Instruction Manual

Digital Wireless Intercom SAMCOM FTAN10A

Features of Model FTAN10A

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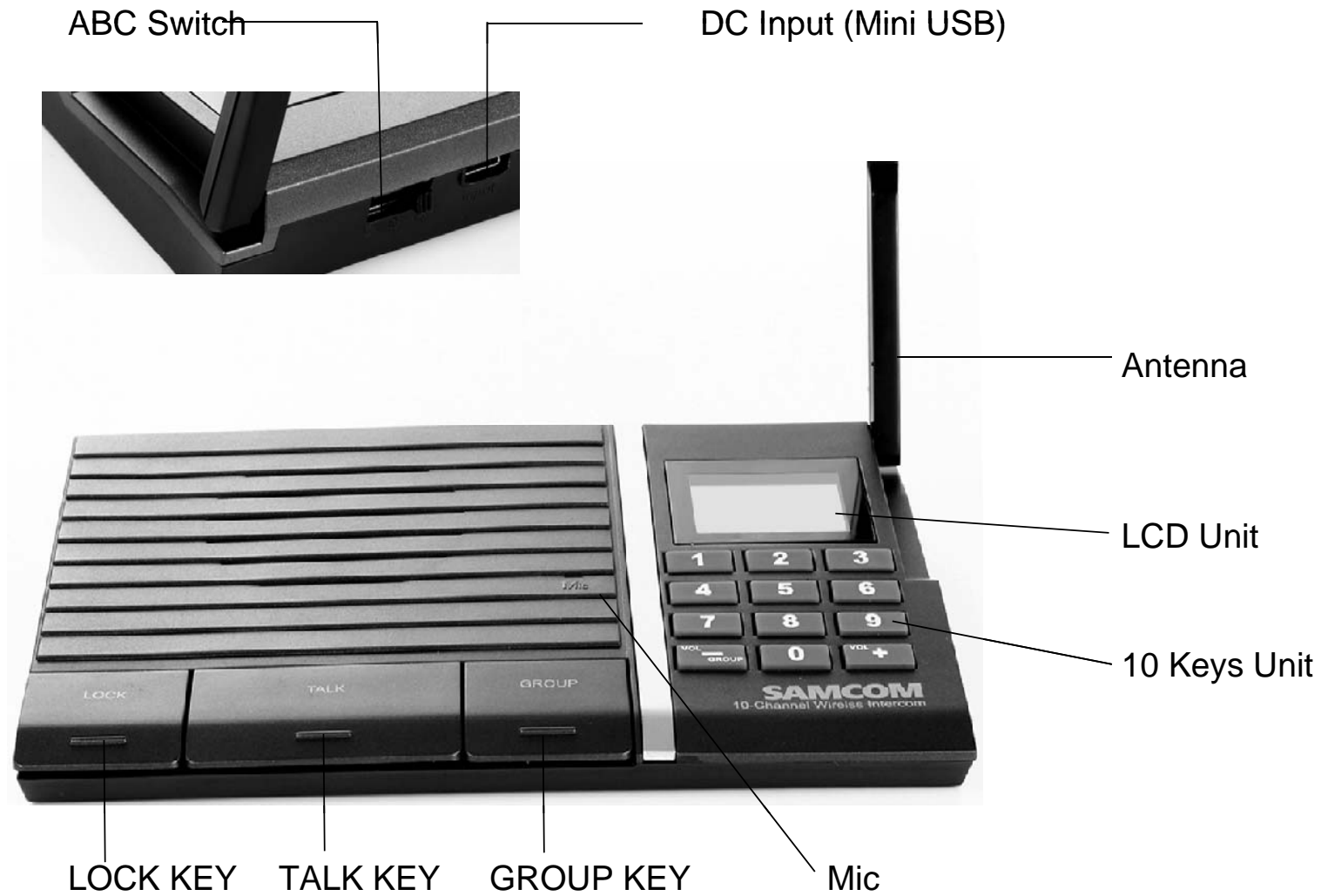- Connect ability to other hand held two way radio.

Sancon Inc.

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■ Sancon Inc. assumes no responsibility for any loss or claims by third partly which may arise through the use of Wireless Intercom FTAN10A

■ Sancon Inc. assumes no responsibility for any damage or loss caused by repair or failure of non power connection
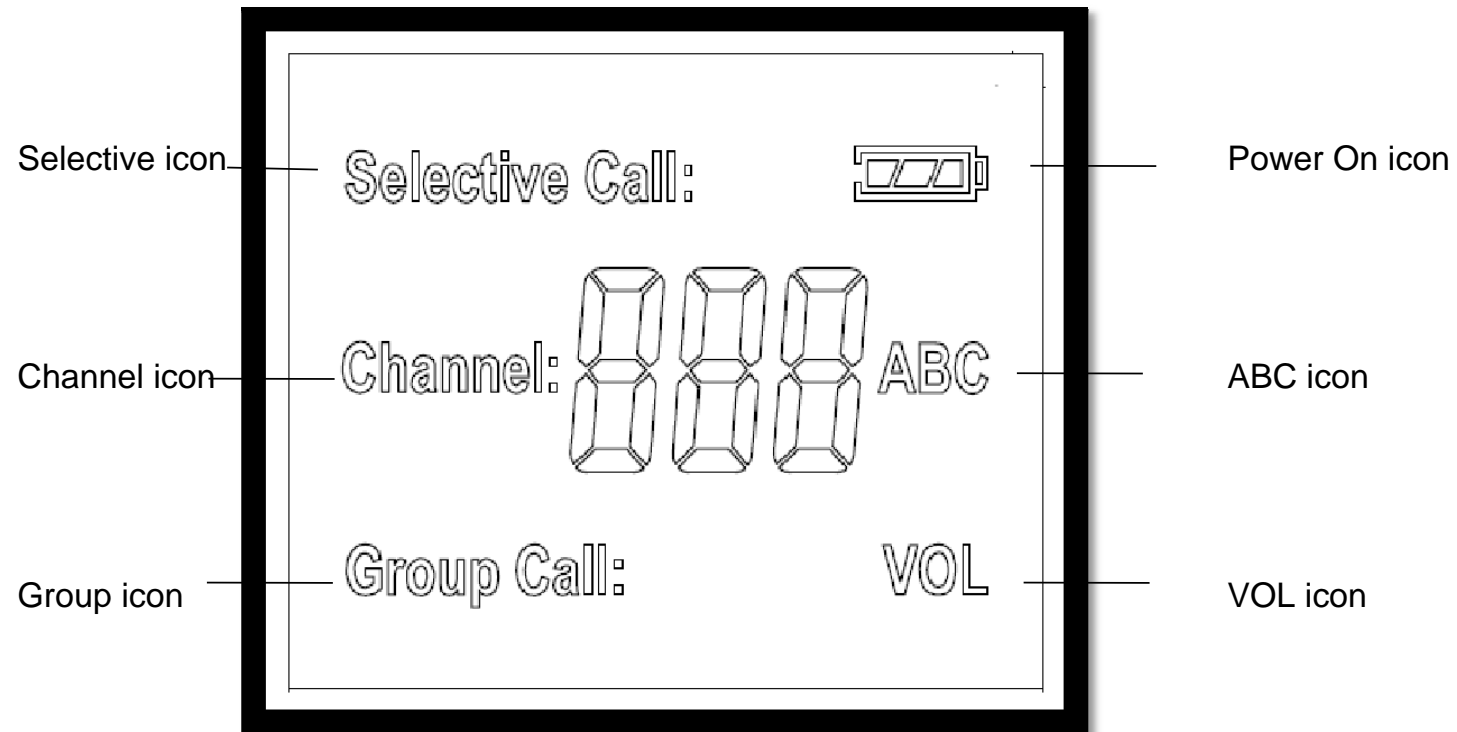
CONTENTS

1. Get Acquaint

■ Description of Buttons and Keys

ABC Switch

DC Input (Mini USB)

Antenna

LCD Unit

10 Keys Unit

LOCK KEY   TALK KEY   GROUP KEY   Mic

3

■ **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

2. Set INTERCOM channel and function

■   Set Channel

Factory settings for all INTERCOM channel is 1

Each INTERCOM should have own channel to be called other INTERCOM individually.

To set INTERCOM channel, select number from 1 to 9 and depress for 8 seconds

After 8 seconds, short beep sound will be generated and
New set channel will be displayed in LCD unit automatically.

For example

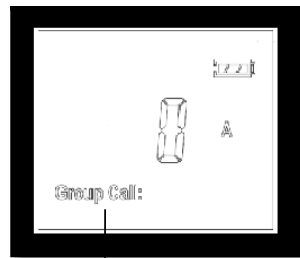| Your room	Kitchen room	Living room
Channel 6	Channel 2	Channel 4

■ Set Group channel

Factory settings for all Group channel is 0, if no interference sound or interface from the neighbor system need not be resetted.

To set new Group channel for each INTERCOM, following are the step:
1. Press "-" key for 15 seconds
2. After the beep, Group call icon will flash
3. Input new group channel number.
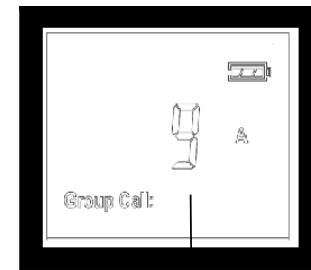4. New group channel will be displayed in LCD unit.

Press [—] key   Group call icon   Input new group   New group channel
for 15 seconds   will flash   channel

Note:
If you change Group call channel you should change all INTERCOM in your hand to same number otherwise group call does not function.

■ ABC switch function

FTAN10A has special ABC selection switch.
All the ABC switch should set in the same position such as "A" position.
If you find some interference sound or interface from the neighbor system,
you can change to ABC switch to other position "B" or " C" to avoid such problems.
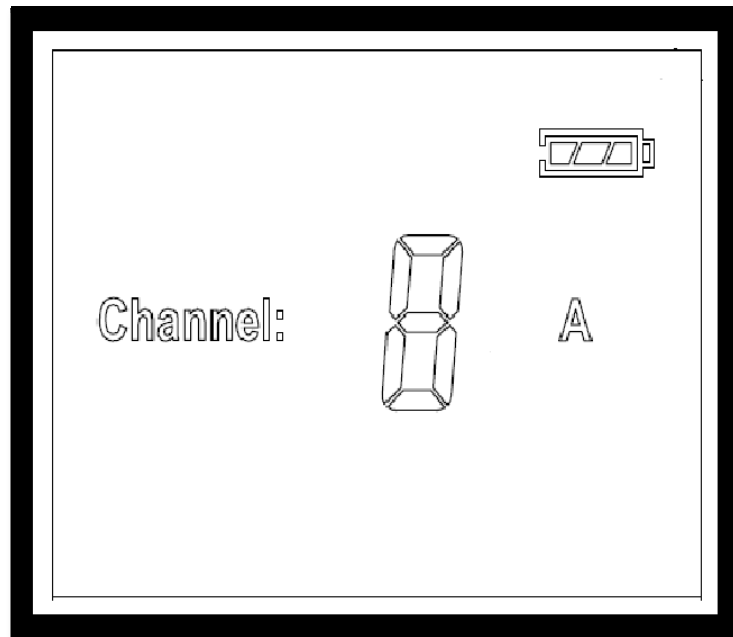
ABC Switch

3. Basic Operation

■ Power up and standby

Connect USB power cable to INTERCOM, small beep alert will be heard and ▭ icon will be appeared to indicate the INTERCOM is in the standby mode.
While standby mode, you can see INTERCOM channel number in the LCD unit display.
In this standby mode you will be called by other INTERCOM automatically without depressing any keys

Channel: 8 A

Channel 8 standby display

■   **Reception from other intercom**

You will be called by other INTERCOM automatically.

Antenna

INTERCOM has the external Antenna

To get better communication range it would be recommend to pull up the Antenna as picture.

Volume control

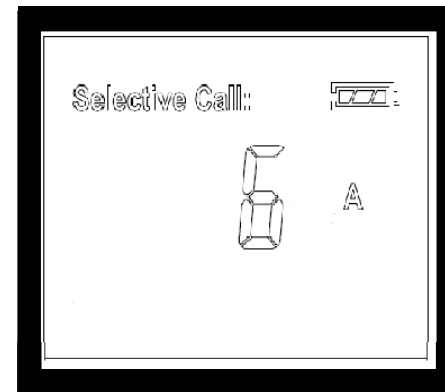You can adjust the volume by pressing "+" key or "-" key.

While volume adjusting VOL icon will be appeared to indicate volume is under adjusting.

"+""-"key to increase/reduce volume from 1 to 8

■ Talk to other intercom

To talk to other INTERCOM. Press 10 key unit to select which INTERCOM to be talked with. then press TALK key to start to speak.
While talking to other INTERCOM, Selective call icon and selected channel number will appear in the LCD
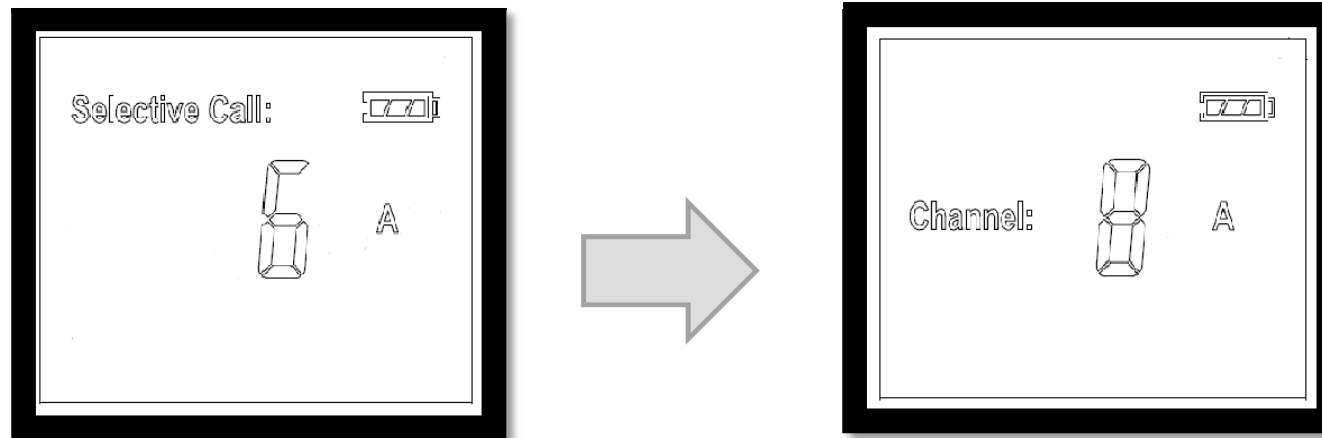

Selective Call:

LCD when selected channel 6 as a selective call

TALK key

Note:

15 seconds after the last reception or last transmission. INTERCOM will return channel to own channel automatically (standby mode)

LCD when selected channel 6 as a selective call Channel 8 standby display

NOTE:

When press the TALK key then LCD back light color will change from white to red to indicate that INTERCOM is under transmissions mode.

■ Talking lock operation

INTERCOM has the LOCK key to make you hands free speaking mode. When press LOCK key at once. INTERCOM will enter the transmission mode continuously. So you can speak to other INTERCOM without any pressing keys. To release the mode. Press LOCK key again.

LOCK Key

NOTE:

When press the LOCK key then LCD back light color will change from white to red to indicate that INTERCOM is under transmissions mode.

■ **Group call operation**

INTERCOM has a unique GROUP call function. When under the group call operation you can speak to all the INTERCOM simultaneously.
Or you will be called by other INTERCOM on GROUP call and your INTERCOM will change channel from own channel to GROUP channel automatically.
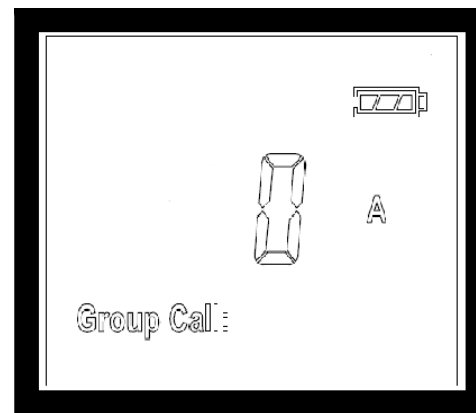
When pressing GROUP key, you can enter the group call mode.

When release the GROUP key, INTERCOM come back to own channel.

When INTERCOM is in the group mode. Group call icon will be appeared.
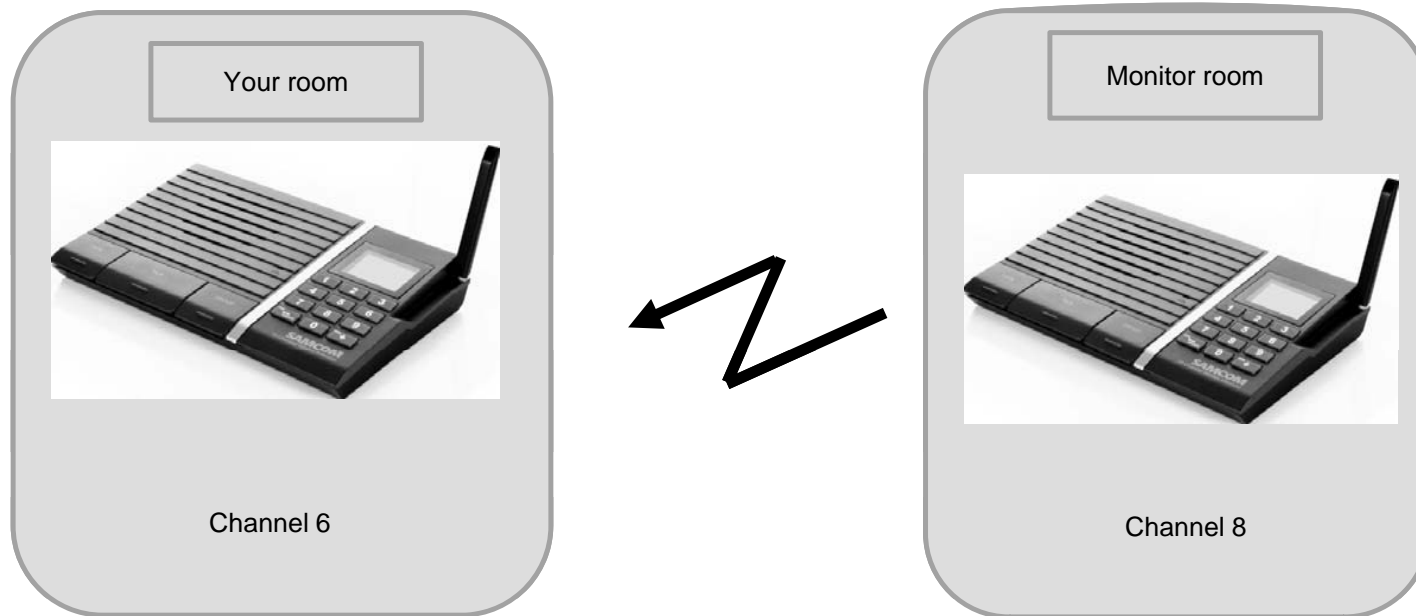

GROUP key

GROUP icon and group channel display

■ Monitor operation

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

Your room

Monitor room

Channel 6

Channel 8

Press 6 key and LOCK

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	Frequence (MHz)
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
0	462.6625

	CTCSS (Hz)
A	110.9
B	136.5
C	186.2

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 v oid 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.