

Syn-Tech III P25 Portable Radio



- Digital, Analog & Multi-mode Capability
- 999 Channels with Tactical Grouping
- Emergency Key
- Password Protection
- 2.5 / 3.125 kHz Channel Stepping
- Optional DES / AES Encryption
- Optional Digital Trunking Capability
- Keypad Programmable
- Cloning Capability
- 0.2 - 5 Watts, Selectable
- Battery Level Indicator
- Field Programming & Tuning
- 2-Tone / 5-Tone Signaling
- 16 Hour Battery Life at 5 Watts
- MIL - STD 810-C/D/E/F
- Dual Priority Scan
- RSSI Indicator





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Specifications VHF STP105B UHF STP404A*/B

Frequency Range	136-174 MHz	380-470(A) 450-512(B) MHz
Channels	999	
Channel Spacing (digital/analog)	12.5 kHz C4FM / FM: 25/12.5 kHz	
Keypad	18-Key Backlit Buttons	
Display	Tri-Color Alpha-Numeric LCD with Icons	
Analog: CTCSS / DCS per Channel	39 CTCSS / 83 DCS	
Frequency Stepping	2.5 kHz and 3.125 kHz	
Antenna Impedance	50 Ω	
Operating Voltage	7.5Vdc ± 20%	
Battery Life (with 1800 mAh LI-ION Battery)	16 Hours @ 5 watts (5-5-90 DUTY CYCLE PER TIA 603)	
Clamshell with 2000 mAh Alkaline Batteries	12 Hours @ 1.5 Watts (10-10-80 DUTY CYCLE PER TIA 603)	
Operating Temperature	-22°F to + 140°F (-30°C to +60°C)	
Frequency Stability	±2.5 PPM	1.5 PPM
Dimensions w/1800 mAh battery (H x W x D)	6" x 2-3/8" x 1-3/8" (152 x 60 x 35 mm)	
Weight with Belt Clip, Battery Pack & Antenna	7.5 oz.	
FCC Identifier	MMA90105B	MMA90405B*
FCC Compliance	Part 90	



Speaker Microphone (ACC-720)



Light Weight Headset, In-Line PTT with Pigtail for Remote PTT Options (ACC-614)



Single Speaker Headset, In-Line PTT with Pigtail for Remote PTT Options (ACC-625)



Battery Pack, 1800mAh LI (ACC-1800)



Desk Top "Smart" Charger (ACC-451)



Programming Software (MRP-25) and Inter-Face Cable (ACC-2501)

Receiver Specifications (Per EIA / TIA)

Analog Sensitivity (@ 12 dB SINAD)	-119 dBm	-118 dBm
Digital Sensitivity (5% BER)	-120 dBm	-119 dBm
Selectivity (25 kHz / 12.5 kHz / Digital)	-73 dB / -63 dB / -63 dB	-70 dB / 60 dB / 60 dB
Intermodulation	-73 dB	
Spurious Rejection	-73 dB	
Audio Output (Method @ <5% THD Level)	600 mW @ 8 Ω	

Transmitter Specifications (Per EIA / TIA)

RF Output (programmable by channel)	0.2 - 5 watts	0.2 - 5 watts
Spurious and Harmonic Emissions	-70 dBc	
Modulation (25 kHz / 12.5 kHz)	±5 kHz / 2.5 kHz	
FM Hum and Noise (25 kHz / 12.5 kHz)	-52 dB / -46 dB	-46 dB / -40 dB
Audio Distortion	<1%	

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

For more information, contact:



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MIDLAND RADIO CORPORATION
 5900 Parretta Drive, Kansas City, MO 64120 USA
 Tel: 816-241-8500, Fax: 816-241-5713
 Email: mail@midlandradio.com
 WWW.MIDLANDRADIO.COM

Syn-Tech III P25 Portable Radio features and specifications subject to change without notice.

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