recorder: Interface Controller

Specifications

Section		R16	
Recorder	Track count	16 (monaural)	
	Maximum number of simultaneous recording tracks	8	
	Maximum number of simultaneous playback tracks	16 audio + metronome	
	Recording data format	44.1kHz, 16/24bit	
	Maximum recording time	200 minutes/1GB (of mono tracks)	
	Projects	1000 maximum per SD Card	
	Markers	100/project	
	Locator	Minute/second/millisecond or bar/beat/tick	
	File editing	Divide	
	Other functions	Punch-in/out (manual, automatic), Bounce, A-B repeat, UNDO/REDO	
Audio interface	Number of input channels	8	
	Number of output channels	2	
	Quantization	24-bit	
	Sampling frequency	44.1, 48, 88.2, 96 kHz	
Mixer	Faders	9 (monaural x 8, master x 1)	
	Level meters	4-segment display	
	Track parameters	3-band equalizer, pan (balance), effect send x 2, invert	
	Stereo linking	Track pairs 1/2 – 15/16 selectable	
Effects	Algorithms	9 (CLEAN, DISTORTION, ACO/BASS SIM, BASS, MIC, DUAL MIC, STEREO, 8x COMP EQ, MASTERING)	
	Patches	330 insert, 60 send return	
	Effect modules	7 insert, 2 send return	
	Tuner	Chromatic, guitar, bass, open A/D/E/G, D modal	
Metronome	Tones	5	
	Beat	No accent, 1/4 - 8/4, 6/8	
	Tempo	40.0–250.0 BPM	
Others	Other functions	Sequential playback, synchronized recording	
Hardware	Recording media	SD card (16MB-2GB), SDHC card (4-32GB)	
	Analog-digital conversion	96kHz 24bit delta-sigma ADC	
	Digital-analog conversion	96kHz 24bit delta-sigma DAC	
	Display	20-digit 2-line custom LCD (with backlight)	
	Inputs	INPUT 1-8	XLR/standard phone combo jack x8 Input impedance: (Balanced input) 1KΩ balanced, 2 hot (Unbalanced input) 50KΩ unbalanced 1 equipped with Hi-Z switch, input impedance 470kΩ (Hi-Z on) 2 equipped with phantom power switches Input level: -50dBm < continuous < +4dBm
		Built-in microphones	Omnidirectional condenser microphones Gain: -50dBm < continuous < +4dBm
	Phantom power supply	48V	
	Output	OUTPUT	TRS phone type (balanced)
		PHONES	Standard stereo phone jack 20mW x 2 (32Ω load)
	USB		USB 2.0 High Speed (operation as audio interface/control surface or card reader)
	Power supply		DC 5V 1A AC adaptor (ZOOM AD-14) Six AA batteries (4.5-hour continuous operation time with backlight on and phantom power off)
	Dimension		376mm (W) x 237.1mm (D) x 52.2mm (H)
	Weight		1.3kg