



Syn-Tech III P25 Mobile Radio

- Digital, Analog & Multi-mode Capability
- 999 Channels with Tactical Grouping
- Emergency Key Features
- Password Protected
- 2.5 / 3.125 kHz Frequency Stepping
- DES / AES Encryption Optional
- Future Digital Trunking Capabilities
- Keypad Programmable
- Cloning Capability
- 50 Watt (136 - 174 MHz)
- Field Programming & Tuning
- MIL - STD 810 C/D/E/F
- Dual Priority Scan
- RSSI Indicator





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Specifications VHF STM 1050B (50W) UHF STM 4040 A / B

Frequency Range	136-174 MHz	A: 380 - 450 MHz, B: 450 - 512 MHz
Channels	999	
Channel Spacing (digital analog)	12.5 kHz C4FM / FM: 25/12.5 kHz	
Keypad	20-Key Backlit Buttons	
Display	64 x 128 Pixel LCD	
Analog: CTCSS / DCS per Channel	47 CTCSS / 104 DCS	
Frequency Stepping	2.5 kHz and 3.125 kHz	
Antenna Impedance	50 Ω	
Operating Voltage	13.8Vdc	
Operating Temperature	-22°F to +140°F (-30°C to +60°C)	
Frequency Stability	1.5 PPM	
Dimensions (H x W x D)	1-7/8" x 6-3/8" x 7" (48 x 162 x 178 mm)	
Weight	3.35 lbs (1.52 kgs)	
FCC Identifier	Pending	
FCC Compliance	Pending	

Receiver Specifications

Sensitivity @ 12 dB SINAD / 5% BER	Analog \leq -120dBm / Digital \leq -120dBm	
Selectivity (25 kHz / 12.5 kHz / Digital)	- 83 dB / - 76 dB / - 60 dB	
Intermodulation (wide/narrow)	- 80 dB	
Spurious & Image Rejection	- 90 dB	
Audio Output (Method @ <5% THD Level)	7.5 Watts	

Transmitter Specifications

RF Output (programmable by channel)	50 watts	40 watts
Spurious and Harmonic Emissions	- 75 dB	
Modulation (25 kHz / 12.5 kHz)	5 kHz / 2.5 kHz	
FM Hum and Noise (25 kHz / 12.5 kHz)	-50 dB / -45 dB	
Audio Distortion	< 2%	

• Meets or Exceeds Military Specifications 810C / D / E / F

For more information, contact:



THIS DEVICE HAS NOT BEEN APPROVED BY THE FEDERAL COMMUNICATIONS COMMISSION. THIS DEVICE IS NOT, AND MAY NOT BE, OFFERED FOR SALE OR LEASE, OR SOLD OR LEASED UNTIL THE APPROVAL OF THE FCC HAS BEEN OBTAINED.

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SPEC# Syn-tech III P25 Mobile Radio, Features and specifications subject to change without notice.