

DIGITAL ANALOG

Professional Digital FM Two Way Radio IP68



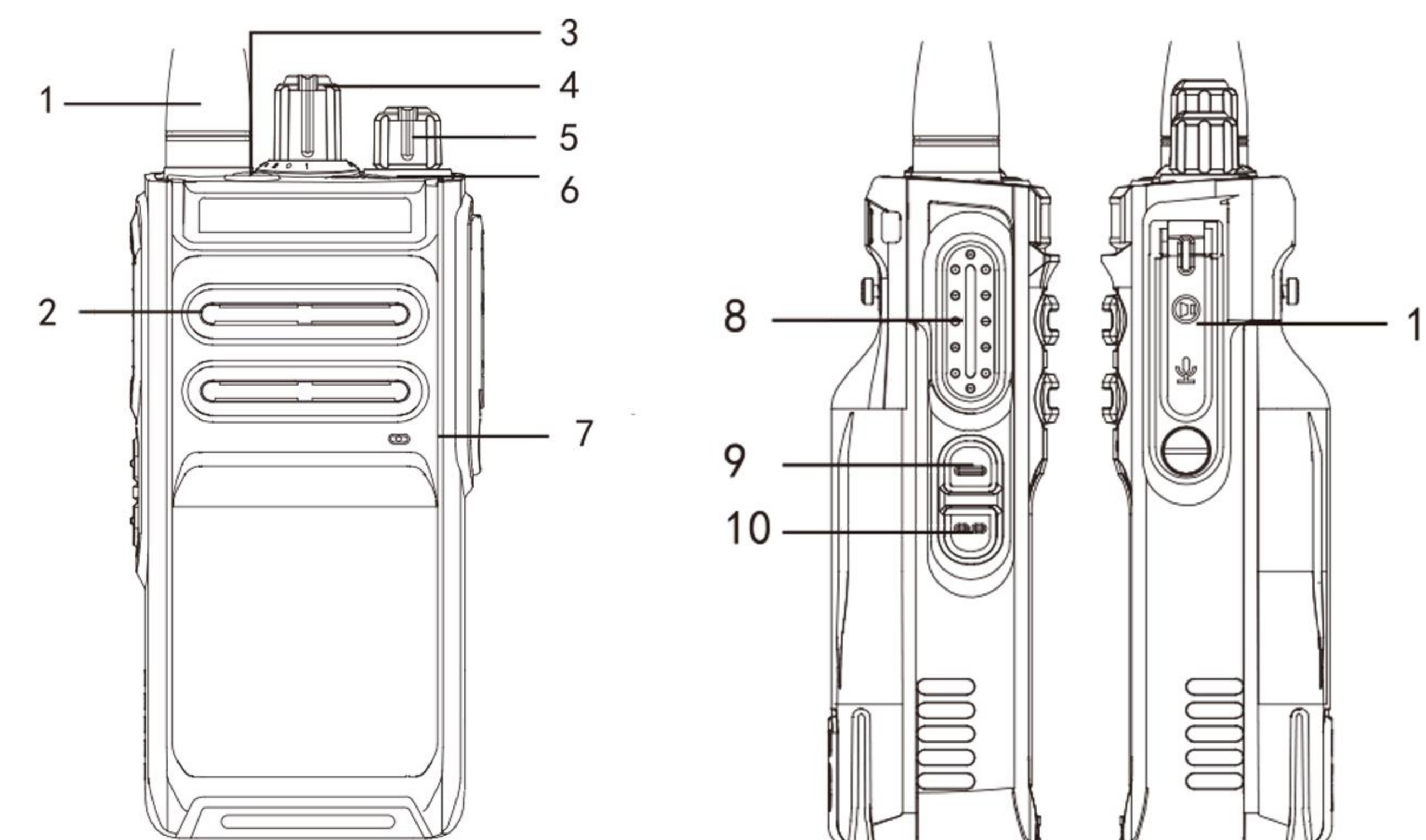
- VOX
- SCAN
- Programmed Buttons
- Voice Announcement
- High / Low Power
- Scrambler
- Time-out Timer
- Power Saving
- Squelch
- Key Lock
- High-definition Audio Clarity
- Single call/Group call/All call
- AES256 Encryption
- Remote Killed
- Remote Monitor
- Activate
- Zone Switch
- Call Alert
- VHF/UHF Capable
- Intrinsic Safety Options Available



JR-MP-07

Professional Portable Digital Radio

Radio Overview



No.	Name
1	Antenna
2	Speaker
3	Top Key
4	Channel Knob
5	Power/ Volume Knob
6	LED Indicator
7	MIC
8	PTT Key
9	Programming Key 1
10	Programming Key 2
11	Accessories Jack

Specification

Transmitter		General		Receiver	
RF Power	1W (Low) / ≤5W (High)	Frequency Range	136~174MHz,350~400MHz 400~470MHz,450~520MHz	Analog Sensitivity	0.2μV (12dB SINAD)
Power Margin Variation	+2/-3dB (under Extreme Conditions)	Channel Spacing	12.5 KHz / 25 KHz	Digital Sensitivity	0.22μV (Typical) (BER 5%)
Frequency Error	±1.0ppm	Channel/Zone Capacity	32Channels /2 Zones	Adjacent Channel Selectivity	60dB @ 12.5KHz 65dB @ 25KHz
FSK Error	<5%	Operating Voltage	7.4V	Intermodulation Rejection	60dB @ 12.5KHz 60dB @ 25KHz
4FSK Transmission Bit Error Rate (BER)	≤1×10 ⁻⁴	Battery Capacity	2200mAh	Blocking	84dB @ 12.5KHz 84dB @ 25KHz
4FSK Modulation Frequency Deviation Error	≤10.0%	Battery Life (5/5/90)	Analog: 11 hours ; Digital: 14 hours	Co-Channel Rejection	-12dB @ 12.5KHz -8dB @ 25KHz
Occupied Bandwidth (PDT/DMR)	≤8.5KHz	Vocoder Type	AMBE+2	Spurious Response Rejection	65dB @ 12.5KHz 65dB @ 25KHz
TX Attack/Release Time	≤1.5ms	Frequency Stability	±1.0ppm	Rated Audio Output Power	1.0W /16Ω
Adjacent Channel Power	≤-50dB @ 12.5KHz / ≤-60dB @ 25KHz	Antenna Impedance	50Ω	Conducted Spurious Emission	<-57dBm (9KHz~1GHz) <-47dBm (1GHz~12.75GHz)
Transient Adjacent Channel Power	≤-50dB @ 12.5KHz / ≤-60dB @ 25KHz	Dimensions (without Antenna)	133.5*61.7*40mm		
FM Modulation	16K0F3E @25KHz/ 11K0F3E @12.5KHz	Weight	Around 300g		
4FSK Digital Modulation	12.5KHz (data only) : 7K60FXD 12.5KHz (data + voice) : 7K60FXE	Ingress Protection (IP) Rating	IP68		
Audio Distortion	≤3% @ 40% Deviation				
Audio Response	+1 ~ -3dB				
FM Hum and Noise	40dB @ 12.5KHz / 45dB @ 25KHz				
Spurious Emission	≤-36dBm (9KHz~1GHz) ≤-30dBm (1GHz~12.75GHz)				

Standard Accessories



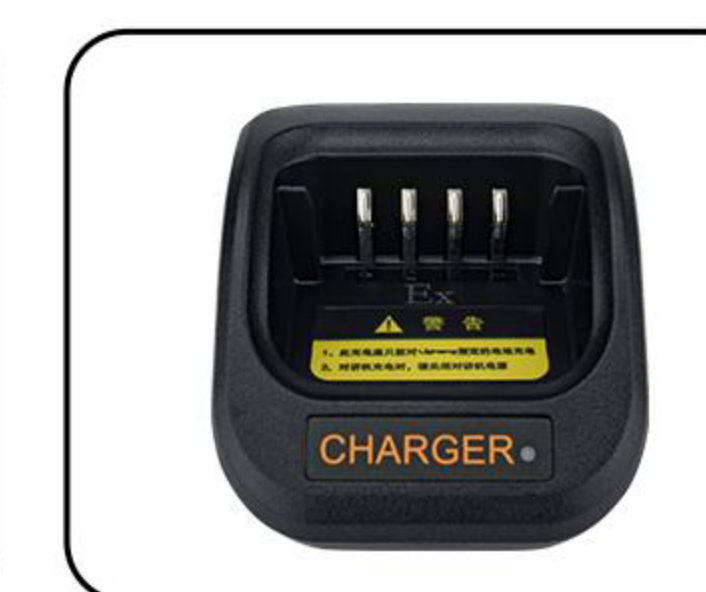
Antenna



Battery



Belt Clip



Charger Dock



AC Adaptor



Hand strap



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