

KST DM-3000 DMR TDMA Dual Slot Digital Radio



Features:

- TDMA Dual Slot DMR Radio
- Digital and Analog Dual Modes
- Selective Call, Group Call & AI Call
- Scan function
- Private/group/all call

- English voice prompt
- Power Save/ Low power alarm
- Channel scanning
- Priority scanning
- Wide/narrow selection
- VOX function
- Built in CTCSS/DCS
- Voice Encryption function
- High battery capacity mah
- Compatible with MOTOTRBO AND HYTERA DMR

Specifications:

Item number	DM-3000
General	
Frequency Range	VHF:136-174MHZ / UHF:400-470MHz/ UHF: 450-520MHz
Channel	32 Channels
Channel spacing	12.5KHZ
Operating voltage	7.4v
Battery type	Li-ion
Operating temperature	-30°C +60°C
Store temperature	-40°C +85°C
Antenna Impedence	50Ω
Audio output power	≤1000mW@16Ω
Battery capacity	1800mAh standard Li-ion battery
Dimension(H*W*D)	112*60*33mm
Weight	258g
Transmitter	
Output power	High: ≤5W(HI) / Low: ≤1W(Low)
Frequency stability	+-1.0ppm

Adjacent channel Power	$\leq -60\text{dB}$
Free time slot power	TDMA: $\leq 57\text{dBm}$
Hum and Noise	-40dB @ 12.5KHZ
Spurious Radiation	Antenna: 9KHz-1GHz $\leq -36\text{dBm}$ 1GHz-12.75GHz $\leq -30\text{dBm}$
FM modulation mode	12.5KHZ: 11K0F3E
4FSK digital mode	12.5KHZ(data only): 7K60FXD 12.5KHZ(data+voice): 7K60FXE
Modulation Maximum Deviation	2.5KHZ@12.5KHZ
Nonactive slot power	-57dBm
Digital protocol	ETSITS102 361-1 -2 -3
Vocoder type	AMBE+2TM
Audio response	$+1\text{dB} \sim -3\text{dB}$
Modulation BER(Bit error rate)	$\leq 5\%$
Receiver	
Analog sensibility	0.35uV/-116dBm(20dB SINAD) / 0.22 uV/-120dBm(Type)
Digital sensibility	0.3 uV/-117.4dBm(BER 5%) / 0.22 uV/-110dBm(BER 1%)
Co-channel Rejection	$\geq -12\text{dB}$
Spurious response	TIA603C: 75dB ETSI: 70dB
Adjacent channel selectivity	TIA603C: 65dB ETSI: 60dB
Rated audio power	1W
Audio response	$= 1\text{dB} \sim -3\text{dB}$
Rated audio distortion	3%(Type)
Spurious radiation	Antenna: 9KHz-1GHz $\leq -57\text{dBm}$ / 1GHz-12.75GHz $\leq -47\text{dBm}$