

# MD785

General		
Frequency Range	400-470MHz 136-174Mhz	
Channel Capacity	256	
Zone Capacity	32 (each with a maximum of 16 channels)	
Channel Spacing	25 /20/12.5 KHz	
Operating Voltage	13.6±15%	
Current Drain	Standby	<0.6A
	Receive	<2.0A
	Transmit (Max.)	<12A (45W) <8A (25W)
Frequency Stability	±1.5ppm	
Antenna Impedance	50Ω	
Dimensions (W*H*L)	174 X 60 X 200 mm / 6.9*2.42*7.9 inch	
Weight	1.7 Kg /60 oz	
Military Standard	MIL-STD-810C/D/E/F	
Front Case	PC+ABS	
LCD Display	220*176 pixels, 262000 colors	
Transmitter		
RF Power Output	Low Power: UHF1 (400-470MHz), 5-45W; High Power: UHF1 (400-470MHz), 5-45W;	
FM Modulation	11KFF3E @ 12.5 kHz 14KFF3E @ 20 kHz 16KFF3E @ 25 kHz	
4FSK Digital Modulation	12.5kHz Data Only: 7K60FXD 12.5kHz Data & Voice: 7K60FXE	
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz	
Modulation Limiting	±2.5kHz @ 12.5 kHz ±4.0kHz @ 20 kHz ±5.0kHz @ 25 kHz	
FM Noise	40dB @ 12.5 kHz 43dB @ 20KHz 45dB @ 25 kHz	
Adjacent Channel Power	60dB @ 12.5 kHz 70dB @ 20/25KHz	
Audio Response	+1 ~ -3 dB	
Audio Distortion	=3 %	
Digital Vocoder Type	AMBE++/SELP	
Digital Protocol	ETSI-TS102 361-1, 2&3	
Receiver		
Sensitivity (Analog)	0.3µV (12dB SINAD) 0.22µV (Typical) (12dB SINAD) 0.4µV (20dB SINAD)	
Sensitivity (Digital)	0.3uV/BER5%	
Selectivity	65dB @ 12.5 kHz 75dB @ 20/25 kHz	