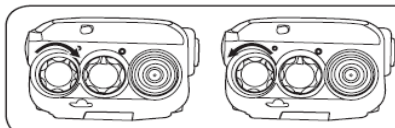


Power On and off



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.

435.000
145.000

Switch between Channel mode and VFO mode

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

435.000
145.000 0

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.

435.012
145.100 5

TX Power selection

In standby state, press **[A]** key, the top left corner of LCD displays "**L**" 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.

435.125
145.100 L

435.125
145.100 M

435.125
145.100 H

| | | |
|-----------------------------|---|--------------------------------|
| Frequency Range <div></div> | 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, Narrwo -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 |