

Specifications

General Specification	
Frequency Range	UHF: 400-480MHz PMR446: 446.0MHz - 446.2MHz
Channel Capacity	32CH (2 zones)
Channel Spacing	25 kHz/12.5 kHz
Operation Temperature	-25°C ~ +60 °C
Operation Voltage	3.7VDC (Rated)
Antenna Impedance	50Ω
Microphone Impedance	2.2KΩ
Frequency Stability	±1.5 ppm
Battery Capacity	Li-ion DC3.7V 1800mAh
Dimension (height*width*thickness)	89mm*46mm*23mm
Weight	115g(with battery and antenna)
IP rate	IP54

Receiver	
Sensitivity(12dB SINAD)	25K ₀ -121dBm 12.5K ₀ -119dBm
SNR(Signal-To-Noise Ratio)	25K ₀ 45 dB 12.5K ₀ 40 dB
Adjacent Channel Selectivity	25K ₀ 65 dB 12.5K ₀ 60 dB
Intermodulation	25K ₀ 60 dB 12.5K ₀ 55 dB
Spurious Response Rejection	≥65 dB
Audio Output Power	≥500 mW
Sensitivity(digital)	0.3μV BER : 5%
Rated Audio Distortion	≤ 5%

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

Transmitter	
RF Power	PMR446 version: 0.5 W Business version: 1.5 W
FM Modulation	25K/16K/9F3E 12.5K/8K/9F3E
4FSK Digital Modulation	12.5KHZ Data7K60FXD 12.5KHZ Data and Voice 7K60FXW
Digital Vocoder Type	AMBE++
Digital protocol	ETSI-TS102 361-1,-2
Harmonic	≥ 70 dB
SNR (Signal-to-Noise Ratio)	25K ₀ 45 dB 12.5K ₀ 40 dB

ABELL[®]
DMR Solution Specialist



X1 pro

A Cute and Professional
Business DMR
Walkie-Talkie



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Dealer Area



Application



Retail chain stores



Shopping malls



Super markets



Fine restaurants



Star hotels



Outdoor hiking

Product Advantages

DMR and analog dual mode

PMR446 version: 0.5 W

Business version: 1.5 W

X1 pro has both PMR446 and professional DMR 2 versions. The output power of professional DMR version is 1.5W. Both PMR446 and professional DMR version has DMR and analog dual mode, and 2 zone, 32 channels totally.

Smart dimension, easy to grab

The dimension is 89mm×46mm×23 mm, which is very convenient to grab, or clip to collar of T-shirt or coat. Design for business client, like chain store, super market, etc.

Type C direct charging

Type C direct charging save the accessory cost, and space. Easy to handle and management.

Key lock

The key lock function avoid misoperation by accident.

1800 mAh Li-ion battery

The big battery capacity 1800 mAh, enable the radio with the long standby time, up to 42 hours. Measuring as 5-5-90 duty, it can use 16 hours in analog, and 22 hours in digital.

Optional earphone compatible with other popular brand

X1 pro is capable to use the earphone

LED Indicator battery Status

The LED screen indicate critical status, for instance, battery capacity, channel number, zone number, channel type, etc.

Voice announcement for channel and battery

Voice announcement for channel number, and battery capacity, low battery alarm, convenient for users.

Standard Accessories



Power Adapter



1800 mAh Li-ion battery
AB-L1801



Belt clip
ABC-X1P



Hand strap
AR-490-01

Optional Accessories



Earphone
AE-H1-TG



program cable
AD-UT-E01



Charger Base
BC-X1



Multi-Charger
6BC-X1



6-Way Power Supplier
CA-60510C