



# STR-600

Rugged-Reliable Radio Repeater



- 200 Channels
- Power Output: 25W(VHF/UHF)
- Built-in Duplexer
- Working Voltage: 13.8V(DC)
- DTMF Encode, 1750Hz Signal
- Size: 290×140×420mm



# STR-600

## Rugged-Reliable Radio Repeater

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### Main Features

- 200 Memory Channels
- Built-in Duplexer
- Power Output: 25W(UHF/VHF)
- CTCSS/DCS Encode/Decode
- DTMF Encode, 1750Hz Signal
- Channel Steps: 6.25/10/12.5/15/20/25/30/50/100KHz
- Multi-Scan Mode: VFO scan+Channel Scan, Priority Scan, CTCSS Scan+DCS Scan
- Wide/Narrow Bandwidth Selective: 25/12.5KHz

### General

Frequency Range	136~174MHz 400~470MHz	
Channel Capacity	200CH	
Channel Spacing	12.5KHz/25KHz	
Operating Voltage	AC 88~264V/DC 13.8V ±20%	
Current Drain	Standby:	0.2A or less
	Receive:	0.8A or less
	Transmit:	2.2A or less
Antenna Impedance	50Ω	
Operating Temperature	-30℃ ~+60℃	
Frequency Stability	± 2.5ppm	
Dimension(H*W*D)	290x140x420mm	
Weight	12kg	

### Transmitter

RF Power Output	25W(VHF);25W(UHF)
Modulation Type	F3E
Maximum Deviation	≤ ±5.0KHz(Wide)/ ≤ ±2.5KHz(Narrow)
Spurious Emission	≤ 65dB Below Carrier
Modulation Distortion	≤ 5%(300-300Hz)
FM Noise	≤ -45dB(Wide)/≤-40dB(Narrow)

### Receiver

Circuit Type	Double-conversion Superheterodyne
Intermediate Frequency	49.95MHz & 450KHz
Sensitivity(12dB SINAD)	0.2μV(Wide)/0.25μV(Narrow)
Squelch Selectivity	0.15μV(Wide)/0.2μV(Narrow)
Adjacent Channel Selectivity	≥ 70dB(Wide)/≥ 65dB(Narrow)
Intermodulation	≥ 70dB
Spurious Rejection	≥ 65dB
Image Rejection	≥ 70dB
FM Ham and Noise	≤ -45dB(Wide)/≤ -40dB(Narrow)
Modulation Type	16KOF3E/11KOF3E
Operating Bandwidth	≤ ±7KHz/≤ ±5KHz
AF Output @ 4Ω	2W
Audio Distortion	≤ 5%

Above specifications are tested according to TIA/EIA-603.  
Above specifications are subject to change without any notice due to technology enhancement.

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