SVR-**200** The Industry Standard

SINGLE-CHANNEL

2-WATT COVERAGE

PRIORITY STRUCTURE

- Motorola PAC/RT Compatible
- "First Man Out" with Priority Sampling
- Synthesized Operation PC Programmable Frequencies and Tones
- LTR, EDACS and Motorola Trunking Compatible
- Factory Interface Cables for Most Popular Public Safety Radios
- Remote Channel Selector, Auxiliary Receiver, and In-Band Filtering Options

SVR-**200** Single-Channel Synthesized Vehicular Repeater

The Pyramid Communications model SVR-**200** is a µP controlled, synthesized, low-power vehicle repeater. It is designed to **interface between a high-power mobile radio and a low-power handheld**. If the radio operator is out of the vehicle and the mobile radio is receiving a transmission, the SVR-**200** will repeat the signal to the user's handheld. The user may also transmit back to the SVR-**200** via their handheld, and the transmission will be repeated back to the base by the high power mobile radio, effectively **extending the range of the low power handheld** to that of the mobile radio. On-board logic control by the microprocessor ensures that only one vehicle will become active as the repeater should several vehicles arrive at the same scene. The logic also **handles cases where the priority vehicle leaves** the scene, or another priority vehicle arrives from another scene.

The SVR-**200 remains the industry standard** in Public Safety Vehicular Repeaters with a complete line of accessories to ensure you get the most from your communications system. Factory interface cables for most popular public safety mobiles **simplify installation** and **enhance reliability**. A complete line of filter products **eliminate interference in cross-band** and in-band applications. The RCS-200* allows personnel to remotely change the mobile channel from a DTMF keypad on the portable allowing **seamless communications with the appropriate agencies**.

714-901-5462
www.pyramidcomm.com

PYRAMID COMMUNICATIONS
Since 1990

MADE IN AMERICA

Specifications SVR-200

TRANSMITTER

	VHF	UHF
Frequency Range	**150–174 MHz**	**450–470 MHz** **405–425 MHz[1]**
RF power out	250mW - 2W	250mW - 2W
Spurious emissions	-50dBc	-52dBc
Frequency stability -30°~+60°C	±1.5 PPM	±1.5 PPM
Modulation	11KOF3E/16KOF3E	11KOF3E/16KOF3E
Hum and noise	-40dB	-40dB
Audio response (300-3kHz)	Flat or -6dB/octave	Flat or -6dB/octave
Audio distortion	<3%@60% deviation	<3%@60% deviation
Local mic sensitivity	300mV - 5VPP	300mV - 5VPP
FCC Type Acceptance	LRUSVR-200VB	LRUSVR-200UD
Industry Canada Approval	2390 195 458A	2390 212 113A

RECEIVER

	VHF	UHF
Frequency Range	**150–174 MHz**	**450–470 MHz** **405–425 MHz[1]**
RF sensitivity	.35µV	.35µV
Squelch sensitivity	.2µV to 2µV adjustable	.2µV to 2µV adjustable
Modulation acceptance	±3.75/±7.5kHz	±3.75/±7.5kHz
Selectivity	72dB	60dB
Spurious/image rejection	70dB	60dB
IMD response	60dB	60dB
Frequency stability	1.5 PPM	1.5 PPM
Audio response (300-3kHz)	Flat or +6dB/octave	Flat or +6dB/octave
Audio output	0-5VPP AC coupled 600/2.2K	0-5VPP AC coupled 600/2.2K
Local Rx audio	400 mW 8 Ohms@ <5% distortion	400 mW 8 Ohms@ <5% distortion

[1] SPECIAL ORDER

Power Requirements

DC Supply	13.6VDC negative ground ± 25%
Standby	170mA
Receive	250mA @ 400mW Rx Audio
Transmit	<1A @ rated output

Physical

Dimensions	5.275"W x 6"L x 1.12"H
Weight	18 ounces
Case	One piece extruded aluminium

Mil-Std-810D/E Ratings

501.2	Procedure II High Temp +60°C
502.3	Procedure II Low Temp -30°C
507.2	Procedure II Humidity
510.2	Procedure II Blowing Dust
514.3	Procedure I Category 8 Vibration, Ground Vehicle
516.3	Procedure I Shock