USER'S MANUAL

1. FRS PRODUCT DESCRIPTION

The Family Radio Service (FRS) is the newest generation in personal two - way communications. FRS radios operate in a license - free band, on one of 14 license -free channels.

The AT2000 is a lightweight, palmsized two - way radio that you can carry almost anywhere - use it at shopping malls, sporting events, amusement parks, or any other activity where communications are needed for convenience or safety.

The radio provides about a 2miles range of communications - allowing you to keep in touch with family, friends or a neighborhood watch group.

The AT2000 is 14 channels model. You can talk to another person using any FRS radio, provided that you can on the same frequency with button.

2. CONTROLS AND FUNCTIONS

PTT BUTTON – Used for transmitting.

MONITOR BUTTON – Lets you listen in on a channel for weak signals.

POWER BUTTON - Used to turn the radio on/off.

UP/DOWN BUTTON – Used to adjust the listening volume level or change the channel.

CALL BUTTON – Used to send a call signal for paging someone or in emergency condition

MENU BUTTON – For multiple purpose of channel up/down to select other or other tone.

SCAN BUTTON– Used to scan the receiving channels and CTCSS Tone.

RED L.E.D – Lights up in transmission

GREEN L.E.D – Lights up in receiving

LCD – Displays channel number, tone number and volume.

Antenna – Is final terminal for transmission or receiving.

BELT CLIP - Used to secure the radio to a belt, pocket, or any other convenient location.

BATTERY COMPARTMENT - Houses 4, AAA size battery which provide power to the unit

BATTERY COVER – Secures the battery cover in place.

MIC /CHG/SP Jack – Connect to a wall charger or speaker mic.

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3.   OPERATING INSTRUCTION

Power On

The radio begins operation with beep tone by pressing and holding button for 1000msec and LED back light is illuminated for 5 seconds simultaneously and the LCD displays all ICONs to check the screen for 100 msec.

Power OFF

Press and hold the power button for 2000msec. Then the unit is off with long audible Beep (800Hz) .

PTT (Press to Talk)

PTT Button company following functions.

- Get user to talk by the button.

- Return to basic mode from Programmable CH/Tone change mode.

PTT Transmission

Press the PTT key for transmission, speak slowly and clearly in a normal voice about 2 ~ 3 inches away from microphone the radio transmits the signal and TX LED (RED) is on at the moment. If release the PTT key, it stops transmitting and returns to stand-by condition in order to receive signal.

Call

Press and release call button to transmit audible call tone. The unit rings for 1200ms. The unit automatically returns to receive stand-by mode when call transmission is over.

Receive

The unit begins message reception with speaker open when correct signal is received, the unit displays the channel number and RX LED (YELLOW) is on.

Channel Select

Channel digits are firstly blinking when menu button is pressed once. Then Press up or down key to a desired channel, while in channel selection mode back light is on and channel digits keep blinking.

(1) Menu, (2) PTT, (3) CALL, (4) time out (after 4sec). LCD back light is on in channel select mode, then it return to stand-by condition.

The selected channel is retained and recalled when the unit is turned off and on even battery is replaced. Pressing Up/Down key for 200msec, it checks existence of carrier as repeat mode.

Channel List

Channel	Frequency	Channel	Frequency
1	462.5625MHz	8	467.5625MHz
2	462.5875MHz	9	467.5775MHz
3	462.6125MHz	10	4676125MHz
4	462.6375MHz	11	467.6375MHz
5	462.6625MHz	12	467.6625MHz
6	462.6875MHz	13	467.6875MHz
7	462.7125MHz	14	467.7125MHz

Tone Select

Press the Menu button two times. The tone digits are blinking and then press up and down key to a wanted tone. The release of tone selecting mode is to press one of following.

(1) Menu, (2) PTT, (3) Call, (4) time out (after 4sec). LCD back light is on in channel select mode, then it returns to stand-by condition. When the radio is power off and on again, the selected tone is recalled. If press and held Up/Down key for 200msec, tone changes upward or downward repeatedly.