



AWR D7000™

DIGITAL TWO-WAY RADIO

The AWR-D7000 Digital Two-way Radio is feature packed. Sturdy and durable alloy chassis, high quality speaker, 4W audio power, louder and crisper, dustproof, waterproof and much more.



Slim, Durable, and Waterproof

Key Features:

- Ultra Slim Design, Elegant and Handy
- FCC/IC Compliant
- Analog/Digital Dual Mode
- TDMA 2 Slots
- Supplementary Service Support
- One-Touch Call
- Up to 4 Programmable Keys
- High Quality, 40 mm, 1W Speaker for Loud, Crisp Audio

Advantages of Digital Two-Way Radios:

			
Improved Range	Better Audio Quality	Increased Capacity	Improved Battery Life
Digital processing allows for extended range where analog would get noisy and drop out.	Audio is clear for an extended range. No background noise when speech pauses.	Two usable channels where there is generally one.	Battery life extended due to transmitter duty cycle.

Accessories:



AWR-D7000



Battery
221431



Six Unit Charger
221253-AW02



Single Unit Charger
221407-AW02



Reversible Ear Hook
Headset
221424



Ear Hook Headset
221425



Ear Loop Headset
221426



Flexible Ear Loop
Headset
221427



Large Speaker
Microphone
221430



Belt Clip
221433

Additional accessories including wired headsets are available at:
www.advancedwireless.com

Specifications:

Housing Color	Black and Silver
Dimension (inches)	2" x 5.2"
Height (not including antenna)	4.96"
Width	2"
Depth	1.05"
Weight (w/battery & antenna)	9.85 oz
Antenna	Helical
Audio Accessory Jack	Yes, Multi-pin
Power Supply - Battery	Yes, Li-ion
Power	H: UHF 4W L: 1.5W
Channels	32
Select Channels	16 Channels per zone
Frequency	400-470 MHz
Battery Status Indicator	Yes
Built-in VOX	Yes
Battery Save Mode	Yes
TOT	Yes
Companion	No

Scan	Yes
Priority Scan	Yes
Busy Channel Lock-Out	Yes
Proceed to Talk Tone	Yes
Roger Tone	Yes
Encryption	Yes
LCD	No
Vibration	No
Bluetooth	No
Voice Recorder	No
DTMF Encoding	No
CTCSS & DCS Coding	Yes
Adjustable Microphone Gain (Sensitivity)	Yes
Wireless Cloning	No
Channel Spacing	12.5 kHz
Operating Voltage	7.4 VDC
Battery Life 5.5.90	1800 mAh: Analog 13.9 hours, digital 17.5
Battery Save - ON	
Frequency Stability	± 2.5ppm

Operating Temperature	-25°C~+60°C
Antenna Impedance	50Ω
Microphone Impedance	2.2KΩ
FM Modulation	12.5kHz: 8KΦF3E
4FSK Digital Modulation	12.5kHz data 7K60FDX 12.5kHz data and voice 7K60FXW
Digital Vocoder Type	AMBE++
Digital Protocol	ETSI-TS102361-1,-2
Harmonic/Spurious	≥ 70dB
Max Frequency Deviation	≤2.5kHz@12.5kHz
FM Noise	≥45dB
Audio Distortion	≤5%
Analog Sensitivity	≤0.25μV(12dB SINAD)@12.5kHz
Digital Sensitivity	0.22μV (BER5%)
Adjacent Channel Selectivity	≥65dB@12.5Khz
Intermodulation	≥60dB@12.5Khz
Signal-to-Noise Ratio	≤-40dB @12.5kHz
Audio Power Output	≥1000mW



**ADVANCED
WIRELESS**
COMMUNICATIONS

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