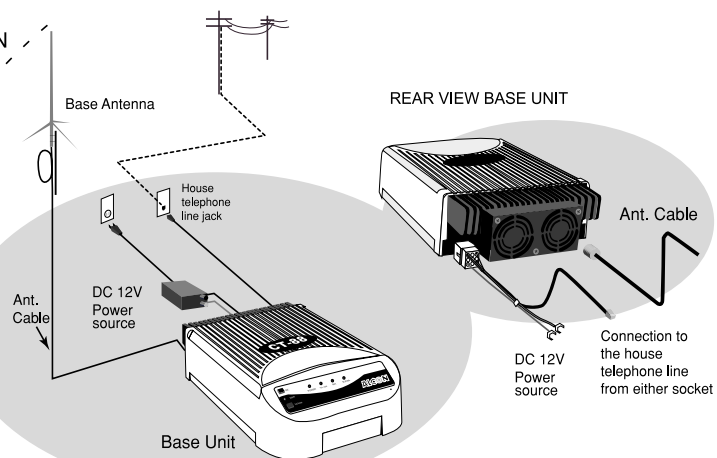
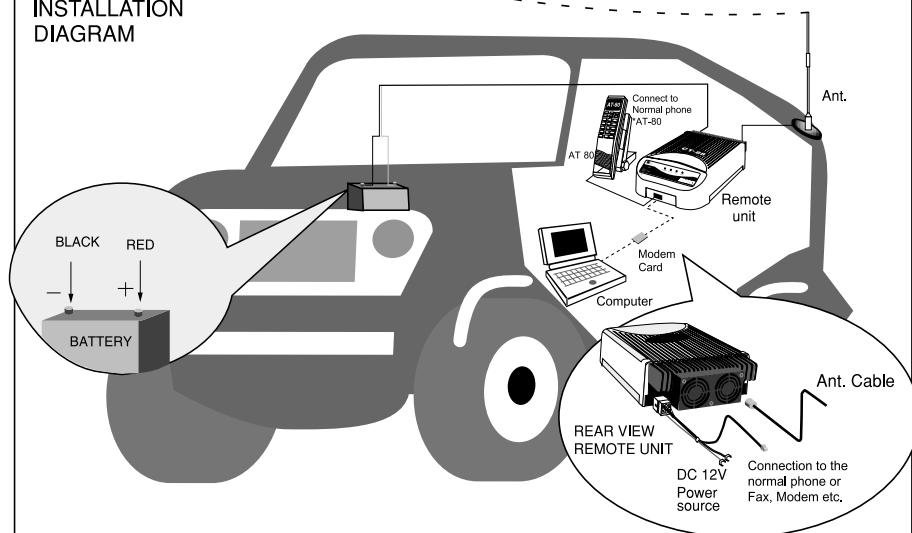


## CT-88 STATION TO MOBILE INSTALLATION DIAGRAM

### BASE UNIT INSTALLATION DIAGRAM



### MOBILE UNIT INSTALLATION DIAGRAM



**ALCON**  
CT-88<sup>TM</sup>

## Owner's Guide



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## CT-88<sub>SS/SM</sub> OPERATION GUIDE

ALCON TELECOMMUNICATIONS CO., LTD. a professional maker of high quality communication equipment, is proud to present its newest model : CT-88SS Point to Point/Point to Mobile cordless telephone system. This ALCON product will give you years of performance if you read and follow carefully the instructions contained in this manual.

## FEATURES:

- ♦ POINT-TO-POINT OR POINT-TO-MOBILE USE
- ♦ HIGH PERFORMANCE
- ♦ UNIVERSAL INTERFACE ON THE REMOTE/MOBILE FOR FAX / DATA OR OTHER TELECOM EQUIPMENT USE
- ♦ ECONOMICAL AND EASY TO USE
- ♦ EXCELLENT SIGNAL QUALITY FOR LONG RANGE USE
- ♦ RF STABILITY & DURABILITY
- ♦ SCRAMBLER FUNCTION
- ♦ 40 CHANNELS FREQUENCY AUTO SCAN
- ♦ TWO-WAY PAGING & INTERCOM
- ♦ MODULAR DESIGN

## STANDARD PACKAGE

### CT-88 BASE UNIT AND REMOTE / MOBILE

#### Standard Accessories for CT-88 S.S.

CT-88 Base Unit	x 1	30m Cable	x 2
CT-88 Remote / Mobile Unit	x 1	Telephone lines	x 1
Power Suply (with DC Cord)	x 2	AT-526 Normal Telephone	x 1
Antenna(OA-2538 )	x 2	User's Manual	x 1



## Standard Accessories for CT-88 S.M.

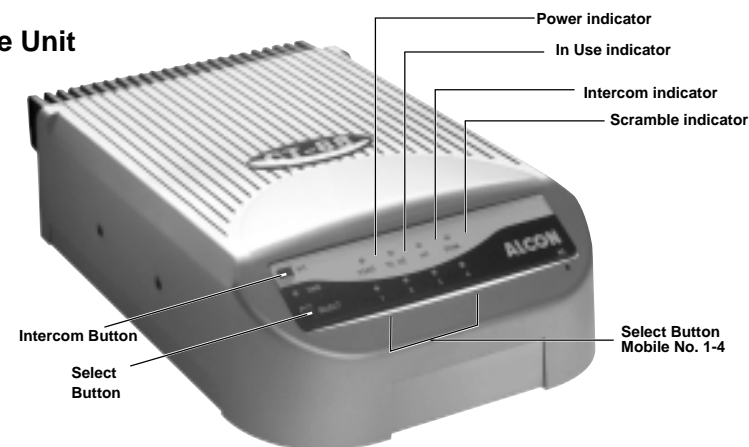
Base Unit	x 1
Remote / Mobile Unit	x 1
Power Supply	x 1
30m Cable	x 1
Antenna(OA-2538)	x 1
1/2 $\lambda$ Car Antenna	x 1
Magnetic Car Antenna Mount	x 1
DC Cord 1m / 6.5m	x 1
AT-80 Telephone	x 1
User's Manual	x 1



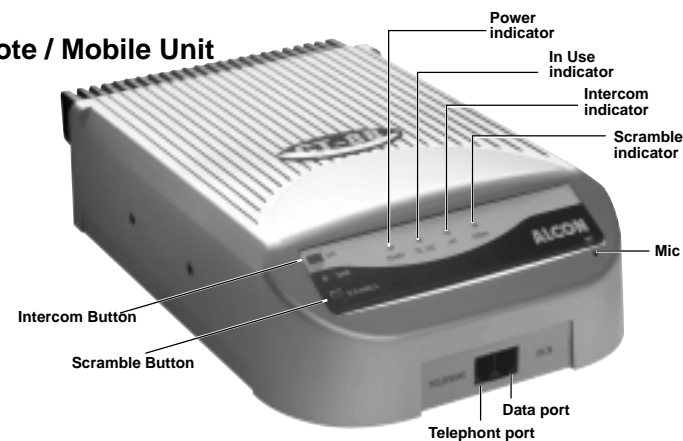
## Function Keys :

Base Unit	INT. Button	Select Button Mobile No. 1-4
	Tel.	Use Indicator
	Intercom	Intercom Indicator
	Scram	Scramble Indicator
Remote/Mobile Unit	Scramble	Scramble Key
	Intercom	Intercom Key
	Unit Selector	1 - 4 Indicator

### Base Unit



### Remote / Mobile Unit



## FUNCTION KEYS :

### ANSWERING A CALL

#### ANSWERING WITH THE CT-88 Remote Unit



Make sure the Remote POWER switch is ON.

1. When a call comes in, the Normal Telephone will ring.

The TEL indicator will flash.

2. Pick-up the handset of the Normal Telephone and begin your conversation.

The TEL indicator will illuminate.

3. Hang up .

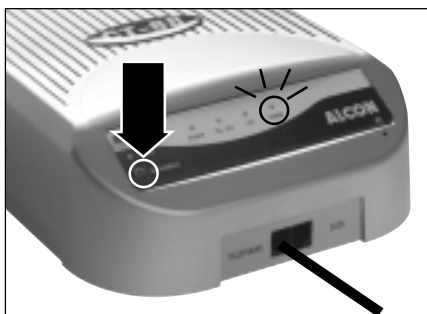
#### ANSWERING WITH THE BASE UNIT



It is possible to connect a normal telephone to the Base Unit and then have it answer the incoming calls. There is an RJ-11 telephone socket on the back of the Base Unit for this purpose. This normal telephone for the Base Unit is not included in the standard package.

#### SCRAMBLE FUNCTION & DATA TRANSMISSION

To prevent somebody from eavesdropping on your conversation, use the Scramble function. .



Press the SCRAM. button to activate

- 1.No SCRAM. indicator is normal(Tel.)
- 2.SCRAM. indicator on(flashing) is Data Transmission
- 3.SCRAM. indicator on is Scramble function

#### NOTE :

- If there is blackout when the system had the Scramble Function engaged or disengaged, the system will always return to that setting when the power returns.
- The system should be in standby mode to engage or disengage the scramble function.

### PLACING A CALL

#### Remote / Mobile UNIT

Switch the Remote/ Mobile unit ON (the POWER indicator should illuminate), making sure that the telephone cord is plugged into the house socket.



1. Pick up the telephone handset of the normal telephone and check if there is dial tone.

The TEL indicator will illuminate.

2. Dial the number you wish to call.
3. hang up the handset when you have finished the call.

## INTERCOM FUNCTION

{BETWEEN REMOTE/ MOBILE UNIT AND BASE UNIT}

### A : Remote / Mobile CALLING BASE UNIT

#### Remote / Mobile



1. Press INTERCOM. The base will emit two short “beeps”.

The Remote/Mobile unit INT indicator will begin to flash.

2. The Remote/Mobile will then emit two short rings and then it will continuously ring.

Once the Base unit is in use, the INT indicator will continuously illuminate.

3. Pick-up the Normal Telephone and you will be automatically linked with the Base Unit for intercom communication purposes.
4. Once you are finished your conversation, just hang up the handset and you will automatically close the intercom communication.

#### Note :

- If you press INTERCOM without picking up the handset of the normal telephone and the Base unit user picks up their handset, the Remote/Mobile unit will emit a quick beeping sound.

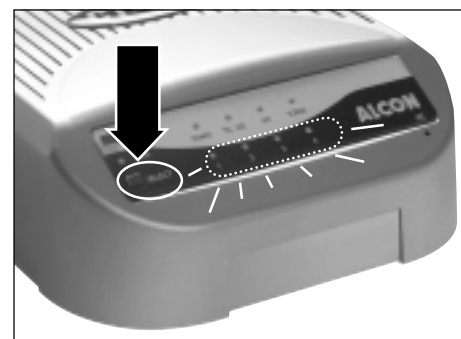


#### Base Unit

1. The Base Unit will ring, wait a few ring and pickup the normal phone and begin to talk, when you are finished handup.

### B : BASE CALLING REMOTE / MOBILE UNIT

#### Base Unit



1. Press the Intercom button on the Base Unit and wait for somebody at the remote end to answer.
2. When the somebody answers from the remote end, communication is automatically established and you can begin your conversation. Just talk near the Base Unit since the microphone is located on the front panel.
3. To finish your intercom conversation, it is necessary that the Remote/Mobile Unit hangs up. The Base Unit cannot hang up during intercom.
4. Pressing the Intercom button twice on the Base Unit cancels the intercom function.
5. If you have more than one Remote/Mobile Unit in your network, press the Select button to choose which Remote/Mobile you wish to link with. Press the Select button to move from Remote/Mobile 1, 2, 3, or 4. Once you have selected the Remote/Mobile, press the Int button and only this unit will ring. Use the same procedures to communicate with this unit.



## Remote/ Mobile unit



1. The Remote/ Mobile unit will ring.  
The INT indicator will flash. This means that the Base unit is calling the Remote / Mobile unit.

2. Once you lift the telephone handset, you can begin your conversation .  
The INT indicator will continuously illuminate.

3. To finish the conversation, press CALL or hang up the telephone handset of Remote/ Mobile unit.

### NOTE :

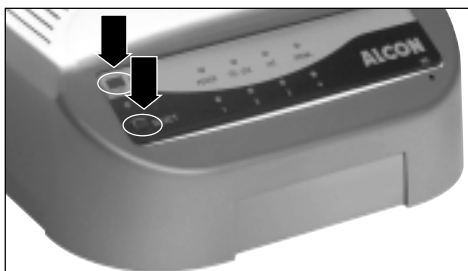
- When the distance between Remote/ Mobile unit and Base unit is too far, the INT indicator will flash several times without ringing.

## TRANSFERRING CALLS

From Base Unit to Remote/Mobile (only if you have a Normal Telephone Connected to the Base Unit that has the "hold" function)

### Base Unit

It is necessary to connect a normal telephone that has the "hold" function to the Base Unit



1. An incoming call comes into the system.

Press HOLD on the normal telephone. The call will be put on hold automatically.

2. Select the Remote/Mobile you wish to communicate with by pressing the SELECT button and then press INT. Tell the person at the Remote / Mobile that he has an incoming call. The person on the Remote /Mobile will hang up and then answer again. In the meantime, the person on the Base will take the person off of hold and the call will automatically be transferred to the Remote Unit.

## Remote/Mobile



3. Hang up the normal telephone to deactivate the INT and then pick up the handset again to get the outside call.
4. You will now be able to answer the call that is on hold.

## TEMPORARY TONE DIALING

If your home is equipped with pulse dialing and your telephone is set to the pulse mode, you can still change it to the tone dialing mode temporarily. This allows you to access special services available to tone systems (e.g., electronic banking systems and remote-control answering machines).

1. Dial the number you want to call.
2. When your call goes through, press \* .



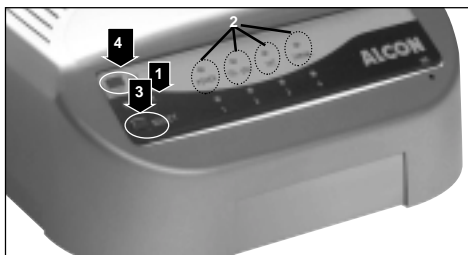
### NOTE:

- The telephone will stay in the tone mode until the call ends, then it will return to the pulse mode automatically.

## Setting a Representative number for Remote/ Mobile Unit

setting your Remote/ Mobile unit representative number on the Base unit. 1 Set the POWER switch of Remote / Mobile unit to OFF.

### Base Unit



1. Press SEL and without releasing turn on the Base Unit.
2. All the LED indicators will be displayed and also Indicator No. 1.
3. Press SEL to change to the Remote Unit No. that you wish to represent either "2", "3" and "4".
4. Press the INT button.

### NOTE :

- Once you press the INT button, you must complete the following procedures within 5 seconds to successfully complete the procedure.

### Remote/ Mobile Unit



5. Press and hold the INT button without releasing and simultaneously turn on the power of the Remote/Mobile Unit.
6. All the LED indicators on your Remote/Mobile unit will turn on simultaneously meaning that the procedure was successfully completed.
7. Switch the POWER of the Remote/Mobile unit to OFF, and then switch to ON again.
4. Pick up the Handset of the Normal Telephone and see if the digit button flashed is the number you setup.

### NOTE :

- To program a new Remote/Mobile unit to the original Base Unit, follow the same procedure as above keeping in mind that it is necessary to have the same Group & Type. If you program a new Remote/Mobile unit to the original that does not have the same Group or Type, they will not be able to link.

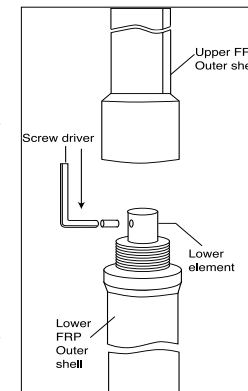
## OA-2538 HI-GAIN ANTENNA INSTALLATION :

### Note :

It is essential that the outdoor antenna be placed in a strategic area to provide maximum communication range and clarity. Before the base Station and the Handset unit are activated, be sure to connect the Base Antenna to avoid damage.

### ATTACHING THE TWO SECTIONS

1. Connect the two middle wires of each section of the antenna together.
2. Use the mini-L wrench to fasten the screw given into the place provided on the middle wire.
3. Connect the two sections together as tightly as possible.

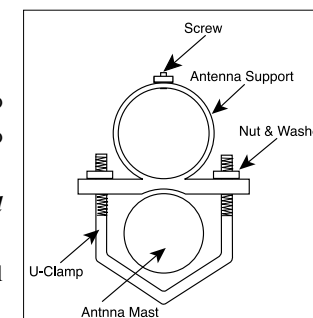


### ANTENNA MOUNTING

1. Mount the antenna support, using the U-Clamps given, to an antenna mast (a long thin piece of wood, metal etc.) to extend the overall height.

**Note :** Make sure that the material you use can withstand any climatic condition.

2. Connect the M-Jacks provided to both ends of the coaxial cable. (if necessary).



### ANTENNA REFLECTOR MOUNTING

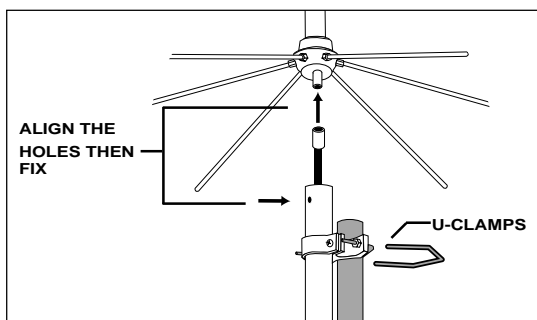
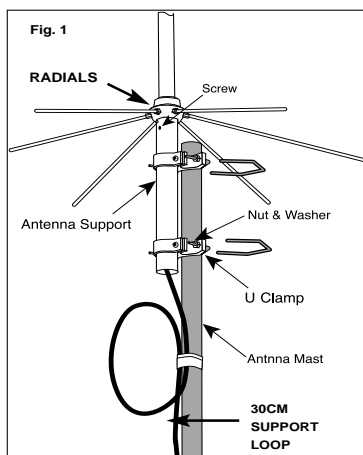
3. Screw the three reflectors securely in the bottom part of the antenna into places provided.

## COAXIAL CABLE MOUNING

4. Feed the coaxial cable through the support. Mount the high gain antenna on to the support by aligning the holes found on the antenna support with those found on the antenna. Secure the structure by using the screws provided (see illustration).
5. Fix the cable securely using cable clamps and run the cable to the base station unit, then connect it to the back.

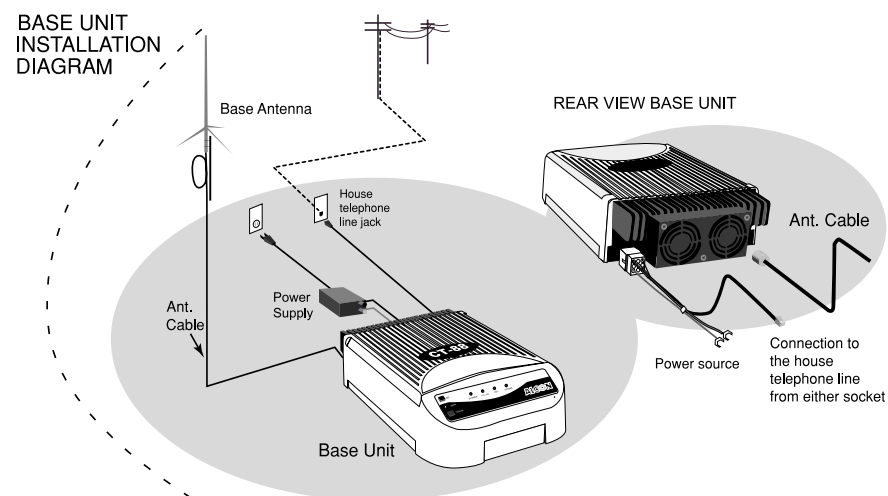
**Note :** The coaxial cable distance can be longer than the 30M available (provided you use the same or similar specification of cable), but the recommended length is 30M or less (the less length the better.).

6. When securing the coaxial cable, we recommend you turn the coaxial cable once to make a small loop (about 15 to 25 cm in diameter) near the antenna support to prevent excessive load from the cable on the antenna connection and to protect the coaxial cable and antenna connection from being damaged when accidentally pulled. See illustration for more details.



## CT-88 STATION TO STATION INSTALLATION DIAGRAM

### BASE UNIT INSTALLATION DIAGRAM



### REMOTE UNIT INSTALLATION DIAGRAM

