

APR100



Affordable 16 Channel 4/5 Watt Two-Way Radio

Alpha One™ is 4/5 watt, submersible/dust proof two-way radio designed for light duty applications. The Alpha One APR100 is a small, easy-to-hold radio that is ideal for schools, churches, restaurants, warehouses, retail stores, on-site security, summer camps, and more.



Features:

- **Completely Compatible-** With Motorola, Kenwood, Vertex, Icom, and other major manufacturers
- **Small Size/Light Weight-** Radio is 4½" tall and 9 oz. with battery. Won't get in the way
- **Lithium-Ion Battery-** Lasts up to 16 hours
- **16 Channels-** Allows multiple users and groups
- **VOX Hands-Free-** Voice operated transmission option
- **2 Programmable Buttons-** Access frequently used features quickly
- **2 Year Warranty**



General	
Freq. Band	400 - 470 MHz UHF 136 - 174 MHz VHF
Dimensions (HxWxD)	4.5" (114mm) x 2.25" (57mm) x 1.5" (38mm)
Weight	9 oz. (255g)
Channels	16
Channel Spacing	12.5 KHZ
Battery	Li-ion 1300 mAh
Battery Life	>16 hours
Antenna Imp.	50 Ω
Mic Impedance	2K Ω
Speaker Imp.	16 Ω

Transmitter Specification	
Power Output	5W VHF 4W UHF
Modulation Sensitivity	8-12 (mV)
Modulation Distortion	5%
Modulation Limiting	5Khz
Adjacent Channel Power (Ratio)	65dB
Intermodulation Attenuation	40dB
Spurious Radiation	7.5uW

Receiver Specification	
RF Sensitivity	-120dBm
Audio Distortion	5%
Signal-to-Residual Output Power Ratio	-40dB
Co-channel Suppression	-8dB
Blocking Character	85dB
Adjacent Channel Selectivity	55dB
Spurious Response	55dB

Optional Accessories:



Light Duty Speaker Mic
SM110-X03



Medium Duty Speaker Mic
SM220-X03



One-Wire Surveillance Kit "D-Loop" Style
SK11DL-X03



One-Wire Surveillance Kit "Ear-Hook" Style
SK11EH-X03



One-Wire Surveillance Kit "In-Ear" Style
SK11NE-X03



Lithium Ion Battery 1600 mAh 11.8 Wh
B1016LI



Lithium Ion Battery 1300 mAh 9.6 Wh
B1013LI



6 Bank Charger
CH1006 PKG



Single Charger
CH1001 PKG



Nylon Holsters
HN100
Fixed & Swivel Options



Light Duty "Behind the Head" Headset
HS11V-X03



Light Duty "Over the Head" Headset
HS21V-X03



Belt Clip
BC100



3" Stubby Antenna
ANH3500U-3 440-470



6" Antenna
ANH3500U-6 440-470
ANH3500V-6 136-174



For more information, visit
RCACommunicationsSystems.com

Authorized North American Dealer:

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