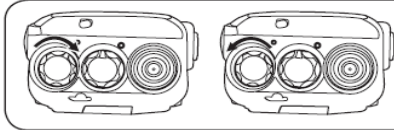


Power On and off



Turn **[POWER]** / **[VOLUME]** dial clockwise to power on.
Turn it counterclockwise to power off.

Transmitting

1. Select the frequency by using the dial or keypad.
2. Press the PTT key. The red TX indicator turns on while transmitting.
3. While holding down the PTT key, speak into the unit at normal voice from the distance of 5cm (2").
4. Release the PTT key to receive.

Switch between Main band and Sub band

Press **[B/A]** key to switch between Main band and Sub band.

Switch between Channel mode and VFO mode

Press **[C/V]** key to switch between channel mode or frequency mode(VFO).

Frequency Input by Keypad

In VFO mode or FM radio receiver, You may directly enter frequency through numeric keys.

1. Press **[C]** to switch to VFO.
2. Enter the desired frequency in 6-digit by numeric keys.

Example: To enter 435.0125, press [4][3][5][0][1][2] then 5 appears and sets automatically. To enter 435.100, press [4][3][5][1][0][0]. By pressing the last [0], a dot appears after the MHz unit and the frequency is set. When an invalid numbers are entered, the display will return to the current state and an error beep sounds.

TX Power selection

In standby state, press **[A]** key, the top left corner of LCD displays "P" icon, then press **[9]** key to choose High/Low power for current arrow directed channel.

- L: Power is 1W.
- M: Power is 2.5W.
- H: Power is 5W.

Frequency Range <input type="text"/>	TX	136~174MHz 400~480MHz
	RX	136~174MHz 400~480MHz FM radio
Modulation	F3E(16K0F3E/11K0F3E / RX only WFM)	
Programmable channels	200 channels	
Receiver		
Sensitivity(12dB SINAD)	wide -12dBu, Narrow -9dBu	
Selectivity	- 6dB: 12kHz or more / - 60dB: 30kHz or less	
Audio output power	1W (10% distortion)	
Transmitter		
Output power (Approx.)	high	5W
	middle	2.5W
	low	1W
Spurious emissions	- 60dB or less	
Max.deviation(Wide/Narrow)	±5kHz / ±2.5kHz	

Powerlevel:

Mode	Channel Spacing	Rate Power	Tune-up power tolerance (dBm)
VHF	25KHz	5W	Max output power =36.5+-0.5
		2.5W	Max output power =33.5+-0.5
		0.2W	Max output power =23.5+-0.5
	12.5KHz	5W	Max output power =36.5+-0.5
		2.5W	Max output power =33.5+-0.5
		0.2W	Max output power =24.7+-0.5
UHF	25KHz	5W	Max output power = 36.5+-0.5
		2.5 W	Max output power =33.5+-0.5
		0.2W	Max output power =25+-0.5
	12.5KHz	5W	Max output power =36.5+-0.5
		2.5W	Max output power =33.5+-0.5
		0.2W	Max output power =25+-0.5