

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; 20 “-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).