

SayU Digital Wireless Communicator

User Manual

Full-duplex digital walkie-talkie
for family communication, outdoor activity, child/baby care...



Thank you for your selection of SayU's digital wireless communicator, DiCo!

SayU's personal digital communicator(DiCo) is the first full-duplex walkie-talkie with its digital technology and modern design. You are not required to press the old-fashioned PTT button to communicate. You only need to press call button just once, and you can talk and listen to your partner easily. Additionally, you can experience the advanced digital functions of DiCo.

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1. Major Features

- Digital full duplex communication
No PTT(press-to-talk) button! What you need to do is to just once press the “talk” button only at the starting time. After that, you can talk and listen at the same time with hands free.
- 3-party talk (6-way talk)
3 DiCo's can talk to each other at the same time without interference.
- Digitally enhanced security
DiCo digitally communicates. Other than pre-determined DiCo, cannot hear DiCo's communication.
- Remote care
You can get on DiCo's display how far your partner is. You can check your children and friends.
- Baby monitoring
DiCo works as baby monitor. You can control the operation of your baby's DiCo.

2. Parts of Your DiCo

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

3. 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

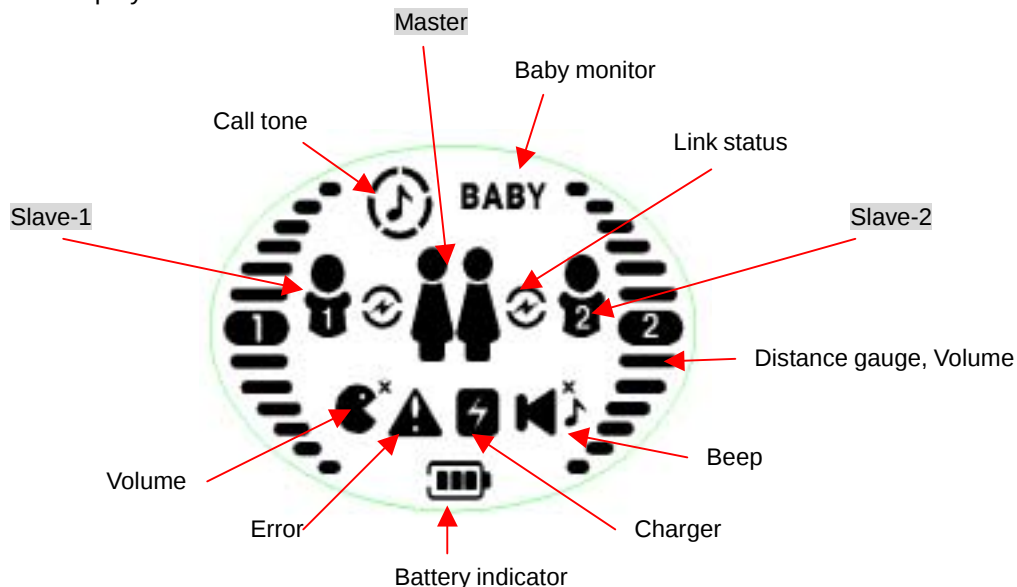
4. DiCo's Looking



** Setup-button is both long keys of "Call-button & Down-button"(both LONG-KEY) : Refer to "7.2". Clearsetting-button is long keys of "Down-button & Power-button"(both LONG-KEY) : Refer to "7.2".

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 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 battery icon of display screen blinking
- . It takes 2 hours to fully charge on empty battery. When fully charged, DiCo turns on its green light of battery icon.



6.2 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.



6.3 Battery life

In normal use, you can use DiCo around for 10 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.

6.4 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(*LONG-KEY) 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 DiCo falls into call-waiting mode.



7.1.2 Turning off

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



7.2 Group setting for communication

7.2.1 What is group setting?

Before use, you should define your DiCo group to communicate each other(s).

.You can set the number of the group member up to 3.

.You can release the group and re-define the group setting at any time.

.Even though you power off DiCo, the group setting you defined is maintained when you reboot it.

7.2.2 Factory setting

At purchase, your DiCo set is given to you with group setting pre-defined. So, you don't need to set your group unless you will redefine the group.

7.2.3 How to set your group

To define your DiCo group and set them;

(1) Define master(only 1) and slave(1 or 2)

(2) Reset slave(s)' group setting

.first, press slave's Down-button

.second, press slave's Power-button keeping Down-button pressed

.Then, you can confirm your slave resetted, on display screen like right side's.



(3) Assign group setting by master

.Place master and slave within 2 meter's distance to each other

.Press Setup-button(*LONG-KEY: "Call-button and Down-button") of master at the same time over 1 second long. *** you should press only master's keys.

.After initial setting completed, you hear beep sound and see LCD display like,

after 2-party set-up



after 3-party set-up



7.3 Calling and talking

7.3.1 Calling

- .Call-button is used to give attention to your DiCo partner(s)
- .Press Call-button shortly in call-waiting mode, and you can hear the called party's DiCo ringing.

7.3.2 Automatic re-calling

If the party you called doesn't reply to you, your DiCo will automatically repeat call.

7.3.3 Being called

- .When being called, you can hear your DiCo ringing
- .Only press Talk-button, and you hear and talk to the calling party
- .While being connected, you don't need to press any button to talk. It's full duplex

7.3.4 Talking

Talk-button starts your voice talk with your partner(s).
You can directly talk without pressing Call-button. Call-button is just for giving attention.

- .Press Talk-button shortly in call-waiting mode, and you can talk with him/her.
- .While talking, you don't need to press any button to talk. It's full duplex.
- .While talking in normal environment, keep DiCo within 30 cm's length from you.
- .When you are talking, display screen is changed to calling status.

display of 2-party talk(4-way talk)



display of 3-party talk(6-way talk)



7.4 Baby monitor

- . With DiCo, you can check the status of your baby.
- . On the selection of baby monitor mode, your DiCo is under hear-only mode and your baby's DiCo is under talk-only mode.
- . Press Baby-button(*LONG-KEY) over 1 second to get in baby monitor mode
- . Press Baby-button (*LONG-KEY) over 1 second to escape from baby monitor mode



7.5 Checking how far your partner is

7.5.1 Display of distance level

You can see on the display screen how far your partner(s), especially your children, is far from yourself. Distance level has 6 stages.



7.5.2 Distance alert

DiCo makes alert sound in 3rd distance level and 6th distance level, so that you can notice that something unusual may happens and give care to your partners, especially your children.

7.6 Volume control

7.6.1 Voice volume

- . You can control volume level only under calling mode.
- . Volume level has 5 stages, controlled by pressing Up-button, or Down-button.
- . When you turns off DiCo, it saves the last volume level.



7.6.2 Beep volume

You can control beep volume, by pressing Up-button or Down-button under call-waiting mode or waiting mode. 1 second after selecting the volume level, your selection is saved.



7.7 Selection of call tone

- . You can select your choice among 3 calltones included in DiCo, under any mode but calling mode.
- . At first, you can check present call tone when pressing Calltone-button(*LONG-KEY) over 1 second long.
- . Press Up-button or Down-button, and you can select new call tone.
- . Then, Press Calltone-button(*LONG-KEY) or leave DiCo untouched over 1 second, and DiCo memorizes your selection.



7.8 Communication range

- . In normal environment, DiCo supports 1 mile's communication range.
- . It is recommended that you do not use DiCo within 5 feet or closer to keep from echo or interference.

Typical environment	Communication range
Outdoors (rural area)	0.5~1mile
Outdoors (urban area)	0.3~0.5 mile
In building	Depending on environment

* the range index in upper table are not guaranteed. They are only the numbers tested by SayU Co., Ltd, itself

7.9 Link error

7.9.1 What is link error

Link error is a situation that cannot find your partner's DiCo because of the reasons as

- : your partner is out of communication range
- : your partner's DiCo is out of power or under some trouble



7.9.2 How to do on link error

Situation to meet link error	Resolution
On setting	Retry/ Turning off and on/ Re-putting in battery
On call-waiting	
On calling	

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. 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.

10. Specification

Item	Specification	
Frequency range	902~928MHz * FCC license is not required.	
Channels	26 Ch.	
RF output power	150 mW	
Power supply	DC 3.6V (Li-ion Rechargeable Battery)	
Operation temperature	-20 ~ 60	
Dimension	35(H) X 55(W) X 25(D) mm	
Display	B/W LCD screen	