

SR-20C & SR-20M

The SR-20C and SR-20M are the companion receivers to the STL-20C and STL-20M transmitters respectively. Both units are fully synthesized and can be operated in any frequency within the specified band of operation identified below in the specifications section. The STL-20C is frequency agile and can be programmed easily to any operating frequency in the band of interest. The STL-20M is a single frequency receiver, but is fully synthesized for great performance.



SR-20C



SR-20M

SR-20C/SR-20M Specifications

AC Input:	85 to 264VAC; 47-63Hz.	
DC Input:	+10 to +14VDC.	
ENVIRONMENTAL		
Operating Temperature:	-10°C to +50°C.	
Humidity:	5 to 95% RH, non-condensing.	
Frequency Range:	SR-20C/20M-150	135-185 MHz
	SR-20C/20M-230	215-250 MHz
	SR-20C/20M-250	235-265 MHz
	SR-20C/20M-330	300-350 MHz
	SR-20C/20M-450	430-480 MHz
	SR-20C/20M-950	935-965 MHz
Frequency Stability:	±0.0001%, -20°C to +50°C.	
Frequency Programming:	Increment: 1 Hz. Accuracy: ±0.00025% of center Frequency. Change time: Less than 2 seconds.	
Selectivity:	Filter	3dB 60dB (Bandwidth, kHz)
	F250	220 530
	F200	200 570
	F85	85 145
	F50	50 100
	F36	36 60
	F25	25 42
	F8	8 15
Spurious Response:	-80dB.	
Sensitivity:	4 microvolts for 50dB signal-to-noise. 14 microvolts for 60dB signal-to-noise. 100 microvolts for maximum signal-to-noise, typically 75dB or greater.	
AUDIO Mono:		
Output Level:	0 to +12dBm. Output Impedance: Balanced, 600 ohms – Terminal Strip/15 pin D-Type.	
Frequency Response:	±0.25dB, 20 Hz to 15 kHz.	

THD + Noise @ 100 uV Input:	200 kHz BW @ 50 kHz Dev; 0.25% or less, 20 Hz to 15 kHz. 125 kHz BW @ 15 kHz Dev; 0.3% or less, 20 Hz to 15 kHz. 125 kHz BW @ 9 kHz Dev; 0.3% or less, 20 Hz to 15 kHz.
S/N Ratio @ 100 uV Input:	200 kHz BW @ 50 kHz Dev; 20C "-75dB," 20M "-77dB" 125 kHz BW @ 15 kHz Dev; 20C "-64dB," 20M "-66dB" 125 kHz BW @ 9 kHz Dev; 20C "-60dB," 20M "-62dB."
AUDIO COMPOSITE: (SR-20C only)	
Output Level:	2.0 Vpp to 8 Vpp.
Output Connector:	BNC Connector - Unbalanced.
Frequency Response Composite:	±0.2dB, 30 Hz to 53 kHz.
THD + Noise:	0.2% or less, 30 Hz to 15 kHz, demodulated, de-emphasized, low-pass filtered, left or right channel.
S/N Ratio:	-75dB, dependent upon the operating frequency, demodulated, de-emphasized.
Separation:	250 kHz BW: -55dB @ 400 Hz. -52dB, 50 Hz to 15 kHz.; 200 kHz BW: -50dB, 50 Hz to 15 kHz.
IMD:	75dB for 20 dB signal-to-noise.
Image Rejection:	100dB.
HEADPHONE (Control @ Midrange):	
Frequency Response:	±1.5dB, 20 Hz to 15 kHz.
S/N Ratio:	-65dB
THD + Noise:	0.2% or less @ 400 Hz
SCA	
Frequency Response:	High Position: ±1dB 90 kHz to 119.5 kHz. Low Position: ±1dB 30 kHz to 60 kHz.
Dimensions:	3.5" H x 19" W x 15.5" D. (8.89 cm H x 48.26 cm W x 39.37 cm D).
Boxed Dimensions:	9" H x 22" W x 19" D. (22.86 cm H x 55.88 cm W x 48.26 cm D).
Weight:	Net 8 lbs. (3.63 Kg) Packed 16 lbs. (7.23 Kg).