

MOTOPLUS

# Professional FM Transceiver

## Reliable Solutions for Your Workforce

MP-28

- Output Power Checking
  - VOX/VOX Delay
  - Squelch Level Check
  - Time-out Timer (TOT)
  - Voice Speech
  - Power Saving
  - CTCSS /DCS
  - Busy Channel Lock-out
- Scrambler
  - Compander
  - Frequency Reverse
  - Low Battery Alert
  - Side Keys Programmed
  - FM Radio
  - Tail Tone Eliminate

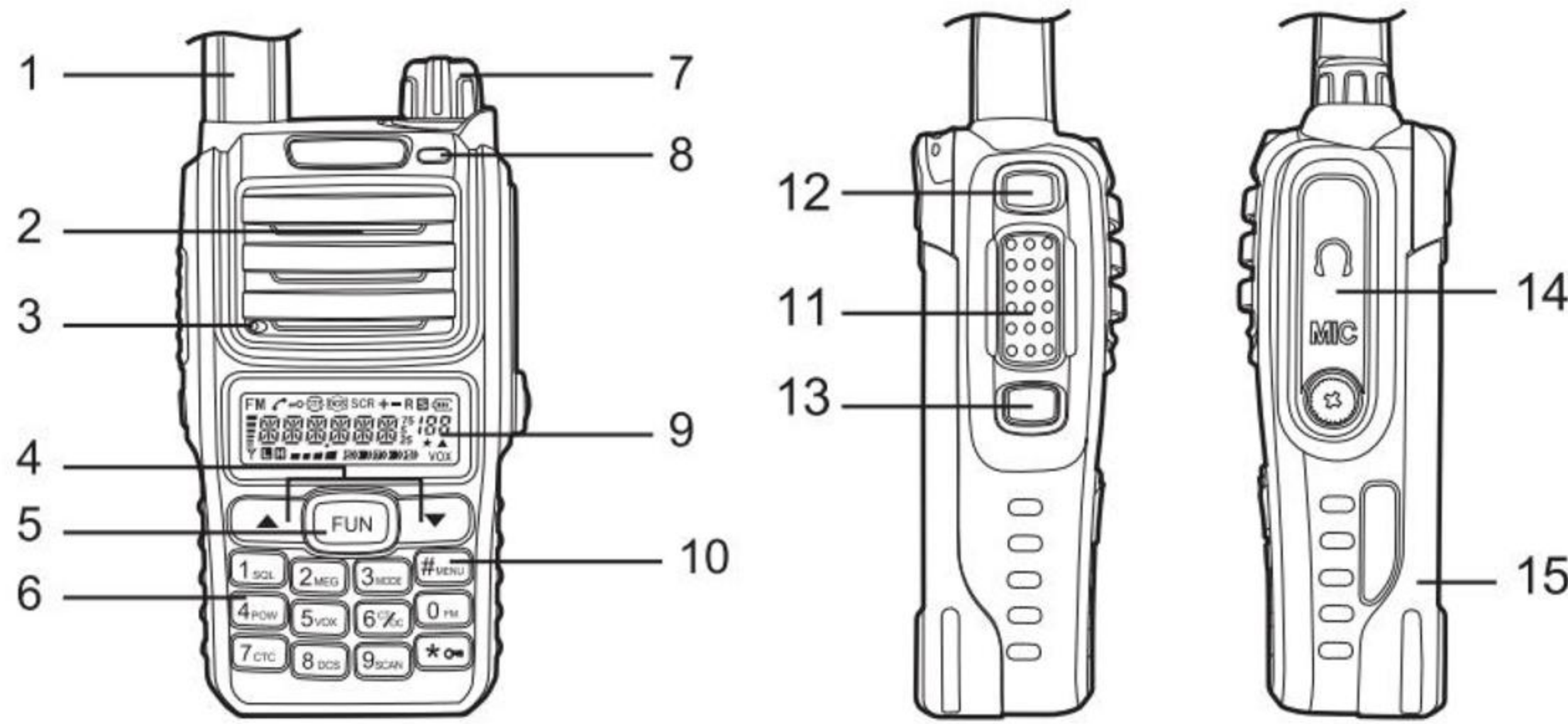


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MP-28

Analog Two-Way Radio

### Radio Overview



No.	Unit	Remarks
1	Antenna	Transmit/Receive signals, deliver wider communication coverage
2	Speaker	Broadcast signals and prompt tones
3	MIC	Microphone
4	Up/Down Key	Choose channels/frequencies in the menu status, it can be used in cooperation with other functions
5	FUN key	The key is used with other keys or use for shortcut key functions and confirm and exit the menu after finished the operation
6	Numeric key	Press numeric key to change frequency or channel or menu
7	Power supply switch/Volume adjustor	Turn clockwise to turn on the transceiver and turn counterclockwise to turn off the transceiver until a click sounds. Rotate it to adjust the volume level.
8	Status Indicator Light	Receiving: Green Light bright Transmitting: Red Light bright
9	LCD Display Screen	Show some settings of this unit
10	Confirmation/【#】key	Use to confirm the operation and return standby in the menu status
11	PTT(push to talk) Key	Press and hold the PTT key to transmit, and release it to receive
12	Lamp(Backlight)key	Turn on/off the LCD backlight
13	Monitor key	Press this key to monitor the background noise
14	SP/MIC jack	Dustproof and Rainproof
15	Battery	Supply voltages

### Specification

General	
Frequency	325MHz
Channel Capacity	199
Channel Space	25/12.5kHz
Operating Voltage	7.4V
Battery Capacity	1200mAh
Battery Standby Time	Around 163 hours
Dimension (L*W*H)	111mm*58mm*35mm
Weight (with battery & Antenna)	Around 120g
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	
Sensitivity	≤0.18μV/0.22μV
Adjacent Channel Selectivity	≥70dB
Intermodulation	≥60dB
Spurious Response rejection	≥70dB
SNR	≥50dB
Audio output power	1W
Audio distortion	≤5%

\*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

