

SR-30

The SR-30 is the companion two channel RPU receiver to the SRPT-30 RPU transmitter. This two channel receiver can be operated anywhere within its specified operating band. No minimum spacing requirement within the band of operation. This receiver is available in bands from 135 to 965 MHz. Exact bands are shown below in the specifications section.



SR-30 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-30-150	135-185 MHz	
	SR-30-230	215-250 MHz	
	SR-30-250	235-265 MHz	
	SR-30-330	300-350 MHz	
	SR-30-450	430-480 MHz	
	SR-30-950	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:	0.5 microvolts for 20dB signal-to-noise. 2 microvolts for 30dB signal-to-noise. 4 microvolts for 40dB signal-to-noise. 100 microvolts for maximum signal-to-noise, typically 57dB or greater.		

AUDIO

Output Level:	0 to +12dBm.
Output Impedance:	15 Pin D-Type - Balanced, 600 ohms.
Frequency Response:	±1.5dB of the specified bandwidth.
THD + Noise:	2% or less of the specified bandwidth.
S/N Ratio:	36 kHz BW @ 5.4 kHz Dev 57dB;
	25 kHz BW @ 3.6 kHz Dev 53dB;
	10 kHz BW @ 1.2 kHz Dev 44dB.

IMD:	75dB for 20dB signal-to-noise.
Image Rejection:	100dB.

HEADPHONE (Control @ Midrange)

Frequency Response:	±1.5dB of the specified bandwidth.
S/N Ratio:	-37dB.
THD + Noise:	2.5% or less @ 400 Hz.
Channel Bandwidth:	50kHz, 36kHz, 25kHz, 20kHz TSL systems; 10kHz
FCC Emission Designator:	50KOF3E @ 36 or 50kHz Channel BW;
	25KOF3E @ 25kHz Channel BW;
	10KOF3E @ 10kHz Channel BW.

Dimensions:	3.5" H x 11.5" W x 14.3" D. (8.89 cm H x 29.21 cm W x 36.83 cm D).
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Boxed Dimensions:	22" H x 19" W x 9" D. (55.88 cm H x 48.26 cm W x 22.86 cm D).
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Weight:	Net 7 lbs. (3.18 Kg) Packed 14 lbs (6.35 Kg).
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