

# AAHHi

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Professional Two-Way Radio Manufacturer



## A45 4W EFFICIENT ANALOG PORTABLE RADIO



**Heavy Duty, Durable & Lightweight**



ANALOG

### Dual Watch

Allows user to choose 2 priority channels to scan.

### Hands-free VOX

This hands-free feature allows you to get on with other manual tasks while you stay in touch with other users.

### Voice Prompt

The radio actually talks to you in a human-like voice. You will hear the prompt spoken in plain relative language.

### Offset

Offset is the difference between a radio channel's receive and transmit frequencies.

### Reverse Frequency

Reverse works by swapping the two frequencies. The transmit and receive frequencies of the active channel are exchanged or reversed.

### CTCSS/DCS

CTCSS uses continuous tones below 300 Hz whereas DCS uses digital data and all encoded words can be used on the same channel without interference.

### DTMF

DTMF is a technology that uses a combination of tones to perform a number of useful signaling operations.

### FM Broadcast Radio (Optional Paid Feature)

This two-way radio is also capable of receiving normal FM broadcasts.

## SPECIFICATION

General	
Frequency Range	Version A:136-174 Version B:400-470
Channel Capacity	199
Zone Capacity	/
Channel Spacing	12.5/25kHz
Frequency Stability	±1.5ppm
Antenna Impedance	50Ω
Operating Voltage	DC 7.4V
Battery Capacity	1600mAh
Battery Life(5-5-90 Duty Cycle, High TX Power)	11 hours
Dimensions (ex ant, H×W×D)	112.5(H)*57.5(W)*36.5(D) mm
Weight	About 230g
Transmitter	
Output Power	H:4.2±0.2W@7.4V L:1±0.2W@7.4V
Analog FM Modulation	12.5 kHz: 11K0F3E 25 kHz: 16K0F3E
Digital 4FSK Modulation	/
Conducted/Radiated Emission	≤-30dBm
Modulation Limiting	<2.5KHz@12.5KHz <5KHz@25KHz
FM Hum & Noise	≥45dB@25KHz ≥40dB@12.5KHz
Adjacent Channel Power	≤-60dB@12.5KHz
Audio Response	+1dB ~ -3dB
Modulation Distortion	≤5%
Digital Vocoder Type	/
Digital Protocol	/
Carrier Frequency Tolerance	±1.5ppm
Receiver	
Sensitivity(Analog)	-123dBm@12dB SINAD
Selectivity(Digital)	/
Adjacent Channel Selectivity	≤-65dB@12.5KHz
Inter Modulation Response Rejection	≤-55dB
CSQ Hum & Noise	≥45 dB@25K; ≥40 dB@12.5K
Rated Audio Power Output	≤1000mW@16Ω
Rated Audio Distortion	≤5%
Conducted Spurious Emission	≥57dB
Co-channel Rejection	≥-12dB
Block	≥85dB
Received Signal To Noise Ratio	≥45 dB@25K; ≥40 dB@12.5K

All specifications are subject to change without notice due to continuous development.

## ACCESSORIES

### STANDARD ACCESSORIES



TP008



BL009



CC006



PC1001



PP1003

### OPTIONAL ACCESSORIES



PC1010



LP001



EE001



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Threads



Name Card

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