

THE SPECS

AWR-DRP9050

The AWR-DRP9050 is a professional, high performance DMR digital/analog repeater. The AWR-DRP9050 repeater can support single and mixed mode operation on-the-fly. It can be networked for extended functionality and management.



SPECIFICATIONS

Housing Color	Black
Height	3.5"
Width	17.3"
Depth	19"
Weight (w/battery & antenna)	26.5 lbs
Operating Temperature	-10°C~+55°C (14°F~+131°F)
Power Requirement	100~264VAC~ 50/60Hz
Transmitter Power	5-45W
Channels	99
Channel Spacing	12.5kHz
Operating Frequency Range	400-470 MHz
Tone/Code Signaling	Yes
Hang-Time Timer	Yes (digital only)
Time-Out Timer	Yes
Antenna Impedence	50KΩ
Speaker Impedence	40Ω
Digital Speech Encoder	AMBE++
Transmit Bit Error Rate	≤1.5%
RF Output @Antenna	N-Type
Frequency Stability	≤2.5 ppm

Modulation	4FSK
Antenna Port Spurious Emission 9KHz~1GHz 1GHz ~12.75GHz	≤-36dBm, TX Mode ≤-57dBm, Standby Mode ≤-30dBm, TX Mode ≤-47dBm, Standby Mode
Case Port Spurious Emission 9KHz~1GHz 1GHz ~12.75GHz	≤-36dBm, TX Mode ≤-57dBm, Standby Mode ≤-30dBm, TX Mode ≤-47dBm, Standby Mode
Duty Cycle	100%
Digital Sensitivity (BER5%)	≤-117dBm
Audio Output Power	3.0 W
Adjacent Channel Selectivity	≥65dB
Intermediation Disturbance Rejection	≥70dB
Transient Switchover Adjacent Channel Power	±12.5kHz: ≤50 dB
4FSK Digital Modulation	Date 7K60FXD, Date Plus Voice 7K60FXW
Adjacent Channel Power	±12.5kHz: ≤-60dB

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