Instruction Manual

Digital Wireless Intercom SAMCOM FTAN20AA

Features of Model FTAN20AA

Simple to use" Instant" Intercom system.
Individually call and Group call function.
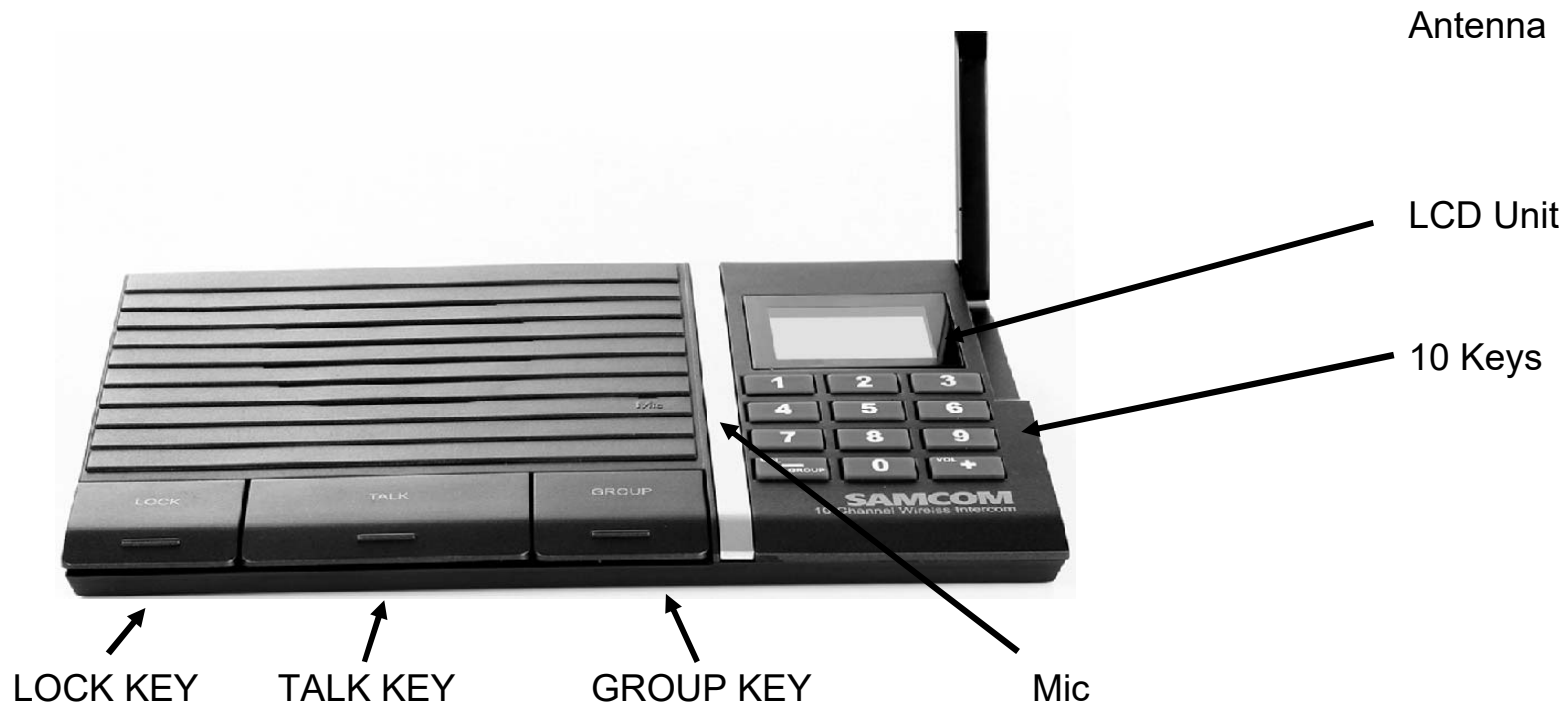Connect ability to other hand held two way radio.

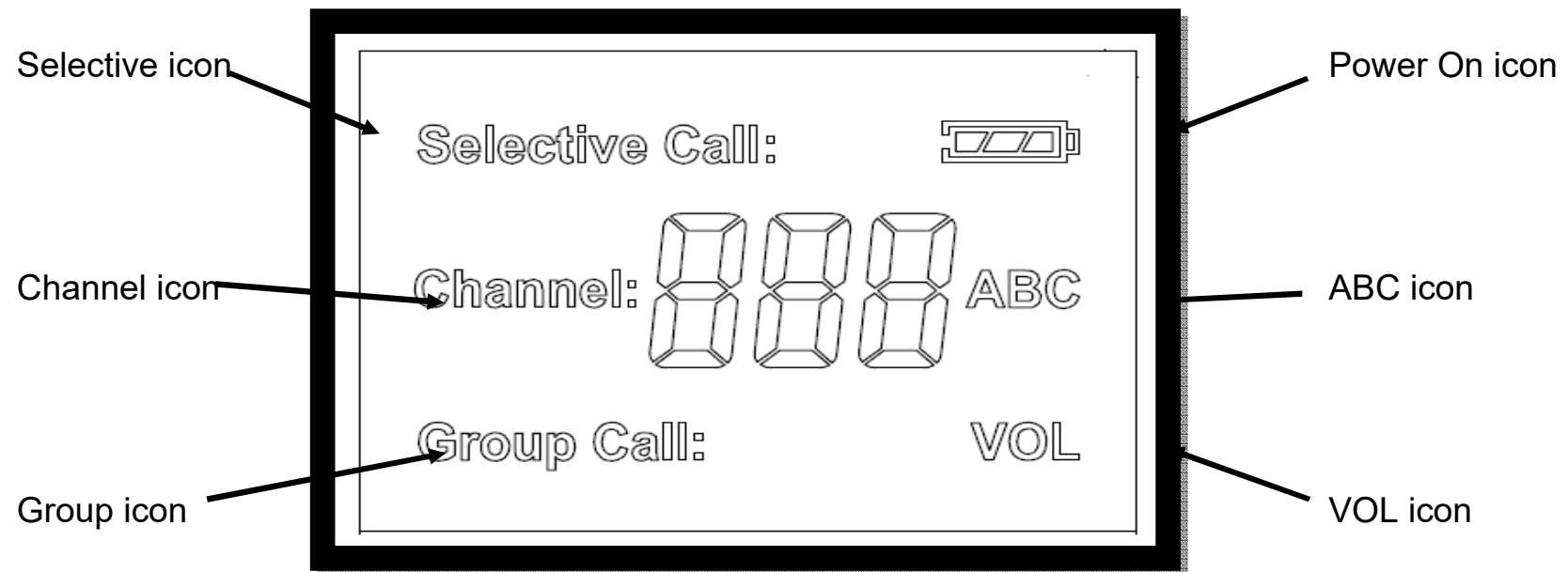Sancon Inc.

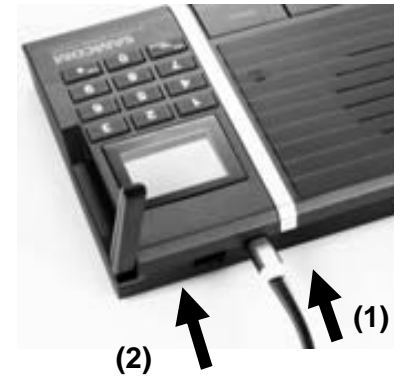# 1. Get Acquaint
Description of Buttons and Keys

ABC Switch $\longleftarrow$ $\longrightarrow$ DC Input (Mini USB)

Antenna

LCD Unit

10 Keys

LOCK KEY   TALK KEY   GROUP KEY   Mic

Display symbols and icons

Selective icon → Selective Call: ▭▭▭ ← Power On icon

Channel icon → Channel: 888 ABC ← ABC icon

Group icon → Group Call: VOL

VOL icon

FTAN20AA SETUP INSTRUCTIONS

Step 1 TURN ON THE UNIT

      1) Fully insert the power cord

      2) Check if the switch is on "A" position

Step 2   SETTING GROUP NUMBER & CHANNEL NUMBER FOR EACH UNIT

You should set Group Number and Channel Number when you get these intercoms.
Normally no need to change the Group Number , Unless you found your neighbor has used
This number (you can hear neighbor's speaking or they can hear from you when using)
Below is the process way for setting Group Number and Channel Number

The default group number for all units is" 0" (factory setting),you can decide wether to change
It or not

1) To keep pressing the key "-" for 5 seconds, you will hear "DU DU" sound ,meanwhile the
LCD display is " Group Call 0 " and "0" will keep flash.

2) Then you can press different number as your new Group Number from 0 to 19, be sure to keep
All the units updated to the same new Group number . if you do not change factory setting 0,
Then you can set change number after you press any of the " LOCK/ TALK/ GROUP "button.
When you have finished Group setting, the intercom automatically entered into the channel s   4
 3) The default channel number is No.1 for all units (factory setting) you can set different Number

For each unit if you buy over 2 units, if only two units, no need to set.
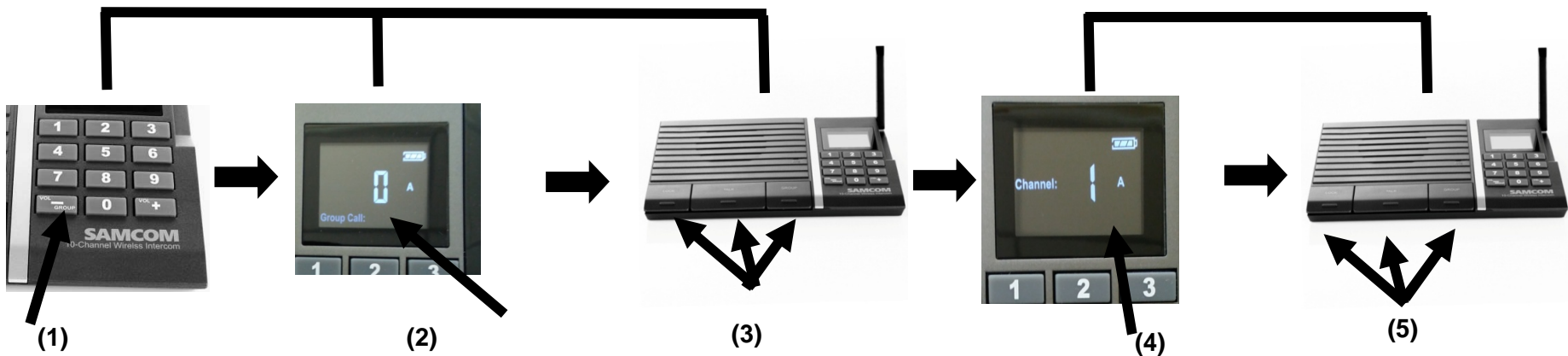After group setting finished, the display will change to " Channel 1" and "1" will keep flash.

4) You can choose new number from 0-19 as separate unit's channel number, of cause
GROUP Number can't be choice again. Then the new number will keep flash.

5) Press any of the LOCK, TALK or GROUP button once again then the display will show new
channel number and digit number is not flash. Congratulation, you have successes set the unit's
Group Number and Channel Number.

Keep the same way for the balance unit's channel setting or Change Group Number or Channel
Number

GROUP NUMBER SETTING   **CHANNEL NUMBER SETTING**

(1)	(2)	(3)	(4)	(5)
Keep press "-" for 5 seconds	"0" is flashing and choose any number from 0 to 19	press " LOCK, TALK, or GROUP any one of button	"1" is flashing and choose any number from 0 to 19 . Group Number can not b same as the Channel Number.	press " LOCK, TALK, or GROUP any one button once again.

Step 3 PUT THE UNIT IN DIFFERENT ROOM/PLACE

You can place the Channel 1 unit in Reception
Channel 2 unit place in General Manger Room
Channel 3 unit place in Financial Room
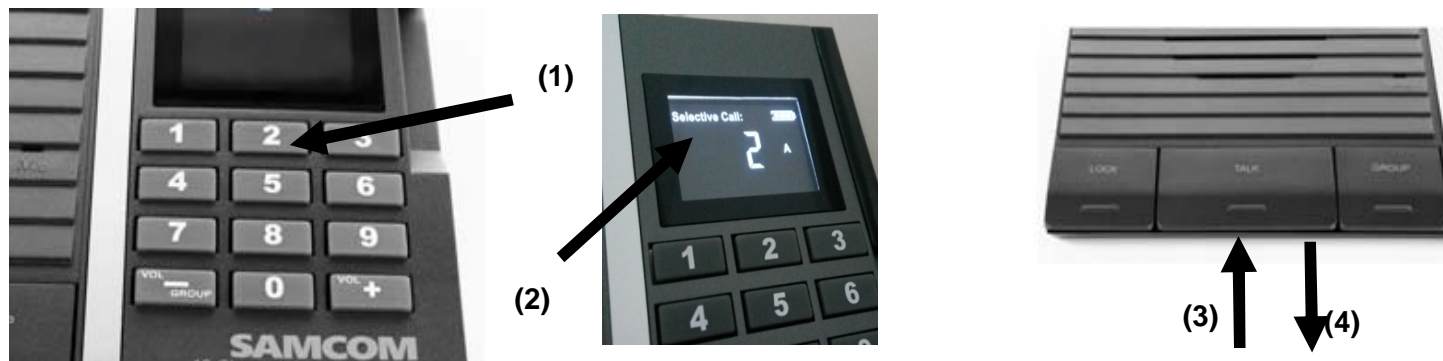Channel 4 place in Store … etc.

Cautions :

1) The setting method of Samcom 20 channel wireless intercom is differ from Samcom 10 channel wireless intercom. but number 0 to 9 is same frequency. so they can be used in communication if channel number is not over number 9

2) All of the Group Number must set to same number, otherwise Group function is not effective.

3) There are three Switch Position " A ,B,C ",the default position is on "A"; if you found inference from neighbor you can change switch to B or C, when changing,pls keep all units position be the same.

4) Do not put the intercoms and other electronic appliances too close,better to keep 1 meter distance to avoid any interference even when it is operating property.

FTAN20A OPERATION PROCEDURE

ONE TO ONE TALKING

1) If you are in Channel 1 (Reception) want to talk with Channel 2 (GM Room) press key
 "2" meanwhile the LCD display " **Selective call 2**"

2) Within 5 seconds, keep pressing down " TALK" button, the LCD display will get to red, you can speak to Selective Channel (Channel 2),

3) After your speech, please leave " TALK" button then LCD display will get to white, He/She from Selective Channel (channel 2) can answer you by pressing "TALK" button once you left the" TALK" button

4) If there is no responses from Selective Channel or you have not speak with Selective Channel after 18 seconds, this talking will be closed automatically, your unit will auto change back to your original setting Channel and the LCD display will change back from " Selective call " to" Channel "

(1) Press key and leave hand
(2) Selective Number will be displayed
(3) Keep pressing" TALK"button,when display get to red means you can speak
(4) Release the "TALK"button after speech,when display get to white means you can listen
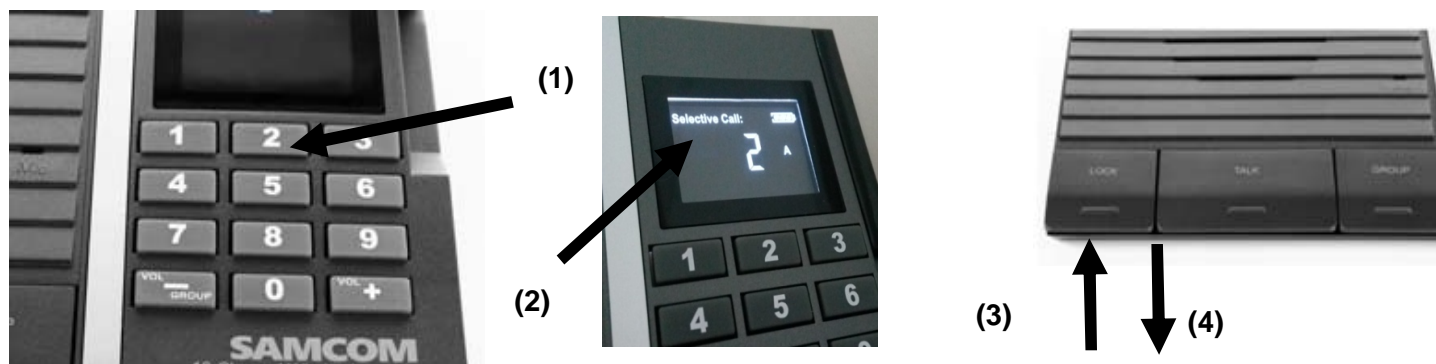
LOCK BUTTON OPERATION

If you have long words to say at one time ,but don't want to keep pressing the "TALK" button .just press down "LOCK" button , it will let you hand free and have a long speaking

1) If you are in Channel 1 (Reception) want to speak long with Channel 2 (GM Room)
first press key "2" and then the LCD show " **Selective call 2**"

2) Within 5 seconds, Press down the " LOCK" button and release your hand then LCD display will get to red, you can speak to Selective Channel 2

3) After the speech, don't forget to press" LOCK "button again and then the LCD display will get to white to wait for Selective Channel speaking, Of couse the selective channel can use TALK or LOCK answer you

4) If there is no responses from Selective Channel or you have not speaking after 18 seconds this talking will be closed automatically. The unit (channel 1) will auto change back to your original setting and the LCD display will change back from " Selective call " to" Channel "
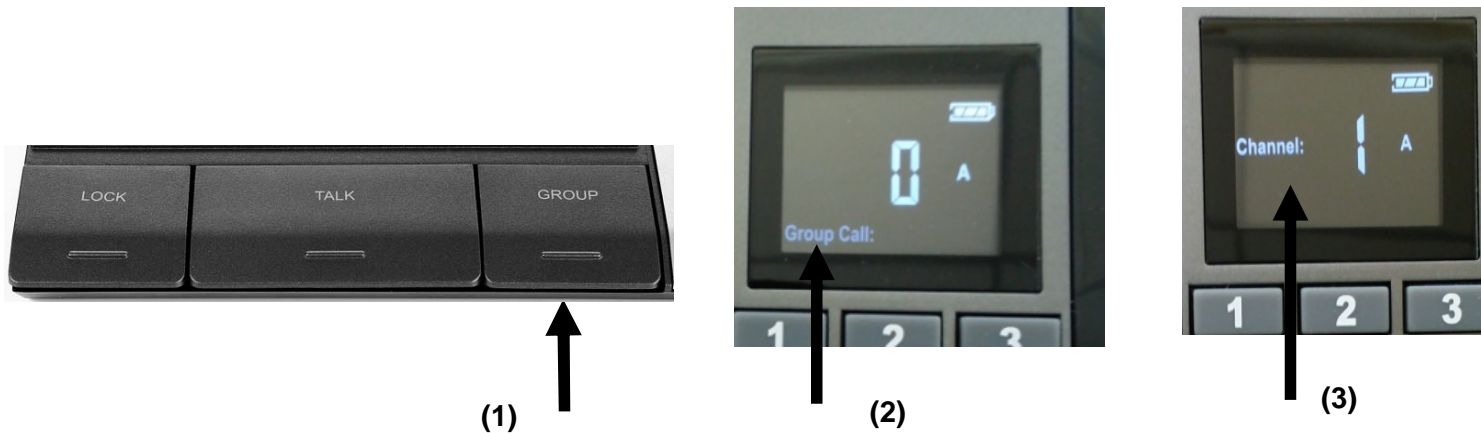

(1) Press key and leave hand

(2) Selective Number will be displayed

(3) Press LOCK then leave hand the display get to red you can speak

(4) Press LOCK once again the display get to white you can listen

GROUP OPERATION

If you want to speak to all the intercoms simultaneously. The "GROUP" button can help you, Just keep pressing down " GROUP" button and LCD display will get red , then you can speak, After your speaking is over, leave you hand from GROUP button, Then the unit will auto change back to your original setting channel. LCD display will get to white text.

(1)

(2)

(3)
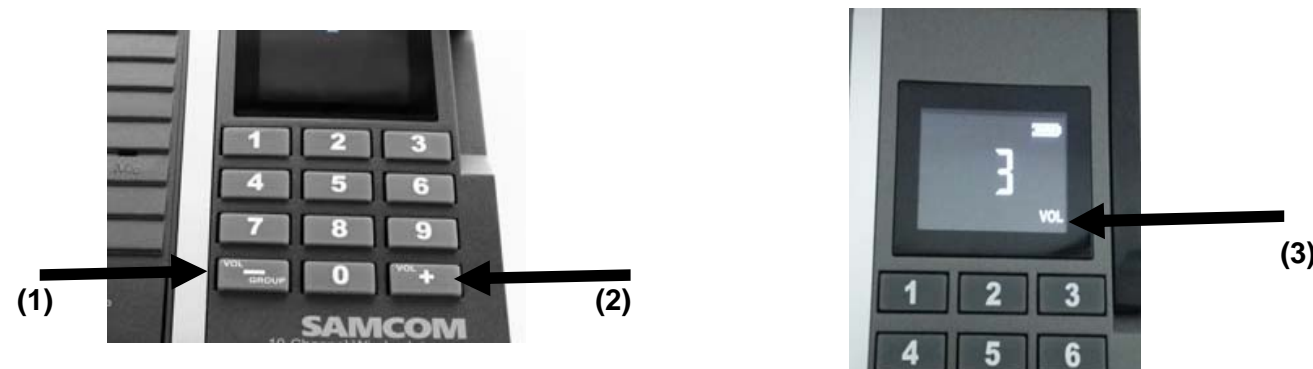
(1) Keep press GROUP button

(2) GROUP Number will be displayed and red, then all of group station can hear you

(3) Release GROUP button the channel will be changed back to your original channel and display get to white text.

Volume control

You can adjust the volume by pressing "+" key or "-" key.
While volume adjustin VOL   icon will be appeared to indicate volume is under adjusting.
"+""-"key to increase/reduce volume from 1 to 8

(1)   (2)

(3)

(1) Reduce volume from 1 to 8
(2) Increase volume from 1 to 8
(3) The display will show your current level when you press "+" or"-"
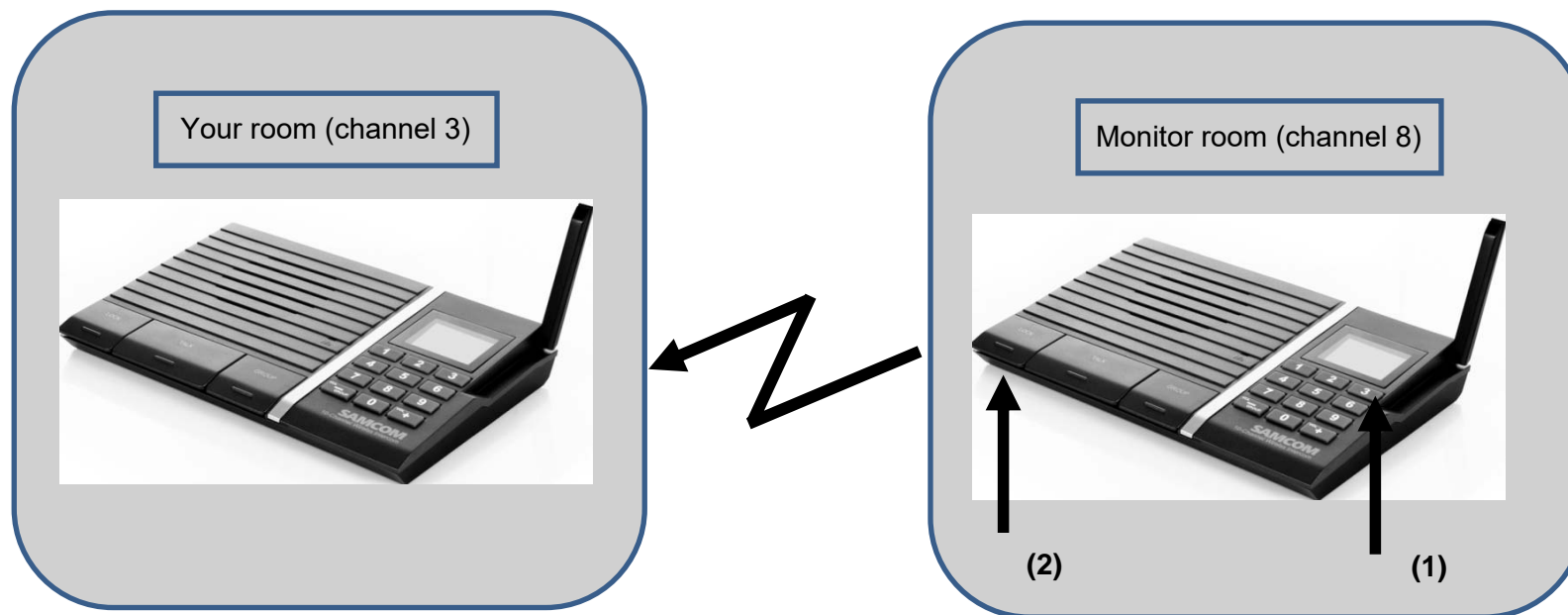
ABC Switch Function

When you found some interference from other place such as hear other person's sound,
noise, static noise etc you can change different station from A to B or C
IMPORTANT : All the stations should be set to the same position

Monitor operation

INTERCOM also has unique application for Monitor operation.
You can listen other rooms voice continuously around 10 hours to use LOCK key.
INTERCOM in the monitor room, select your own channel and press LOCK key.

Your room (channel 3)

Monitor room (channel 8)

(2)   (1)

(1) In monitor room, press down your channel number such as channel 3, then display is Selective Call 3
(2) Press down LOCK button then the display get red text.
(3) You go back to your room then you can monitor Channel 8
IMPORTANT: After monitor around 10 hours the monitor room will auto cancel monitor station and status

be back to original setting. Channel 8 and display get white. If you still want to monitor you must reset as above process.

4. Important Precaution

Note the following important precautions before using INTERCOM for the first time.

- This INTERCOM contains precious electronic components, Avoid temperature extremes during use storage, and do not subject it to strong impact.
- Avoid using it in area where it might come into direct contact with liquids and avoid very high humidity.
- Never try to open the INTERCOM or take it apart. Doing so can lead to serious damage and malfunctions
- Clean the unit by wiping it with a soft dry cloth. You can also use a soft cloth moistened with a weak solution of a mild neutral detergent and water. Wiping as much liquid as possible from the cloth before wiping the INTERCOM. Never use thinner, benzene, or other volatile agents. or alcohol to clean the unit.
- Do not use allow the unit to be exposed to direct sunlight, heat from the heaters, or other source from heat (greater than 60 degree C).

Channel Number With Frequency

Channel	Frequency (MHz)
0	462.6625
1	467.7125
2	467.6875
3	467.6625
4	467.6375
5	467.6125
6	467.5875
7	467.5625
8	462.7125
9	462.6875
10	462.6375
11	462.6125
12	462.5875
13	462.5625
14	462.7250
15	462.7000
16	462.6750
17	462.6500
18	462.6250
19	462.6000

	CTCSS (Hz)
A	110.9
B	136.5
C	186.2

Troubleshooting

1. Can't Power On

1) Check whether the plug is fully inserted,

2) Don't press TALK bottom or LOCK button when you plug in

3) Check whether the cable has a problem with another intercom

4)Check whether the adaptor has a problem with another intercom

5) Check whether the socket is matched with another intercom's adaptor.

2. Poor audio quality, static, noise and interference.

1) Don't place the intercom with other Electronically appliances together it might cause them interference
 even when it is operating property. Better moving them away over 1 meter .

2) Re-plug in the power cable

3) Change all intercom switch position from A to B or C

4) Do not put the cable on the surface or antenna

5) Do not put too close, the two intercom in the same room had better
keep a distance of 12 feet or keep them in different room.

6) Change to another new channel number

3. Can't talk or no working

1) Check whether the switch of all the units are on the same position , it's better to put all units on "A"
 position and " A" is shown on display

2) Check whether the" Group" number is the same for all the units. The factory default setting is "0"
you can reset group number if there is no number on display or different number on display

3) Check the "selective call number" is right the one you want.

4) Check whether the button " LOCK, TALK or GROUP" is fully pressed there is red text on the
LCD display means in transmitting state, Then you speaking. The other party can hear your voice.
When the white text on the LCD display means in receiving state, the other party can not hear you voice,

THE FCC WANTS YOU TO KNOW

Your intercom might cause TV or radio interference even when it is operating properly. To determine whether your intercom is causing the interference, turn off the stations, if the interference goes away, your intercom is causing the interference. Try to eliminate the interference by:

Moving your stations away from the receiver.

Connecting your stations to an outlet that is on a different electrical circuit from the receiver.
If you cannot eliminate the interference, the FCC requires that you stop using your intercom.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located for operating in conjunction with any other antenna or transmitter.

Important: Do not hold down CALL for more than 10 seconds. The FCC does not allow you to send a continuous tone for more than 10 seconds at a time on FRS frequencies.

The user manual must include information stating that operation on GMRS frequencies requires an FCC license, and such operation is subject to additional rules specified in Part 95 including prohibited communications in Section 95.183
(a) A station operator must not communicate:

(1) Messages for hire, whether the remuneration received is direct or indirect;

(2) Messages in connection with any activity which is against Federal, State, or local law;

(3) False or deceptive messages;

(4) Coded messages or messages with hidden meanings ("10 codes" are permissible);

(5) Intentional interference;

(6) Music, whistling, sound effects or material to amuse or entertain;

(7) Obscene, profane or indecent words, language or meaning;

(8) Advertisements or offers for the sale of goods or services;

(9) Advertisements for a political candidate or political campaign (messages about the campaign business may be communicated);

(10) International distress signals, such as the word "Mayday" (except when on a ship, aircraft or other vehicle in immediate danger to ask for help);

(11) Programs (live or delayed) intended for radio or television station broadcast;

(12) Messages which are both conveyed by a wire line control link and transmitted by a GMRS station

(13) Messages (except emergency messages) to any station in the Amateur Radio Service, to any

unauthorized station, or to any foreign station;

(14) Continuous or uninterrupted transmissions, except for communications involving the immediate safety of life or property;

(15) Messages for public address systems.

(b) A station operator in a GMRS system licensed to a telephone answering service must not transmit any communications to customers of the telephone answering service.

FCC Licensing Information:

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