



# RTV-560 PROFESSIONAL TV REPEATER



TV Repeater RTV-560 has been made for small TV studios and it has 2 W (Model RTV-560/2), 5W (Model RTV-560/5) - (new model) or 35 W (Model RTV-560/35). It is a high quality, frequency agile channel processor capable of converting any VHF or UHF off-air signal to any standard output channel from CH 02 VHF-13 VHF. Input and output frequencies are easily set with front panel push wheel switches. A/V ratio and output level controls are also provided along with IF loop-thru connections to offer exceptional flexibility. Fully professional this unit will send a perfect Color picture and sound. Antenna output is N- female type (BNC for RTV-560/2 model). This repeater unit is thermally protected and with a VSWR protection as well. The range of this TV Translator can be over 10 -25 miles with antenna mounted at least 50 ft above the ground. Antenna is not included in price.

- Low-cost NTSC channel processor
- Synthesized input tuning of off-air TV channels 2 through 69, set by a front panel push wheel switch.
- Synthesized RF output on VHF channels 2 through 13, set by a front panel push wheel switch.
- IF SAW filter
- High output power adjustable to 2 W.
- IF loop-thru connections for scrambling encoders or IF stereo processors.
- Optional version with UHF output channels from CH14- CH27 UHF

<b>Input Section</b>	
Frequency Coverage:	54 through 806 MHz Off-air TV channels 2 through 69
Input Impedance:	75 Ohms
RF Input Level:	-10 dBmV to +35 dBmV
Noise Figure:	VHF: 8 dB UHF: 10 dB
Tuner Image Rejection:	VHF: 65 dB UHF: 50 dB
<b>Output Section</b>	
Frequency Coverage:	Channels 02-13 VHF, 54 through 212 MHz
Output Level:	2 W (typically adjustable from 20 mW-2 W)
Video Frequency Response:	20 Hz to 4.2 MHz, $\pm 3$ dB
L-C Delay:	$\pm 50$ nanoseconds
Frequency Stability:	$\pm 5$ PPM of frequency difference between input and output signals
A/V Ratio Adjustment:	-2 to -12 dB relative to input A/V ratio
Spurious Outputs:	-58 dBc minimum, -60 dBc typical (measured at an input level of between 0 to +20 dBmV)
Broadband Noise:	-75 dBc typical, (4MHz noise bandwidth @ $\pm 12$ MHz)
<b>General</b>	
AC Power Input:	115 VAC ( $\pm 10\%$ ) 60 Hz, 30 Watts
Operating Temperature:	32° to 122° Fahrenheit, ambient
Weight:	7.0 lbs.
Dimensions:	19" W x 1.75" H x 8.75" D.