

# ENHANCED BUSINESS TWO-WAY RADIO

## AP51X/AP58X

STAY CONNECTED, STAY PRODUCTIVE.



AP51X

AP58X



Hytera AP5 Series is the portable radio designed with business productivity in mind. It provides instant, always-available communications for those engaging in retail, hospitality, and manufacturing industries to collaborate seamlessly and work efficiently. Slim and light, AP5 Series is easy to carry on the go. It delivers enhanced audio clarity and loudness even in noisy environment, thanks to a 3-watt speaker and noise cancellation algorithm. The Type-C USB port design allows AP5 Series to be charged with a power bank anywhere. Also its high-sensitivity RF module and high-performance antenna extend communication range to make the users stay connected in the workplace.







### Deliver Crystal-Clear Audio

From the 3-watt speaker to the advanced noise cancellation algorithm, AP5 Series eliminates unwanted ambient noise, reduces distortion, and suppresses howling caused by radios close to each other. So AP5 Series delivers loud and clear audios, helping the users get business-essential information to be more productive at any time.



### Communicate Throughout the Workplace

AP5 Series comes with the high-sensitivity RX module and high-efficiency monopole antenna for stronger signal penetration. Thus, the users can communicate smoothly even with low battery or in weak signal areas. Additionally, the antenna has the unique thickened thread design for great flexibility, better radiation efficiency, prolonged service life, and extended communication range.



### Outlast Your Shift

Long-lasting battery life keeps the users connected throughout an extended shift. With the low-power consumption design and the 4,000 mAh Li-polymer battery, AP51X can work for up to 17 hours on a single charge. Through the 10W power adapter and the Type-C USB cable, AP58X can be fully charged in just 1.8 hours.





### Easy to Use

Ap5 Series packs a wide range of innovative features into a form factor small enough to hold in your hand. It is remarkably intuitive to use. For example, even without screen, AP51X can give a customized voice announcement to confirm operation such as channel switch or programmable key settings, allowing the users to keep eyes on the job at hand.



### Trustworthy Quality

AP5 Series is built with Hytera quality. At Hytera, quality is everywhere, from the world's largest professional mobile radio (PMR) production line, to strict supplier management system, to stringent quality control process. All of these contributes to the durability and reliability of each radio.

## KEY FEATURES

- 32/128 channels
- Auto scan
- MIC GAIN AGC
- Priority channel
- Squelch
- Clear audio
- H/L power switching
- HDC1200 signaling/2-Tone signaling/  
5-Tone signaling (optional)
- CTCSS/CDCSS
- Talk around
- Timeout timer
- Customized voice announcement (AP51X)
- BT(optional) audio/Android APP programming
- Type-C Charge





# ACCESSORIES

STANDARD ACCESSORIES: ☐

OPTIONAL ACCESSORIES: ☐



Li-polymer Battery  
4000mAh (AP51X)



Type-C Cable  
(AP51X)



Power Adapter (USB)  
(AP51X)



Li-ion Battery  
1500mAh (AP58X)



Rapid-rate Charger  
(CH10A07, AP58X)



Power Adapter  
12V/1A (AP58X)



Belt Clip



Strap



Antenna



Li-ion Battery  
2400mAh (AP58X)



Type-C Cable  
(AP58X)



Power Adapter (USB)  
(AP58X)



Rapid-rate charger  
(CH10L32, AP51X)



Power Adapter  
12V/1A (AP51X)



Multi-unit charger



Programming Cable



C-Earset



D-Earset



Earpiece with Transparent  
Acoustic Tube



Speaker Microphone



Carrying Case  
(Nylon)



Chest Pack



Waterproof Bag



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# SPECIFICATIONS

General	AP51X	AP58X
Frequency Range	136-174MHZ;400-470MHZ	136-174MHZ;350-400MHZ;400-470MHZ
Channel Capacity	32	128
Zone Capacity	2	8
Zone Channel	16	
Channel Spacing	12.5kHz/20kHz/25kHz	
Operating Voltage	3.7V (rated)	7.2V (rated)
Battery	Li-Polymer 4000mAh	Li-ion 1500mAh(Standard); Li-ion 2400mAh(Optional);
Battery Life (5/5/90 Duty Cycle,High TX Power)	17h	12h(1500mAh) 18h(2400mAh)
Frequency Stability	±0.5ppm	
Antenna Impedance	50Ω	
Dimensions (H x W x D)	105 x 55 x 29.5mm	115 x 55 x 29.5mm
Weight(with antenna&battery)	200g	230g
Display	\	1.44 inch monochrome LCD, 128X32pixel
Receiver		
Sensitivity	0.18μV (12dB SINAD)	
Adjacent Channel Selectivity	TIA-603: 60dB@12.5kHz; 70dB@20/25kHz ETSI: 60dB@12.5kHz; 70dB@20/25kHz	
Intermodulation	TIA-603: 70dB@12.5/20/25kHz ETSI: 65dB@12.5/20/25kHz	
Spurious Response Rejection	TIA-603: 70dB@12.5/20/25kHz ETSI: 70dB@12.5/20/25kHz	
Blocking	TIA-603: 80dB; ETSI: 84dB	
Hum and Noise	40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz	
Rated Audio Power Output	0.5W	1W
Rated Audio Distortion	≤3%	
Audio Response	+1~-3dB	
Conducted Spurious Emission	<-57dBm	
Transmitter		
RF Power Output	VHF: 4-5W / 1W UHF: 3-4W / 1W	VHF: 5W / 1W UHF: 4W / 1W
FM Modulation	11K0F3E@12.5kHz; 14K0F3E@20kHz; 16K0F3E@25kHz	
Conducted/Radiated Emission	-36dBm < 1GHz; -30dBm > 1GHz	
Modulation Limiting	±2.5kHz@12.5kHz; ±4.0kHz@20kHz; ±5.0kHz@25kHz	
FM Hum&Noise	40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz	
Adjacent Channel Power	60dB@12.5kHz; 70dB@20/25kHz	
Audio Response	+1 to -3dB	
Audio Distortion	≤3%	
Environmental		
Operating Temperature	-30°C * to +60°C	
Storage Temperature	-40°C to +85°C	
ESD	IEC 61000-4-2 (Level 4) ±8kV (contact); ±15kV (air)	
Dust and Water Intrusion	IEC60529-IP54	
Humidity	MIL-STD-810 H	
Shock and Vibration	MIL-STD-810 H	
*Radio only - Battery -20°C		