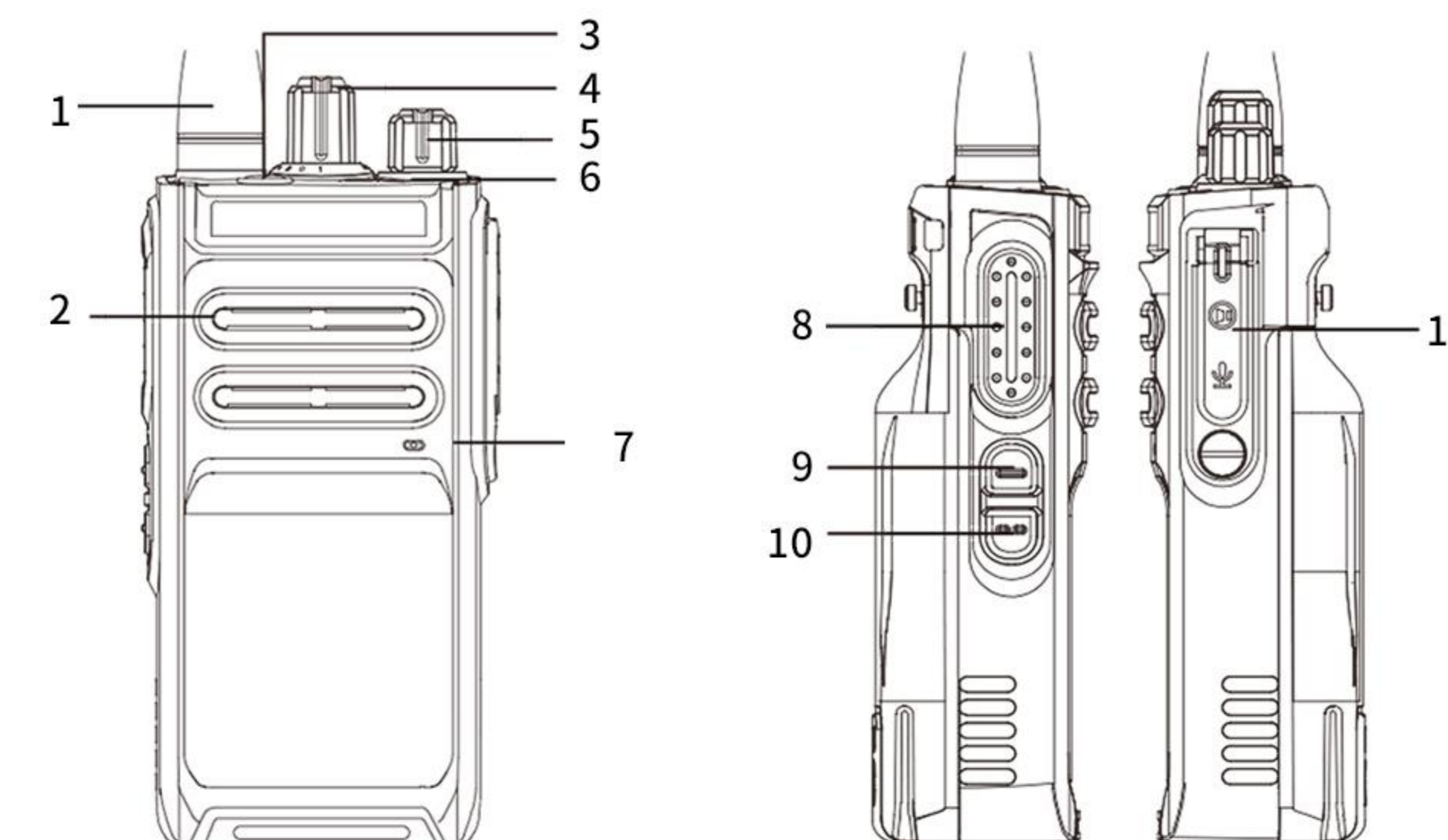


M4EX

IP68 Portable DMR Radio

- Noise Cancellation
- AES256 Encryption
- Noise Cancellation
- USB Type-C Charger
- Lone Worker
- Emergency Alert
- VOX
- Battery Options:
2200/2600/3000mAh
- Private Call/Group call/All call
- Programmed Buttons
- Power Saving
- Power Save Delay
- Low Battery Alert
- Remote Kill/Revive/Stun
- Call Alert
- Voice Announcement
- Auto Power-off
- Talk Around
- Frequency Hopping

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		Receiver		General	
RF Power	1W (Low) /≤5W (High)	Analog Sensitivity	0.2μV(FM @ 12dB SINAD)	Frequency Range	136~174MHz, 350~400MHz 400~470MHz
Power Margin Variation	+2/-3dB(Under extreme conditions)	Digital Sensitivity	0.22μV(typ.) (@ 5% BER)	Channel Spacing	12.5KHz / 25KHz
Frequency Error	±1.0ppm	Adjacent Channel Selectivity	60dB @ 12.5KHz 65dB @ 25KHz	Channel Capacity	48
FSK Error	<5%	Intermodulation Rejection	60dB @ 12.5KHz 60dB @ 25KHz	Zone Capacity	3
4FSK Transmission Bit Error Rate	≤1×10 ⁻⁴	Blocking	84dB @ 12.5KHz 84dB @ 25KHz	Operating Voltage	7.4V
4FSK Modulation Frequency Deviation Error	≤10.0%	Co-Channel Rejection	-12dB @ 12.5KHz -8dB @ 25KHz	Battery Capacity	2200mAh
Occupied Bandwidth (DMR)	≤8.5KHz	Spurious Response Rejection	65dB @ 12.5KHz 65dB @ 25KHz	Battery Life (5/5/90)	Analog Mode: 15 Hours; DMR Mode: 21 Hours
TX Attack/Release Time	≤1.5ms	Rated Audio Output Power	1.0W / 16Ω	Vocoder Type	AMBE+2
Adjacent Channel Power	≤-50dB @12.5KHz ≤-60dB @25KHz	Conducted Spurious Emission	<-57dBm (9KHz~1GHz) <-47dBm (1GHz~12.75GHz)	Frequency Stability	±1.0ppm
Transient Adjacent Channel Power	≤-50dB @12.5KHz ≤-60dB @25KHz			Antenna Impedance	50Ω
FM Modulation	16K0F3E @25KHz 11K0F3E @12.5KHz			Dimensions (without Antenna)	133.5*61.7*40mm
4FSK Digital Modulation	12.5KHz (data only) :7K60FXD 12.5KHz (data+voice) :7K60FXE			Weight	10.48 oz (297g)
Audio Distortion	≤3% @ 40% deviation			Ingress Protection (IP) Rating	IP68
Audio Response	+1 ~ -3dB				
FM Hum and Noise	40dB @12.5KHz 45dB @25KHz				
Spurious Emission	≤-33dBm (9KHz~1GHz) ≤-30dBm (1GHz~12.75GHz)				

*The above specifications are tested in accordance with applicable standards. Due to the continuous development of technology, the above index data are subject to change without notice.

Standard Accessories

