



Communications, Inc.

NEW PRODUCT RELEASE

CPI is pleased to announce the availability of the **CPI SV300** mobile repeater and the **RST300/PST300** remote system for use with MSV's MSAT G2 Mobile Satellite radio.

The new SV300 gives a handheld or mobile user access to the G2 transmit and receive functions when connected between a mobile radio and the G2 unit. The SV300 is normally mounted in a vehicle and is connected between the satellite radio and a two way mobile radio. When the user leaves the vehicle, a handheld is used to communicate over the satellite radio through the mobile using the SV300 unit. The SV300 can be used with almost any brand or model of mobile and handheld.



The RST300/PST300 remote system allows fixed site users access to the transmit and receive functions of the G2 unit from any 2 wire voice grade pair. This allows in building operation away from the main G2 unit and in areas where antenna placement may be a problem. All parallel remotes receive all incoming and outgoing audio as well as provide LED indicators of the G2 status indicators.

Product Specifications SV300

Power Requirements	+13.8 VDC for rear power connection on SV300 - 500mA max
Connections	SV300 to Satellite RJ45 cord provided and DB9
	SV300 to radio cable provided for Motorola 16 pin acc. connector
	SV300 to speaker Speaker jack provided
Dimensions	5.5" wide 1.5" high - without mounitng bracket 5.3 " deep
Weight	1.5 lbs SV300 and cables only

Product Specifications RST/PST300

Power Requirements	120 VAC, 60Hz for wall pack operation
Indicators	2 watts minimum (in compression) into 8 ohms with less than 3% distortion using supplied power pack
Controls	Less than 3 dB increase in output with 30 dB increase beyond threshold of compression.
Line Input level	-20dBm tp +10 dBm
Line output level	-20dBm tp +10 dBm
Line impedance	200K ohms on-hook/idle 600 ohms off-hook/idle
Receive compression	Less than 3dBm change in output for 30 dBm change in input above thresh-hold
Speaker ouput	2 watts (speaker mutes when off-hook)
Max number of remotes	50
Dimensions/ Weight	9" x 4" x 7" / 4lbs.
Connections	4 pin modular for handset. RJ11 phone pair

Power Requirements	13.6 Vdc limited to 100 mA. Power taken from radio connections.
TX Control	Adjusts audio level to the radio microphone input
RX Control	Adjusts audio level to phone line. Adjustable from -20 to +10 dBm
Setup	Used for test mode on power up
Line balance	Used to match the termination panel to the phone line
Phone line impedance	600 ohms
Connections to phone line	Two wire via modular phone jack.
Connections to radio	Supplied
Max number of remotes	50

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