

# R20 Multi Track Recorder Specifications

Input and output channels	Inputs	MIC/LINE (mono)	8
	Outputs	MASTER OUT	1
		PHONES	1
Inputs	MIC/LINE (mono)	Connectors	2 XLR/TRS combo jacks 6 XLR (XLR: 2 HOT/TRS: TIP HOT)
		Input gain	+6 dB – +50 dB
		Input impedance	XLR: 3.9 k $\Omega$ TRS: 5.3 k $\Omega$ /1 M $\Omega$ (when Hi-Z ON, INPUT 1 only)
		Phantom power	+48 V (INPUTS 5–8, switchable in pairs)
		Equivalent input noise	–121 dBu or less (IHF-A) at +50 dB/150 $\Omega$ input
		Frequency response	–1.0 dB: 20 Hz – 20 kHz
		Outputs	MASTER OUT
Maximum output level	+14 dBu		
Output impedance	200 $\Omega$		
PHONES	Connector		1 standard stereo phone jack
	Maximum output level		20 mW + 20 mW (into 63 $\Omega$ load)
	Output impedance		33 $\Omega$
Track settings		Pan	
		EQ	High: 10 kHz, $\pm$ 12 dB, shelving Middle: 2.5 kHz, $\pm$ 12 dB, peaking Low: 100 Hz, $\pm$ 12 dB, shelving
		Send Effect	
		Stereo Link	
		Comp/Limiter/Gate	
Recorder		Maximum simultaneous recording tracks	8
		Maximum simultaneous playback tracks	16
		Recording format	44.1 kHz, 16/24-bit, mono/stereo WAV

	Recording media	4 – 32 GB cards compatible with the SDHC specification 64 GB – 1 TB cards compatible with the SDXC specification	
Effects	Maximum number of simultaneous effects	3 types Either insert effects can be used on one channel (input) or send effects can be used on all tracks	
	Patch memories	50	
	Guitar Lab supported		
Tuner		Chromatic/Guitar/Bass/Open A/Open D/Open E/Open G/DADGAD	
Metronome	Time signatures	3/4, 4/4, 6/8	
	Tempo range	40.0 – 250.0 BPM	
Rhythm loops	Sound source format	PCM	
	Number of loops	150	
Synth	Polyphony	8	
	Sound source format	FM	
	Number of sound types	18 (and a PCM drum kit)	
Display		4.3" (480×272) full-color touchscreen LCD	
USB	Connector	USB Type-C Note: Use a USB cable that supports data transfer. USB bus power is not supported.	
	Audio interface operation	Stereo mix	USB 2.0 Full Speed 44.1 kHz, 16/24-bit 2-in/2-out
		Multitrack	USB 2.0 High Speed 44.1 kHz, 16/24-bit 8-in/4-out
	Mass storage operation	Host/Device	USB 2.0 High Speed (5 V/500 mA power supplied when host)
	Guitar Lab connection		USB 1.1 Full Speed
	USB MIDI keyboard connection		USB 1.1 Full Speed (5 V/500 mA power supplied)
	DAW connection (control surface)		USB 1.1 Full Speed (supported with update)

REMOTE	Dedicated wireless adapter (ZOOM BTA-1)
Power	AC adapter (ZOOM ZAD-1220): 12 V/2.0 A
Power consumption	11 W maximum
Dimensions	378 mm (W) × 206 mm (D) × 58 mm (H)
Weight (unit only)	1.33 kg

Note: 0 dBu = 0.775 Vrms