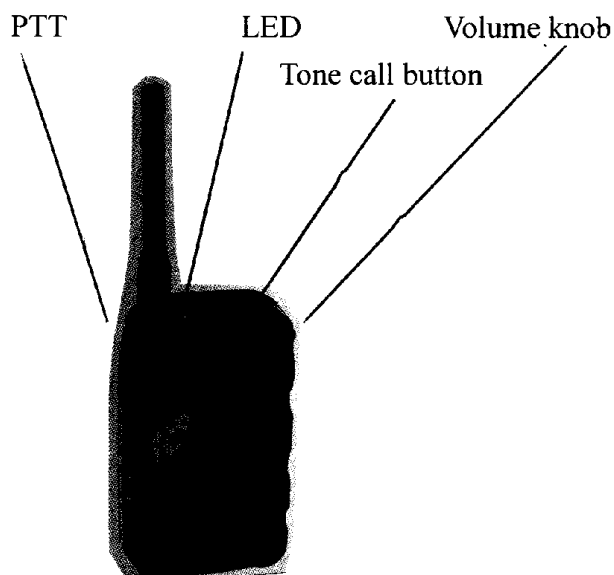# ETALK-2000 OWNER'S MANUAL

PRECAUTIONS:

(1) Do not change/modify the structure or replace components which may result in illegal usage of such device afterwards

(2) Avoid using this device onboard airplane, at highly explosive atmosphere or any place where prohibition notice is posted

(3) Take out the batteries if the radio is not in use for extended time to avoid battery leakage

(4) Avoid storing in extreme temperature or humid place

(5) Do not place this radio in the area near air bag or its deployment area. Instant inflation of air bag can propel the radio with deadly force causing harm to you.

ETALK-2000

PTT   LED   Volume knob
                          Tone call button

Volume Control/ Power knob: Initial turn clockwise to switch the power on, followed by a click sound. Further turn can increase volume.
Turn counterclockwise to decrease volume . Turn counterclockwise to the far end to witch the power off.

PTT(Push- to- talk): Press to transmit and release to receive message.

Tone Call button: Press to transmit a tone call.(see tone call selection to select tone call)

LED: This glows red during transmission.
　　　This glows green when reception or regular blinks to show CTCSS setting.
　　　(one blink for CTCSS "OFF" , double blink for CTCSS " ON")

CHARGING JACK: This jack on the right side is used in charging directly from the 6 VDC adapter of 100 mA.

OPERATION MANUAL

CHANNEL SETTING:

Press and hold the PTT.Then simultaneously turn the power on to get into channel setting mode.You can instantly hear the sound combination from which you can learn the current channel number .Release the PTT and immediately press on the CALL button to adjust channel in an ascending order.(If the confirming melody rings before setting starts, do the procedure from the start.)To decide the channel, press the PTT once or allow a few seconds to elapse. A confirming melody will immediately be heard when this setting mode jumps out.There are 2 different sounds:- one long sound representing 5 channels - one short sound representing 1 channel .From the number of sounds and its different combination, you can know what channel number you have attained.

When you hear 2 long sounds plus 4 short sounds , the current channel number is 14.

TONE CALL SELECTION

Hold and press the CALL button. Then simultaneously turn the power on to get into this mode.Release the PTT and immediately press the CALL button to select 1 out of 5 different tones. (If the confirming melody rings before setting starts, do the procedure from the start.)To decide the tone, press the PTT once or allow a few seconds to jump out of that mode automatically, which is immediately followed by a confirming melody .

CTCSS ON / OFF MODE SETTING

Hold and press both PTT and CALL buttons. Then simultaneously turn the power on to get into this mode. Release both PTT and CALL immediately .Then press the CALL button to get CTCSS "ON" and "OFF" setting. (If the confirming melody rings before setting starts, do the procedure from the start .)One sound with LED single blink can be noticed when the CTCSS jumps into "OFF" mode. 2 sounds with LED double blinks is heard when the CTCSS jumps into "ON" mode.
When desired "ON" or "OFF" mode is attained , press the PTT once or allow a few seconds to jump out of this mode automatically. A confirming melody will be heard when the setting mode jumps out.

Battery Low Warning: You can hear two beeps warning sound in every 10 sec interval when the battery power is very low.

TECHNICAL SPECIFICATIONS

GENERAL

Frequency range	462~467 Mhz
Channels	14 Channels
CTCSS	1 (67.0 Hz)
Modulation type	FM
Antenna impedance	50 Ohm
Loud speaker	8 Ohm 0.3w
Microphone	condenser type
Power supply	4 AAA Ni-cd or Alkaline (4.8~ 6 V DC)

RECEIVER

Sensitivity at 12 dB Sinad	0.25uV
Selectivity	45 dB
Audio output power	0.3w@8 Ohm(10% distortion)
Distortion at 775mV Audio popwer	3%
Audio frequency response	400~3000 Hz

TRANSMITTER

RF Output Power	nominal 500 mW@6 VDC
Frequency Tolerance	0.00025%
Harmonic Suppression	more than 50 dB
Modulation	FM +/- 2.5 Khz

CHANNEL NUMBERS VS FREQUENCIES

Channel no	Frequency MHz	Channel no	Frequency MHz
1	462.5625	8	467.5625
2	462.5875	9	467.5875
3	462.6125	10	467.6125
4	462.6375	11	467.6375
5	462.6625	12	467.6625
6	462.6875	13	467.6875
7	462.7125	14	467.7125