



Base Tech III P25 Base Station / Repeater

- Up to 110 Watts Continuous TX Power /500 Channel Capacity
- Programmable by Channel for Digital or Analog Modulation
- Multi-Mode Operation
- Optional DES/AES Encryption
- Field Proven High Reliability for Remote Site Operation Reliability Rate >0.991
- Low Standby Current <280 mA
- Programmable Analog CTCSS and DCS
- Programmable by Channel for Base or Repeater Operation
- Optional IP, Phone and Tone Remote Interface
- CW ID-Standard
- Project P25 Common Air Interface Operation





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Transceiver Specifications 91-1060 A / B 91-1110 A / B 91-4050* A / B / C 91-4100* A / B / C

Frequency Range	VHF A: 136 - 156 MHz B: 146 - 174 MHz 60 Watts	VHF A: 136 - 156 MHz B: 146 - 174 MHz 110 Watts	UHF A: 400 - 435 MHz B: 440 - 475 MHz C: 465 - 500 MHz 50 Watts	UHF A: 400 - 435 MHz B: 440 - 475 MHz C: 465 - 500 MHz 100 Watts
Primary Power	13.6 VDC - Operating Range 12.2 to 15.0 VDC, Absolute Range 10.5 to 16.3 VDC			
Channel Capacity	500			
CTCSS	Programmable by channel			
DCS	Programmable by channel			
Channel Spacing	12.5 kHz C4FM FM: 25 / 12.5 kHz			
Channel Stepping	2.5 kHz			
Operating Temperature	-22°F to +140°F (-30°C to +60°C)			
Standby Current	< 280 ma			
Weight	24 lbs. (11 kg)			
Dimensions (H x W x D)	3.4" x 18.2" x 14.2" (88 x 462 x 360 mm)			
FCC Identifier	MMA911060B	MMA911110B		
FCC Compliance	Part 90	Part 90		

Receiver Specifications (Per EIA/TIA)

Sensitivity	Analog < -117 dBm (@ 12dB SINAD / Digital < -117 dBm (5% BER)
RX Frequency Separation	Full Band
Selectivity (25 kHz / 12.5 kHz / Digital)	-85 dB / -80 dB / -80 dB
Intermodulation	-85 dB
Spurious Rejection	-100 dB
Audio Output (Method @ <5% THD)	7.5 Watts @ 8 Ω
Stability	1.5 PPM VHF (higher stability optional)

Transmitter Specifications (Per EIA/TIA)

Maximum Deviation	2.5 or 5 kHz maximum programmable by channel			
RF Power Output (Continuous)	25-60 Watts	50-110 Watts	25-50 Watts	50-100 Watts
TX Bandwidth	Full Band 60 Watts	Full Band 110 Watts	Full Band 50 Watts	Full Band 100 Watts
Spurious and Harmonics Emissions	- 80 dBc			
FM Hum & Noise	- 50 dB / -55 dB digital			
Audio Distortion	< 2%			
Frequency Stability	1.5 PPM (higher stability optional)			
Duty Cycle	Continuous			

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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Base Tech III P25 features and specifications subject to change without notice.