

### SR-40A

The SR-40A is the companion RPU receiver to the SRPT-30A RPU transmitter. This receiver is fully synthesized and frequency agile. It can be operated on any frequency within its specified band through the front panel controls and there are no minimum spacing requirements with the operating band. This frequency agile RPU receiver is available in bands from 135 to 965 MHz. Exact bands are shown below in the specifications section.



#### SR-40A 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-40A-150	135-185 MHz
SR-40A-230	215-250 MHz
SR-40A-250	235-265 MHz
SR-40A-330	300-350 MHz
SR-40A-450	430-480 MHz
SR-40A-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:** 75 dB 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" (8.89 cm) H x 11.5" (29.21 cm) W x 9" (36.83 cm) D.

**Boxed Dimensions:** 22" (55.88 cm) H x 19" (48.26 cm) W x 14.3" (22.86 cm) D.

**Weight:** Net 7 lbs. (3.18 Kg) Packed 14 lbs. (6.35 Kg).