Next generation intelligent FRS/GMRS   User Manual

Lite-dico is intelligent walkie-talkie, with useful functions like baby monitoring,
Remote operating…

Thank you for your selection of SayU's intelligent FRS/GMRS, lite-DiCo!
Especially for family communicaion, outdoor life, small group working…
Providing intelligent functions like baby monitoring…

Contents

FCC LICENSING INFORMATION

This radio operates on Family Radio Service (FRS) as well as General Mobile Radio Service (GMRS) channels and is subject to the Rules and Regulations of the Federal Communications Commission (FCC). The FCC requires that all operators using the GMRS frequencies obtain a radio license before operating their equipment.

1. Major Features

- 2-way radio FRS/GMRS
- Baby monitor function
- Controlling the other party's lite-Dico, changing mode between talk and listen
- Voice recording locally or remotely
- Easy and various portability due to small size and light weight
- Arm strap for easy carry and use

2. Parts of Your lite-DiCo

- Lite-DiCo main body
- AC/DC adapter
- Arm strap
- Neck strap / Hand strap / Belt clip
- Battery
- User manual
- Warranty certificate

3. lite-DiCo's Use

- Child care (of 5~10 age) :　near home, shopping mall, theme park, grand park, family outdoor activity,　　DiCo is useful to prevent missing children when outdoors.
- Outdoor group activity : sports(mount climbing, camping, skiing, hunting, fishing, bike-hiking, lifting…
- Baby monitoring : home use

4. lite-DiCo's Looking

.
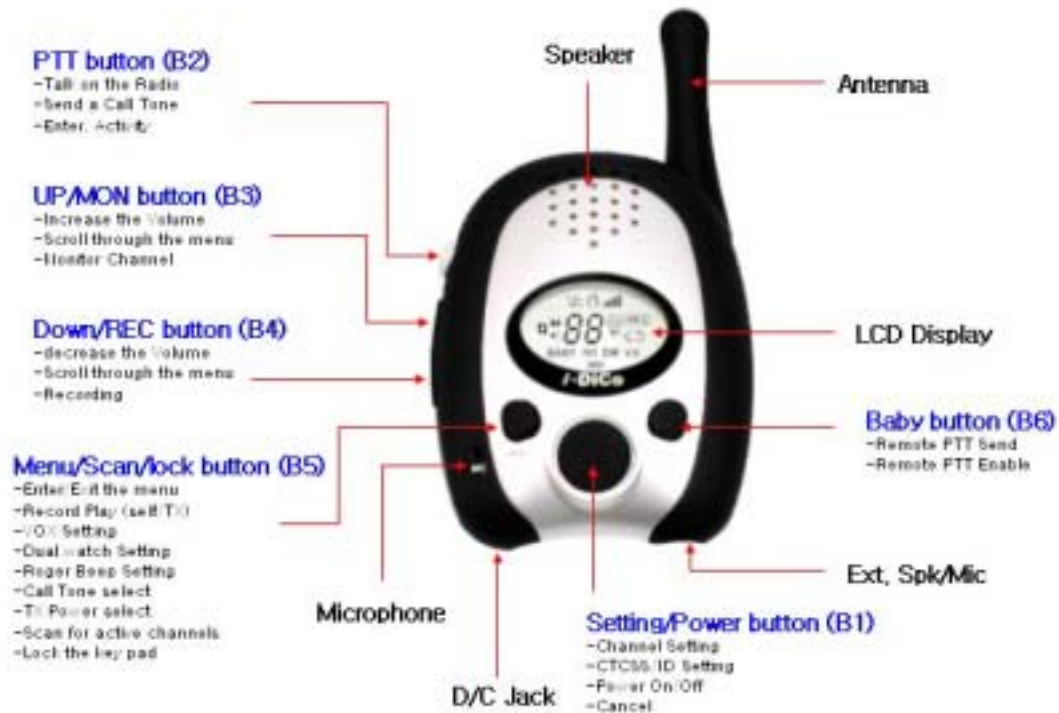
5. LCD Display

5.1 Icons on display screen

5.2   Back-lit LCD / illuminating the LCD

LCD backlight turns on for 3 seconds when you press any button.

6.   Power

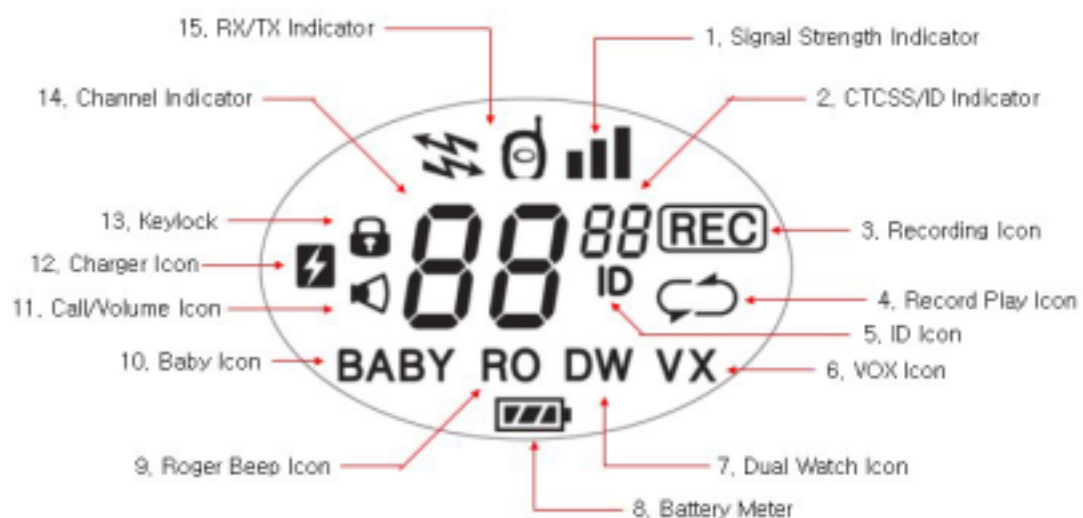* Caution – Battery is included and rechargeable with provided AC power adapter. Please don't decompose or give shock to the battery.

6.1   Charging

At the time when you buy lite-DiCo, the battery is empty.   Please begin to use after it is fully charged.
. Connect AC power adapter into the power jack hole.
. If AC power adapter is successfully connected, you can see the Red lighting
. It takes 3-4 hours to fully charge on empty battery.   When fully charged, lite-DiCo turns on its green light
Low battery alert
When battery power gets down to low level, battery icon of LCD display starts to blink.   We recommend you to recharge power immediately.

6.2   Battery life

In normal use, you can use lite-DiCo around for 20 hours. (when receiving : transmitting : waiting time is proportionally 5%:5%:90% standard).   It is strongly required that you use Li-ion battery given by SayU Co., Ltd.   SayU doesn't assume any responsibility on accident owing to use of other vendor's battery than SayU Co., Ltd.

6.3   When to exchange and how/ where to buy battery

■   SayU recommends replacing battery every 1 year.
■   You can contact the local service office for any help on DiCo, or refer to SayU's homepage http://www.sayu.biz.

7.   How to use DiCo

7.1   Turning on / off

7.1.1   Turning on

.Press Power-button(B1) over 1 second long.
.Then, it tests itself with sounding beep and showing its LCD screen blinking

.After self-test completed, you can see the initial LCD display screen and lite-DiCo falls into call-waiting mode.

7.1.2 Turning off

Press Power-button(B1) over 1 second long, then power turns off.

7.2 Volume up/down

- Press the B3 button to increase the volume, and press the B4 button to decrease the volume during normal operation.

7.3 Monitor

- Press and holding the B3 button for 1 seconds will let you hear noise so you can adjust the volume level of the radio when not receiving a signal. The B4 should be used to check activity on current channel before Transmitting.

7.4 Call tone / Call

- Press the B2 button twice rapidly. The TX icon and call icon will appear during transmitting a call tone and tone can be heard on the speaker for confirmation.

7.5 Scan

- XA-1500 can scan all of the 22 channel to observe for any activity. To enter the scan mode. Press the B5 button for one second. Press B5 button again to exit the scan mode. Your radio will rapidly scan each of the 22 channels and stop on any active channel. When you press the B2 button to transmit on an active channel, the scanning Function will stop. To resume scanning Press and hold the B5 button for one second.

7.6 Keylock

- To avoid accidentally changing the radio operation, press the B5 button for 3 seconds. The keylock icon will appear on the display. When the keylock icon is on the menu function the B3 and B4 button will be disabled. When locked, you will be able to turn the radio off and on, monitor, transmit/receive, and send a call tone. To unlock, press the B5 button for 3 seconds.

7.7 Channel selection

- i) With the radio on, press B1 until the current channel segment flashs.
- ii) Use the B3 or B4 buttons to change the channel.
- iii) Press the B2 button to save the new channel.

7.8 CTCSS/ID selection

- XA-1500 has 47(38 CTCSS + 9 ID) codes available. The selected CTCSS code may be different for each channel.

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i)   With the desired channel selected, repeatedly press B1 until the current CTCSS Code number flashes.

ii)   Use the B3 or B4 button to change the CTCSS/ID code number

iii)   Press the B2 button to save the new CTCSS/ID code or press the B1 repeatedly until you exit the menu.

8. Accessories

8.1 Arm strap

Arm strap is usually used to attach DiCo around your upper arm.   Then, you will enjoy free hands!
. to put on, wear arm strap around your arm and adjust the pressure of elastic band, then fit backside of DiCo into the holes of arm strap plate and rotate DiCo to the "Lock" direction.
. to remove, follow the reversely the procedure to put on.

8.2 Neck strap

Neck strap is usually used to carry DiCo around neck.

8.3 Belt clip

Belt clip is usually used to carry DiCo on your belt

8.4 Hand strap

8.5 Earset

You can wear earset to clearly hear DiCo in noisy environment.

9. Use and Care

10. Warranty Information / Limited Information

FCC Caution
1. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. FCC RF Radiation Exposure Statement This device was tested for compliance with FCC RF Exposure (SAR) limits in typical face held operations.   For body worn

operation, this phone has been tested and meets FCC RF exposure guidelines when used with the manufacturer SayU- approved accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

3. This device must not be co-located or operating in conjunction with any other antenna or transmitter.
4. Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could result in violation of FCC regulations.

11. Technical Specification

- 5 call tones selectable
- Keypad locking
- Talk confirmation tone
- Emergency audio recording
- Baby monitoring

12. Specification

Item	Specification	
Frequency range	462.5500~467.7125MHz	
Channels	22 channels	
RF output power	1W (GMRS), 0.5W(FRS)	
Power supply	Li-ion rechargeable battery (600 mA/h)	
Operation temperature	-20 – 60	
Dimension	54 * 75 * 22 (W*H*T)	
Weight	65g (without battery)	
Display	B/W LCD screen	
Accessories	Arm strap	
	Neck strap	
	Power adapter	
	User's manual	

13. Frequency Table

Channel	Cross Reference	Frequency (MHz)
1	GMRS & FRS 1	462.5625
2	GMRS & FRS 2	462.5875
3	GMRS & FRS 3	462.6125
4	GMRS & FRS 4	462.6375
5	GMRS & FRS 5	462.6625
6	GMRS & FRS 6	462.6875
7	GMRS & FRS 7	462.7125
8	FRS 8	467.5625
9	FRS 9	467.5875
10	FRS 10	467.6125
11	FRS 11	467.6375
12	FRS 12	467.6625
13	FRS 13	467.6875
14	FRS 14	467.7125
15	GMRS 11	462.5500
16	GMRS 8	462.5750
17	GMRS 12	462.6000
18	GMRS 9	462.6250
19	GMRS 13	462.6500
20	GMRS 10	462.6750
21	GMRS 14	462.7000
22	GMRS 15	462.7250