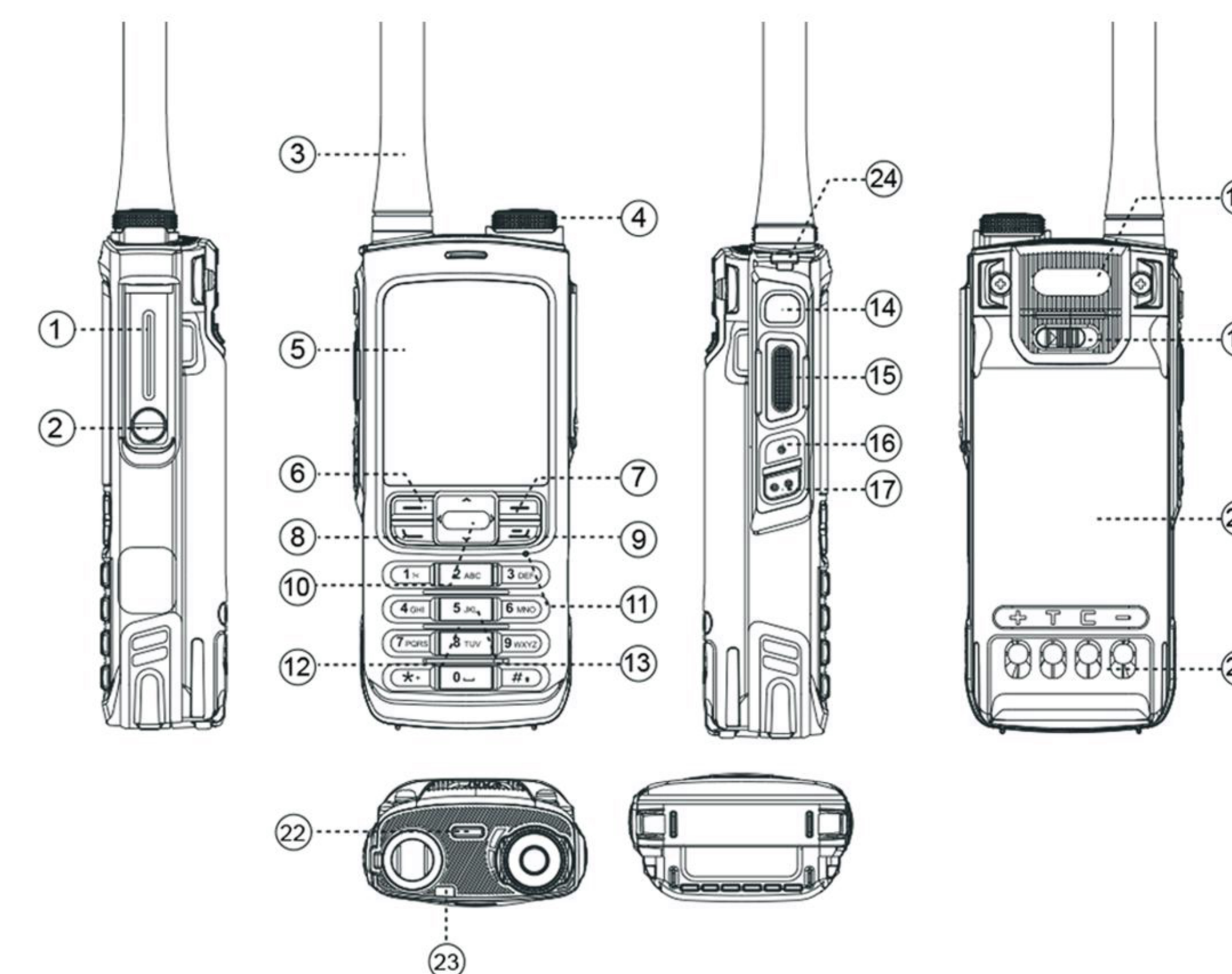


Radio Overview



No.	Name	No.	Name
1	Accessory Connector	13	Numeric Keypad
2	Screw of Accessory Connector Cover	14	Top Key (Programmable)
3	Antenna	15	PTT Key
4	Volume/Channel Knob	16	Side Key 1 (Programmable)
5	LCD Display	17	Side Key 2 (Programmable)
6	Menu/Confirm Key	18	Logo Label
7	Return Key	19	Battery Latch
8	Dial Key	20	Battery Pack
9	Hang Up / Power Key	21	Battery Terminals
10	Navigation Key	22	Belt Clip Fastening
11	Microphone	23	LED Indicator
12	Speaker	24	Lanyard Hole

Specification

Transmitter	
RF Power	1W (Low) / ≤5W (High)
Power Margin Variation	+2/-3dB (under Extreme Conditions)
Frequency Error	±1.0ppm
FSK Error	<2%
4FSK Transmission Bit Error Rate (BER)	≤1×10 ⁻⁴
4FSK Modulation Frequency Deviation Error	≤10.0%
Occupied Bandwidth (DMR)	≤8.5KHz
TX Attack/Release Time	≤1.5ms
Adjacent Channel Power	≤-60dB @ 12.5KHz ≤-70dB @ 25KHz
Transient Adjacent Channel Power	≤-50dB @ 12.5KHz ≤-60dB @ 25KHz
FM Modulation	4K00F1D @ 6.25KHz 8K0F3E @ 12.5KHz 16K0F3E @ 25KHz
4FSK Digital Modulation	12.5KHz (data only) : 7K60FXD 12.5KHz (data+voice) : 7K60FXE
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)

Receiver	
Analog Sensitivity	0.18μV (Typical) (12dB SINAD) 0.22μV (12dB SINAD) 0.30μV (20dB SINAD)
Digital Sensitivity	0.20μV (Typical) (BER 5%)
Adjacent Channel Selectivity	60dB @ 12.5KHz 70dB @ 25KHz
Intermodulation Rejection	65dB @ 12.5KHz 65dB @ 25KHz
Blocking	90dB @ 12.5KHz 90dB @ 25KHz
Co-Channel Rejection	-12dB @ 12.5KHz -8dB @ 25KHz
Spurious Response Rejection	70dB @ 12.5KHz / 70dB @ 25KHz
Rated Audio Output Power	1.0W / 8Ω
Conducted Spurious Emission	<-57dBm (9KHz~1GHz) <-47dBm (1GHz~12.75GHz)

General	
Frequency Range	136~174MHz, 350~400MHz 400~470MHz, 450~520MHz
Channel Spacing	6.25KHz(NXDN) / 12.5 KHz / 25 KHz
Channel/Zone Capacity	2000 Channels / 64 Zones
Operating Voltage	7.4V
Battery Capacity	2000mAh
Battery Life (5/5/90)	Analog/NXDN Mode: 10 Hours; DMR Mode: 12 Hours
Vocoder Type	AMBE+2TM
Frequency Stability	±1.0ppm
Antenna Impedance	50Ω
Dimensions (without Antenna)	5.27" H x 2.28" W x 1.26" D (134 x 58 x 32mm)
Weight	Around 273g
Ingress Protection (IP) Rating	IP68

Standard Accessories



DMR/NXDN PROFESSIONAL Digital Trunking Portable Radio

- ✓ Supports Multiple Work Mode: direct mode (analog and digital), repeater mode (analog and digital), digital trunking mode
- ✓ Supports Multiple Standard Protocols: DMR/NXDN
- ✓ Beidou/GPS Positioning
- ✓ 2.0-inch HD Color Display
- ✓ Man Down
- ✓ Vibration Function
- ✓ Advanced Encryption:ARC4 and AES256
- ✓ Supports Recording Fuction(digital mode)
- ✓ Emergency Alarm
- ✓ VOX
- ✓ Short Message
- ✓ TX Priority Interrupt
- ✓ SFR(single frequency repeater)