

MOTOPLUS



PROFESSIONAL

Portable FM Two way Radio

MP-20

- High/Low Power Switch
- Wide/Narrow Bandwidth
- Frequency-Hopping (FH)
- One-click Decryption
- Scan
- VOX/VOX Delay
- Squelch Level Check
- Time-out Timer (TOT)
- Voice Announce
- Power Saving
- Scrambler
- Compander
- Side Keys Programmed
- Tail Tone Eliminate
- Wireless Clone
- Busy Channel Lock-out
- Battery Checking
- Low Battery Alert
- Emergency Alert
- QT/DQT Tone

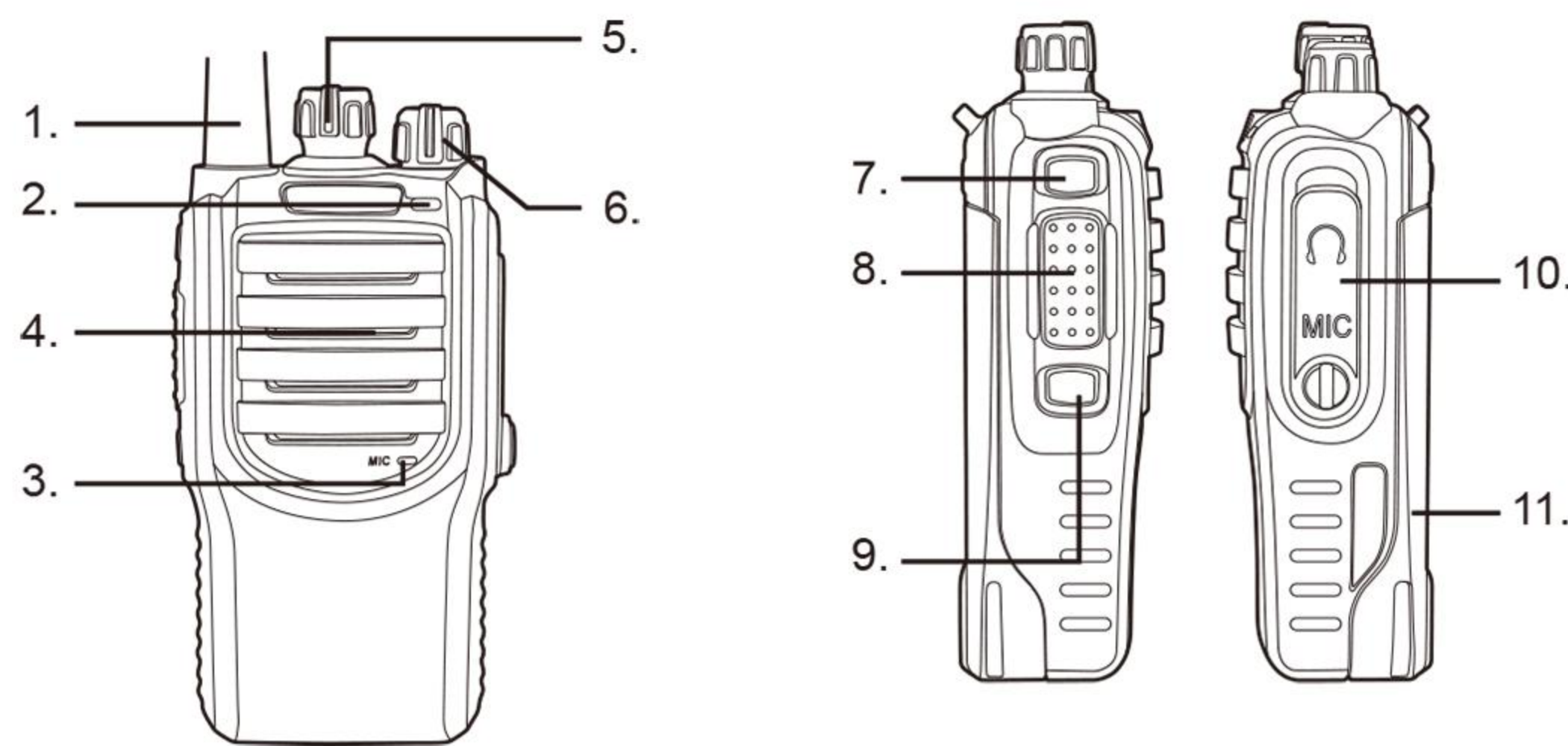


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Analog Two-Way Radio

Radio Overview



No.	Unit	Remarks
1	Antenna	Transmit/Receive signals, deliver wider communication coverage.
2	LED Indicator	Receiving: Green Light bright; Transmitting: Red Light bright
3	MIC	Microphone
4	Speaker	
5	Channel Selector Knob	Turn the knob to select the channels from 1-16.
6	Power / Volume Knob	<ul style="list-style-type: none">• Turn clockwise to switch on the radio, and turn counter-clockwise until a "click" is heard to switch off the radio.• After switch on radio, turn the knob clockwise to increase the volume, and turn counter-clockwise to decrease the volume.
8	PTT (Push-To-Talk) Key	Press and hold the PTT key to transmit, and release it to receive.
7	Side Key 1 (SK1)	You can short press (0.5S) or long press (2.5S) SK1 or SK2 key to enable the specified functions which can be programmed via the software. Press this key to activate the function (you will hear 1 Beep sound) and press again to quit (you can hear 2 Beep sound).
9	Side Key 2 (SK2)	
10	SP/MIC Jack	Dustproof and Rainproof
11	Battery Pack	

Specification

Transmitter	
Modulation Mode	16KΦF3E/8KΦF3E
Modulation limiting	±5kHz/±2.5 kHz
Output power	3W
Audio Distortion	≤5%
Residual FM	-50dB/-40dB
Adjacent Channel Power	-70dB/-60dB
Hum and Noise	-36dBm<1GHz -30dBm>1GHz
Receiver	
RX Sensitivity	≤0.18μV/0.22μV
Adjacent Channel Selectivity	≥70dB
Intermodulation	≥60dB
Spurious Response rejection	≥70dB
SNR	≥50dB
Audio output power	1W
Audio distortion	≤5%

General	
Frequency	325MHz
Channel Capacity	16
Channel Space	25/12.5kHz
Operating Voltage	7.4V
Frequency Stability	±2.5 ppm
Operating temperature	-25°C ~ +55°C
Antenna Impedance	50Ω
Battery Capacity	1200mAh
Battery Standby Time	Around 163h
Dimension	99mm*50mm*30mm
Weight (with battery and antenna)	Around 198g

*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



Antenna



Battery



Belt Clip



Charger



Hand strap