EXHIBIT 9
INSTRUCTION MANUAL

9.0 Instruction Manual

Attached is a preliminary copy of the Instruction Manual.

Please note that the required FCC Information to the User can be found on Page 23 & 24 of this manual.

This manual will be provided to the end-user with each unit sold/leased in the United States.
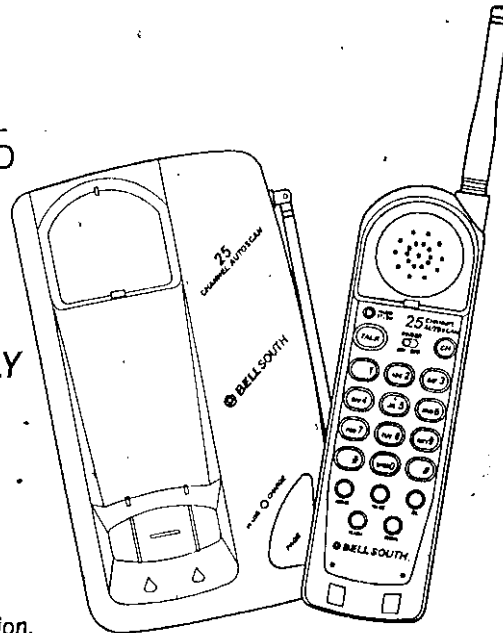
⊕ *BELL* SOUTH

CORDLESS TELEPHONE

25 CHANNEL AUTOSCAN

Model 33012

OWNER'S MANUAL
INSTALLATION AND
OPERATING
INSTRUCTIONS

*PLEASE READ THIS
MANUAL CAREFULLY
BEFORE USE.
KEEP FOR YOUR
REFERENCE.*

*For Getting Started Information,
please see Installation Instructions
on page 8 or your separate
Quick Start guide.*

FCC ID: NS233012

Special Features

Congratulations on your selection of a quality **Bellsouth** product. With proper care and by following the setup and user instructions in this manual, this unit will provide you with years of trouble free service.

Bellsouth is committed to providing quality products that fit your needs. We would like to have any comments or suggestion you might have on this product. You may mail your comments to:

> U.S. Electronics
> 105 Madison Avenue
> New York, NY 10016

When examining your new Bellsouth cordless telephone, you will find an array of special features including:

25 Channel Auto Scan - Press (CH) button on the HANDSET to find and lock on to the clearest channel for any call.

10 Number Speed Dial - Stores up to 10 frequently called numbers.

Desk or Wall Mount - Use this equipment as a desk phone or as a wall phone.

Tone or Pulse Dialing - Use this phone for either tone or push-button pulse (rotary) dialing.

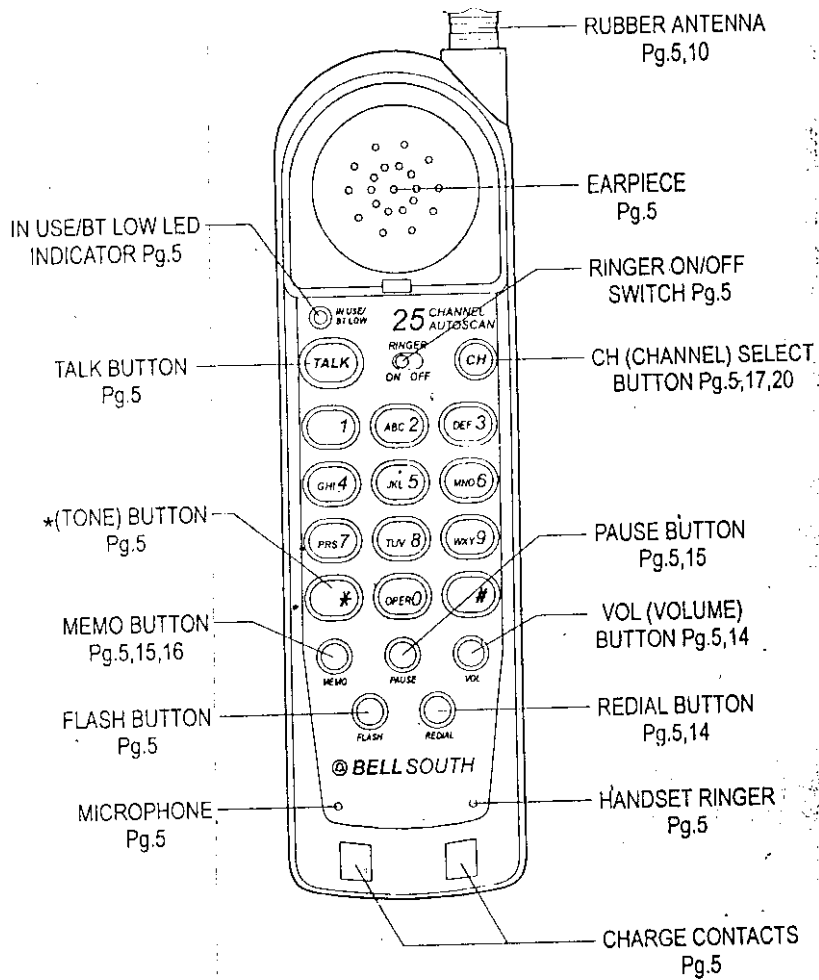**Automated Functions** - Redial the last number called, speed dial 10 numbers and automatic STANDBY.

Security - Ensures greater privacy because a built-in security code with 65,536 combinations prevents use of your telephone line by another nearby cordless phone.

Dependable Battery - Recharge your battery pack many times with the built-in charger. The battery low warning tone tells you when the battery needs recharging. (See page 18.)
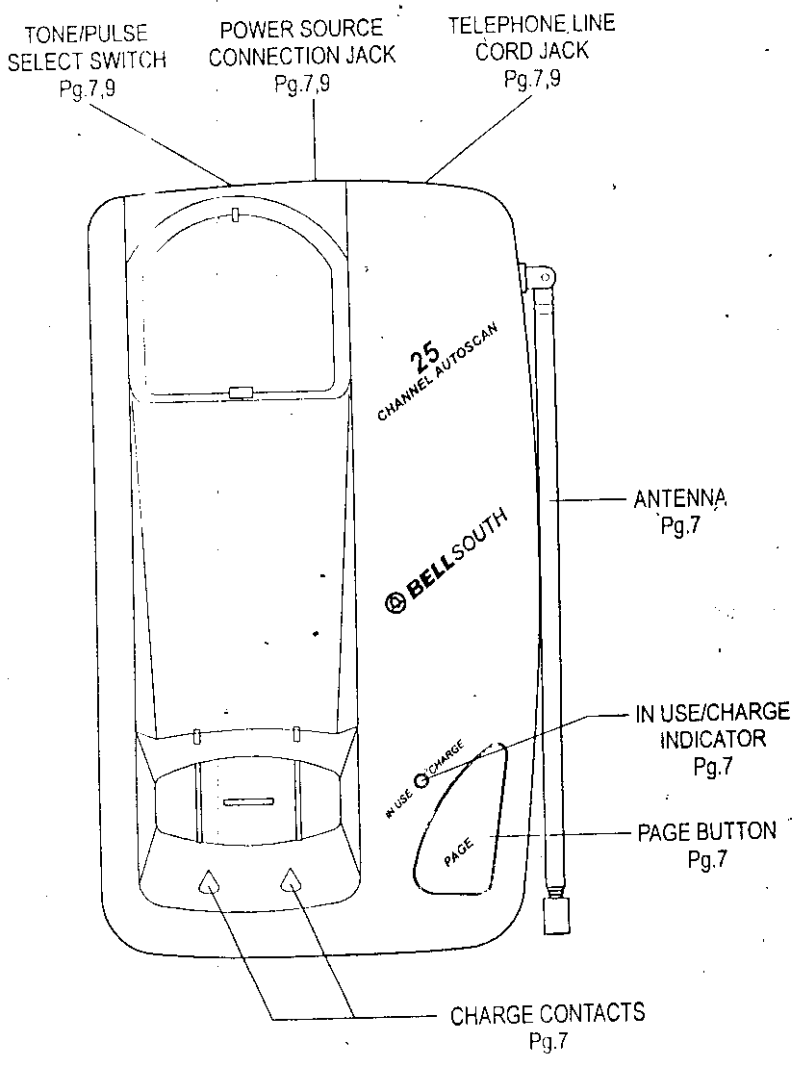
Special Services - Use the (FLASH) button to access special services such as Call Waiting supplied by your telephone company or company switchboard.

STANDBY Mode - When in STANDBY mode, the phone is capable of receiving a call (ON HOOK). When the HANDSET is on the base it is automatically in the STANDBY mode (ON HOOK). When the HANDSET is taken off the BASE UNIT, it remains in the STANDBY mode until you activate the (TALK) button.

Battery Power Saver - Once fully charged, in STANDBY Mode and with the RINGER SWITCH in the "ON" position, the HANDSET can receive/send calls for a maximum of five days without the need for recharging, depending on frequency of use.

3012c pm6   1   5/18/98, 8:52 AM

RUBBER ANTENNA
Pg.5,10

EARPIECE
Pg.5

IN USE/BT LOW LED
INDICATOR Pg.5

RINGER ON/OFF
SWITCH Pg.5

TALK BUTTON
Pg.5

IN USE/
BT LOW
25 CHANNEL AUTOSCAN
RINGER
ON OFF

CH (CHANNEL) SELECT
BUTTON Pg.5,17,20

TALK

CH

1   ABC 2   DEF 3

GHI 4   JKL 5   MNO 6

PRS 7   TUV 8   WXY 9

*(TONE) BUTTON
Pg.5

PAUSE BUTTON
Pg.5,15

*   OPER 0   #

VOL (VOLUME)
BUTTON Pg.5,14

MEMO BUTTON
Pg.5,15,16

MEMO   PAUSE   VOL

FLASH BUTTON
Pg.5

FLASH   REDIAL

REDIAL BUTTON
Pg.5,14

@ BELL SOUTH

MICROPHONE
Pg.5

HANDSET RINGER
Pg.5

CHARGE CONTACTS
Pg.5

For Getting Started information, please
see Installation instructions on page 8
or your separate Quick Start guide.

TONE/PULSE
SELECT SWITCH
Pg.7,9

POWER SOURCE
CONNECTION JACK
Pg.7,9

TELEPHONE LINE
CORD JACK
Pg.7,9

25
CHANNEL AUTOSCAN

BELL SOUTH

ANTENNA
Pg.7

IN USE/CHARGE
INDICATOR
Pg.7

PAGE BUTTON
Pg.7

CHARGE CONTACTS
Pg.7

Contents

1

FCC ID: NS233012

IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation, to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company
8. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused persons walking on it.
9. Do not overload wall outlets and extension cords. This can increase the risk of fire or electric shock.
10. Never push objects of any kind through slots in the product. They could touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
11. To reduce the risk of electric shock , do not take this product apart. When service or repair work is required on this product, take it to a qualified service representative. Opening or removing covers may expose you to dangerous voltage or other risks. Incorrect reassembly can cause electric shock when the appliance is used.
12. Unplug this product from the wall outlet and consult a qualified service representative in any of the following situations:
    A. When the power supply cord is frayed or damaged.
    B. If liquid has been spilled into the product.
    C. If the product has been exposed to rain or water.
    D. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions. Improper adjustment of the other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

2

    E. If the product has been dropped or the case has been damaged.
    F. If the product exhibits a distinct change in performance.
13. Do not use the telephone to report a gas leak in the vicinity of the leak.
14. Never install telephone wiring during a lightning storm.
15. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
16. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
17. Use caution when installing or modifying telephone lines.

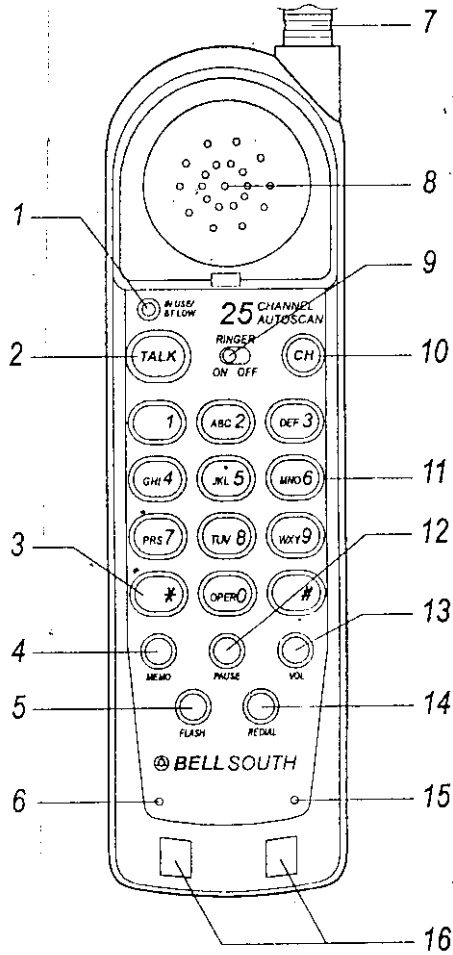## SAVE THESE INSTRUCTIONS

Battery Safety

CAUTION:

To reduce the risk of fire or personal injury, read and follow these instructions:

1. Use only the following type and size of battery pack:
    Cordless Telephone Battery Pack
    3.6V, 280mAh
    U.S. Electronics Inc.
    Ni-MH Battery Pack: model B620
    (See page 18 for ordering information.)
2. Do not dispose of the battery pack in a fire. It may explode. Check with local codes for possible special disposal instructions.
3. Do not open or mutilate the battery pack. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care in handling the battery pack to prevent shorting the battery with conductive materials such as rings, bracelets and keys. The battery pack or conductor may overheat and cause burns.
5. Charge the battery pack provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.

ATTENTION:

The product that you have purchased contains a rechargeable battery pack. The battery pack is recyclable. At the end of its useful life, under various States and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

3

7

1

8

9

2 — TALK

RINGER
ON OFF

25 CHANNEL AUTOSCAN

CH — 10

1   ABC 2   DEF 3

GHI 4   JKL 5   MNO 6 — 11

3   PRS 7   TUV 8   WXY 9

*   OPER 0   #   — 12

4   MEMO   PAUSE   VOL — 13

5   FLASH   REDIAL — 14

⊕ BELL SOUTH

6   — 15

16

4

FCC ID: NS233012

Handset Controls

1. **In Use/Bt Low LED Indicator:** Lights up when the HANDSET is in TALK mode. Blinks when there is an incoming call. Blinks when battery power is low. (See page 18 for details.)
2. **Talk Button:** Press to answer an incoming call or to place a call. Press to end a call.
3. **Tone (∗) Button:** Press to temporarily change the dialing mode from Pulse to Tone for Rotary Service Users. (Press once before entering numbers to access the answering system or electronic banking services, etc.)
4. **Memo Button:** Press to store phone numbers in memory or to call a number you have stored previously.
5. **Flash Button:** Press to answer an incoming call if you have Call Waiting.
6. **Microphone**
7. **Rubber Antenna**
8. **Earpiece**
9. **Ringer Switch:** Turn to OFF position to disengage the ringer on the HANDSET.
10. **Channel Select Button (CH):** Press to change the operating channel when you hear interference.
11. **Dial Keypad:** Use to dial phone numbers.
12. **Pause Button:** Press to insert a pause while dialing. (You will need the (PAUSE) button to dial numbers which use an alternative long distance access code.)
13. **Volume (VOL) Button:** Press to increase the receiver volume (low to high). Press again to decrease volume (high to low).
14. **Redial Button:** Press to redial the last number you dialed.
15. **Handset Ringer**
16. **Charge Contacts:** For charging the battery inside the HANDSET. We recommend cleaning the charge contacts periodically with a damp clot

IMPORTANT

In order to get maximum life from the HANDSET battery, be sure to charge the HANDSET for 12 hours before initial use.

5

1   2   3

25
CHANNEL AUTOSCAN

🔔 *BELL* SOUTH

4

IN USE ◯ CHARGE

5

PAGE

6

7

6
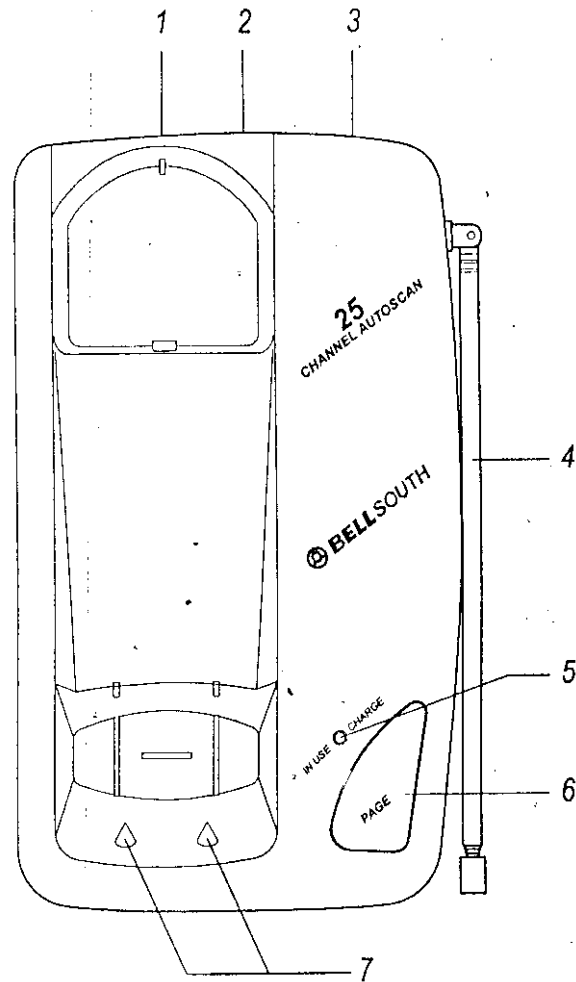
Base Unit Controls

1. Tone/Pulse Select Switch
2. Power-In Connection Jack
3. Telephone Line Connection Jack
4. Antenna: Fully extend for best reception.
5. IN USE/CHARGE LED Indicator: Lights up to indicate the HANDSET is being charged when the HANDSET is placed on the BASE UNIT. Indicator blinks when the HANDSET is in TALK mode or an incoming call is received.
6. PAGE Button: Press to page the HANDSET.
   (NOTE: The PAGE function is disabled when the RINGER switch is OFF.)
7. Charge Contacts: For charging the HANDSET battery. For best performance, clean periodically with damp cloth only.

IMPORTANT

Locating your BASE UNIT near appliances such as televisions, refrigerators, radios, or microwave ovens may cause interference.

7

Connecting Your Phone

This section is a reference guide to the basic functions and operations of your cordless telephone. For more detailed descriptions of the operations and features of this telephone, refer to the Contents on page 1.

1. Carefully remove your cordless telephone from its shipping carton. If there is any visible damage, do not attempt to operate this equipment. Return it to the place of purchase.

2. Check to be sure you have all items that come with this cordless telephone system. You should have a HANDSET, BASE UNIT, Rubber Antenna, AC Adaptor, Telephone Line Cord and Owner's Manual.
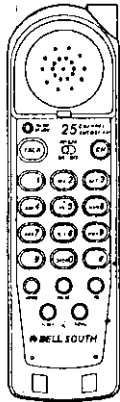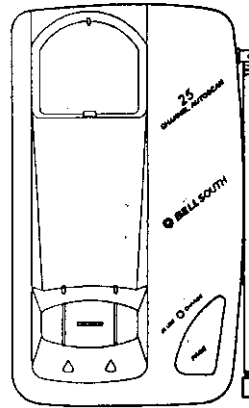
HANDSET   BASE UNIT
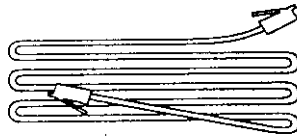
TELEPHONE LINE CORD
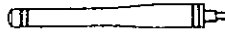
ANTENNA   AC ADAPTOR
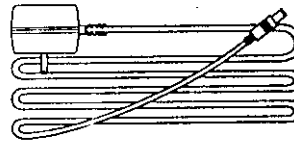
8
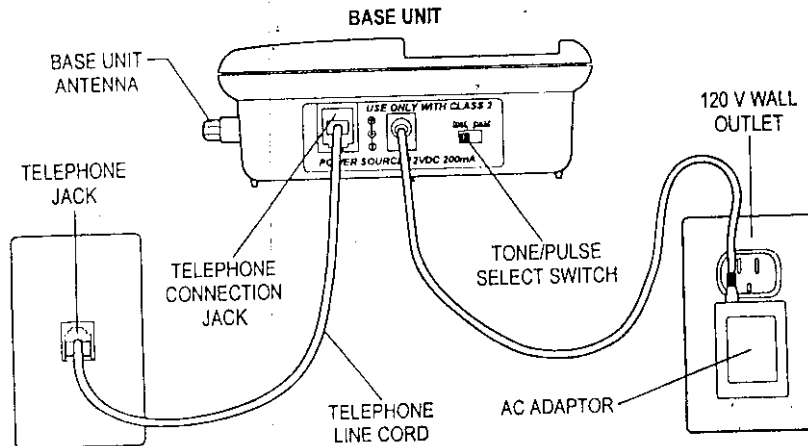
BASE UNIT

3. Insert the small plug on the end of the AC adaptor into the POWER-IN connection jack on the back of the BASE UNIT.
4. Plug the AC adaptor into a 120V AC wall outlet.
   ⚠ Use only with Class 2 Power Source 12V DC, 200mA.
5. Insert one plug of the TELEPHONE LINE CORD into the house TELEPHONE JACK and the other end into the telephone line jack at the back of the BASE UNIT. (If you have an older 4-prong telephone jack, you will need an RJ-11C TELEPHONE JACK ADAPTOR. This adaptor is available at the same place you purchased your telephone.)
6. Fully extend the antenna on the BASE UNIT for best reception.
7. To avoid possible interference, do not place this unit next to other elictrical appliances.
8. TONE/PULSE Select Switch:
   A. If your home is equipped with a Touch tone dialing system, set the TONE/PULSE select switch to the TONE position.
   B. If you have a rotary dialing system, set the TONE/PULSE select switch to PULSE position.
   C. If you are unsure which system you have, set the TONE/PULSE select switch to the TONE position. Press the (TALK) button on the HANDSET to get a dial tone, and press any key on the keypad except the zero. If the dial tone continues, it means that you do not have touchtone dialing service. Press the (TALK) button on the HANDSET to hang up. Set the TONE/PULSE select switch to the PULSE mode and then try again.

9
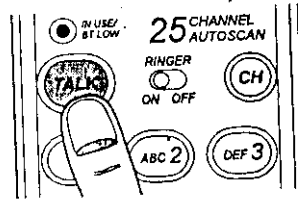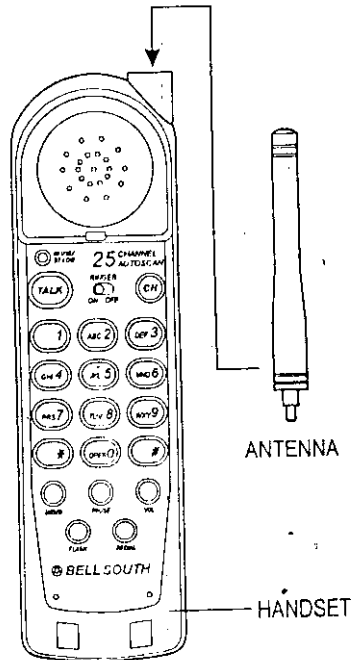
ANTENNA

HANDSET

Press the (TALK) button to confirm that you have a dial tone. If you do not get a dial tone, review steps 3 through 8. If you still have no dial tone, refer to the Problem Solving section on page 20.

9. Thread the RUBBER ANTENNA onto the HANDSET and turn it clockwise until it is secured.
10. Before initial use, charge the HANDSET for at least 12 hours.

You are now ready to use your new Bellsouth Telephone.

10

FCC ID: NS233012

Wall Mounting

Wall Mounting

You may choose to mount the BASE UNIT of your cordless telephone on a wall.

1. Find a suitable place to mount your BASE UNIT. Mark and drill 2 holes on the wall, 100 mm apart (use the wall mounting template on page 29 for your marking). Then fit wall plug, if necessary, and screws leaving approximately 5 mm clearance.

100 mm (3 ¹⁵/₁₆")

WALL PLUG

SCREW

5 mm
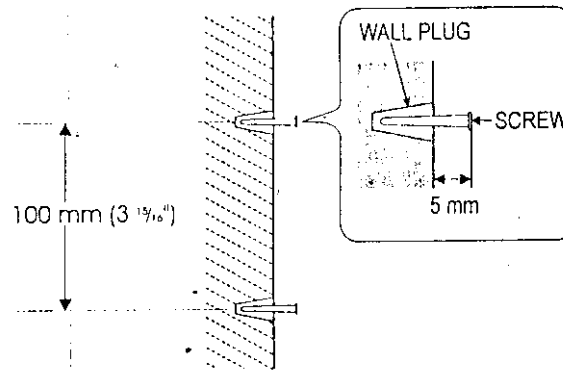
2. With the back of the BASE UNIT facing up, connect the TELEPHONE LINE CORD into the TELEPHONE LINE CORD JACK at the back of the BASE UNIT.

3. Insert the small plug on the end of the AC Adaptor into the POWER SOURCE connection jack at the back of the BASE UNIT.

4. Mount the BASE UNIT on the wall by hooking the two keyholes on the back of the BASE UNIT onto the wall screws. If necessary, remove the BASE UNIT from the wall to tighten the screws so that the BASE UNIT mounts securely to the wall.

5. Connect the other end of the TELEPHONE LINE CORD into your telephone jack.

6. Plug the AC Adaptor into a 120V AC wall outlet.

11

Basic Operation

Preparing for Use

Before you can use your cordless telephone, you must charge the HANDSET for 12 hours. Failure to do so will require recharging of the battery pack more often.

1. Place the HANDSET on the BASE UNIT for 12 hours.

2. After 12 hours, remove the HANDSET from the BASE UNIT.

3. FULLY EXTEND THE BASE UNIT ANTENNA FOR BEST RECEPTION.

Before you can use your cordless telephone, you must charge the HANDSET for 12 hours. Failure to do so will require more frequent charging of the battery pack. See page 18 for more information on the battery.

IMPORTANT

The AC ADAPTOR must always be plugged into an electrical outlet.

12

Receiving Calls

Receiving Calls with the HANDSET on the BASE UNIT

1. When the phone rings, lift the HANDSET.
   The IN USE LED indicator will light up.
   (NOTE: The HANDSET RINGER SWITCH
   must be in the "ON" position.)
2. Start your conversation.
3. To end your conversation, either press
   the (TALK) button or place the HANDSET
   on the BASE UNIT. If you place the
   HANDSET on the BASE UNIT charge
   cradle, you activate the automatic
   STANDBY feature.

Receiving Calls with the HANDSET off the BASE UNIT

1. When the phone rings, press the (TALK) button. The IN USE LED indicator will
   light up.
3. Start your conversation.
4. To end your conversation, either press (TALK) button or place the HANDSET on
   the BASE UNIT. If the HANDSET is placed on the BASE UNIT charge cradle, the
   automatic STANDBY feature is then activated.

   (NOTE: The BASE UNIT has no buzzer and does not ring when receiving an
   incoming call.)

NOTE:
Once the HANDSET is fully charged, it is operable for approximately 4 hours of
continuous talk use and approximately 5 days when the HANDSET is left off the
BASE UNIT in STANDBY mode with the RINGER SWITCH in the "ON" position,
depending on the frequency of use.

13

Placing Calls

Placing Calls
1. Press the (TALK) button. The IN USE LED indicator will light up.
2. Listen for a dial tone.
3. Dial the phone number.
4. When you have finished with your call, press the (TALK) button again. The IN USE LED indicator will turn off.
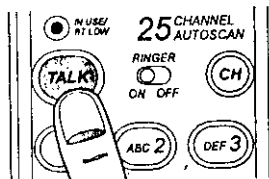
HANDSET Redial Feature
1. If you get busy tone, press the (TALK) button to hang up.
2. Later, press the (TALK) button again.
3. Listen for a dial tone.
4. Press the (REDIAL) button. This will automatically redial the last telephone number you called.
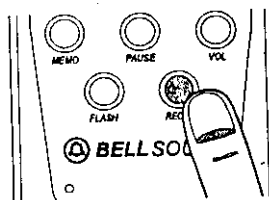
Volume Control
To change the volume from low to high, press and release (VOL) button.
Press and release again to change back to low.
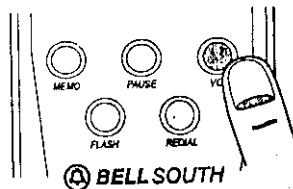
IMPORTANT
When you hear interference, press the CH button to change the operating channel

14

Storing Numbers

1. Be sure the BASE UNIT IN USE LED indicator is off and the HANDSET is in STANDBY mode (See special features section).
2. Press the (MEMO) button.
3. Dial the number you want to store.
4. Press the (MEMO) button again.
5. Dial the index number (0-9) where you want to store that number. You will hear one confirmation beep.
6. Write the name of the person you will be calling with that number index next to the corresponding index number on the telephone number card.
7. Repeat for other telephone numbers.
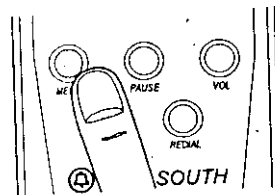
EXAMPLE : To store the number 703-1968 under the index number 1 on the keypad:

1 - Press the (MEMO) button.
2 - Dial 703-1968.
3 - Press the (MEMO) button again.

4 - Press 1 on the keypad.
5 - You have stored 703-1968 under key 1 on the keypad.

A total of 10 telephone numbers can be programmed in memory.

IMPORTANT: The maximum number of digits that can be stored for any phone number is 16 in pulse or tone mode. The maximum number of digits for mixed (tone and pulse in combination) dialing is 15. If you are using a switchboard system to access an outside line (such as an 8 or 9), press the (PAUSE) button to store a pause.

FCC ID: NS233012

Recalling Stored Numbers from Memory

1. Press the (TALK) button.
2. Press the (MEMO) button.
3. Press the index number for the number you have stored. The stored number will be dialed automatically.

EXAMPLE: To recall number 703-1968 stored under key 1 on the keypad:
   - Press the (TALK) button.
   - Press the (MEMO) button.
   - Dial 1.
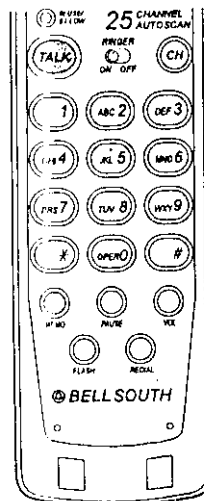
16

FCC ID: NS233012

Security System

Security System

Your cordless telephone uses a digital coding security system to prevent unauthorized use of your telephone line by another nearby cordless telephone. The system has its own identifying signal created by microcomputers in both the BASE UNIT and HANDSET.

Security Code

This telephone has an internal security code with 65,536 possible combinations. Each time you pick up the HANDSET, the code is randomly set to a new combination.

Resetting Security Code and Channel Information

Communication between HANDSET and BASE UNIT may not be possible in any of the following situations:
1. After a power failure.
2. After relocating the BASE UNIT by disconnecting the AC ADAPTOR.
3. After replacing the HANDSET battery.
To reset, place the HANDSET on the BASE UNIT for 2 to 5 seconds.

Multi-Channel Access

Your cordless telephone lets you select a channel from the 25 frequencies available to transmit signals between the BASE UNIT and HANDSET. When you notice interference from other cordless telephones, change to another channel by pressing the (CH) button on the HANDSET.

17

Recharging the Battery Pack

Battery Type
Use only the following type and size of battery pack:

Cordless Telephone Battery Pack
3.6V, 280mAh
U.S. Electronics Inc.
Ni-Metal Hydride Battery model B620

Ni-MH

This battery pack is available through:
**U.S. Electronics Service Center
105 Madison Avenue
New York, NY 10016
1-800-338-1694**

The B620 is interchangeable with the following battery packs available at several local and national retailers:
- Gemini Model TA 265
- Recoton Model T 115

Recharging the Battery Pack
The nickel metal-hydride (Ni-MH) battery pack in the HANDSET can be recharged many times using the built-in charger in the BASE UNIT.

When the battery is low, a "beep" sound will be heard every 15 seconds. This indicates that the battery pack needs to be recharged.

Charge the battery pack at least once every 90 days of non-use to avoid battery failure. When the battery pack can no longer be charged, replacement of the battery pack will be necessary.

The battery used in your telephone may develop a condition known as "MEMORY". Once subjected to a regular short discharging routine, the battery assumes the discharging pattern it was subjected to. This is known as a "MEMORY" condition which causes rapid discharging thereby shortening the battery charge span. If you believe your battery pack has developed a memory condition, do not charge the HANDSET until the BATTERY LOW indicator comes on. When it does come on, charge the HANDSET fully for 12 hours.

IMPORTANT

In order to get maximum life from the HANDSET battery, be sure to charge the HANDSET for 12 hours before initial use.

18

Changing the Battery Pack

The battery pack provides power for the HANDSET of your cordless telephone.

To Replace the Battery Pack:

1. Remove the HANDSET battery compartment cover by sliding it down.
2. Pull out the battery connector and remove the battery pack.
3. Plug the new battery pack into the battery connector.
4. Slide the HANDSET battery compartment cover firmly into place in its closed position.
5. Before use, charge the new battery pack for 12 hours.

ATTENTION:

The product that you have purchased contains a rechargeable battery pack. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery pack into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.
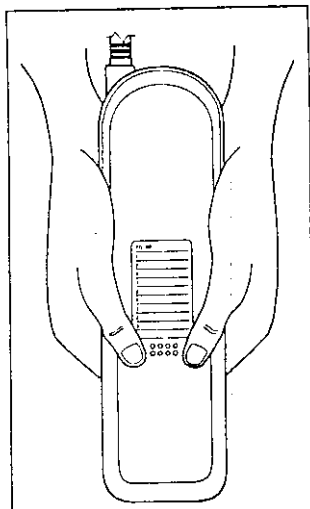
Remove the battery HANDSET compartment cover by sliding it down.

BATTERY CONNECTOR

BATTERY COMPARTMENT COVER

BATTERY PACK

19

3012p11.pm6   21   5/15/98, 6:15 PM

FCC ID: NS233012
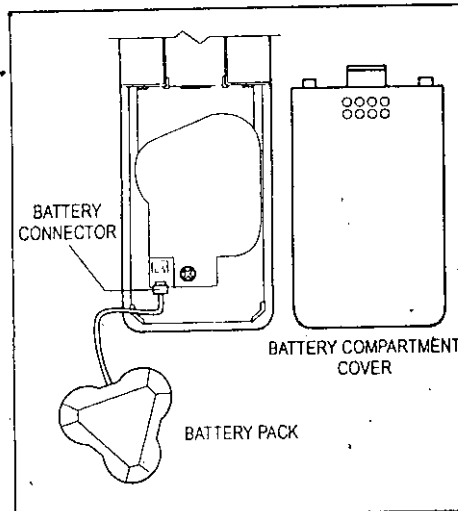
Problem Solving

Problem Solving Section
For your assistance, we have listed below a few common problems.

Phone does not work, check the following:
1. BASE UNIT is plugged into power source.
2. HANDSET is charged.
3. TONE/PULSE SWITCH is in the right position.
4. TELEPHONE LINE CORD is plugged into the telephone jack.

Range of phone limited, check the following:
1. ANTENNA on BASE UNIT is fully extended.
2. BASE UNIT is centrally located in your residence.
3. BASE UNIT is not located near appliances.

No dial tone, check the following:
1. Telephone plug is connected to the telephone line.
2. If you had a power failure or had unplugged the BASE UNIT, replace the HANDSET on the BASE UNIT for 2 to 5 seconds to reset the system.

Received signal flutters or fades, check the following:
1. Battery pack in HANDSET is fully charged.
2. HANDSET is not too far from the BASE UNIT.
3. ANTENNA on BASE UNIT is fully raised or repositioned.

Interference on reception, check the following:
1. Noise may be picked up from electrical products in the home or electrical storms. Generally, this noise is a minor annoyance and should not be interpreted as a defect in your system. (See Technical Information on page 22.)
2. Choose an alternate channel using the (CH) button on the HANDSET.

20

FCC ID: NS233012

Problem Solving

Excess static, check the following:
1. Check to see that the ANTENNA is not touching another metal object. Reposition the ANTENNA.

If after pressing the TALK button, you receive three beeps and no dial tone, check the following:
1. Reset the HANDSET by placing it on the BASE UNIT for 2 to 5 seconds.

NOTE: If none of the telephones in the house are working, disconnect one set at a time to verify that none of the phones are causing the problem. If you still have a problem after doing this and your telephone still does not work, please contact your local phone company.

IMPORTANT
When you hear interference,
press the CH button to change
the operating channel.

21

Technical Information

Technical Information

This cordless telephone uses radio frequencies to allow mobility. There are certain difficulties in using radio frequencies with a cordless telephone. While these are normal, the following could affect the operation of your system.

Noise

Electrical pulse noise is present in most homes at one time or another. This noise is most intense during electrical storms. Certain kinds of electrical equipment such as light dimmers, flourescent bulbs, motors, and fans also generate noise pulses. Because radio frequencies are susceptible to these noise pulses, you may occasionally hear them in your HANDSET. Generally they are minor annoyance and should not be interpreted as a defect in your system.

Range

Because radio frequency is used, the location of the BASE UNIT can affect the operating range. Try several locations in your home or office and pick the one that gives you the clearest signal to the HANDSET.

Interference

Electronic circuits activate a relay to connect the cordless telephone to your telephone line. These electronic circuits operate in the radio frequency spectrum. While several protection circuits are used to prevent unwanted signals, there may be periods when these unwanted signals enter the BASE UNIT. You may hear clicks or hear the relay activate while you are not using the HANDSET. If the interference occurs frequently, it can be minimized or eliminated by lowering the height of your base antenna or by relocating the BASE UNIT. You can check for interference before selecting the final BASE UNIT location by plugging in the phone.

NOTICE:

This cordless telephone uses radio communication between the HANDSET and the BASE UNIT and may not ensure privacy of communication. Other devices, including other cordless telephone, may interfere with the operation of this cordless telephone or cause noise during operation. Units not containing coded access may be accessed by other radio communication systems. Cordless telephones must not cause interference to any licensed radio service.

22

FCC ID: NS233012

FCC Requirements

Federal Communications Commission Requirements

This equipment complies with Part 68 of FCC Rules. A label on the BASE UNIT of this equipment contains, among other information, the FCC Registration Number and the Ringer Equivalence Number (REN) for this equipment. You must, upon request, provide this information to your telephone company.

The REN is also useful in determining the quantity of devices that you may connect to your telephone line and still allow these devices to ring when your telephone number is called. In most areas, but not all, the sum of the RENs for all devices connected to one line should not exceed five (5.0). To be certain of the number of devices that you may connect to your line, you should contact your local telephone company.

If your equipment should cause harm to the telephone network, the telephone company may temporarily disconnect your service. If possible, they will notify you in advance that temporary discontinuance of service may be required. However, when advance written notice is not possible, the telephone company may temporarily discontinue service without notice if such action is necessary under the circumstances. The telephone company may make changes in its communication facilities, equipment, operations, or procedures where such action is reasonably required in the operation of its business and is not inconsistent with the rules and regulations of the Federal Communications Commission. **Do not attempt to repair or modify this equipment.**

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

Some cordless telephones operate at frequencies that may cause interference to nearby TV's and VCR's. To minimize or prevent such interference, the base of the cordless telephone should not be placed on or near a TV or VCR. If interference is experienced, moving the cordless telephone farther away from the TV or VCR will often reduce or eliminate the interference.

This equipment should not be used on coin telephone lines. Connection to party line service is subject to state tariffs. If trouble is experienced, disconnect this equipment from the telephone line to determine if it is causing the malfunction. If the equipment is determined to be malfunctioning, its use should be disconnected until the problem has been corrected.

IMPORTANT

In order to get maximum life from the HANDSET battery, be sure to charge the HANDSET for 12 hours before initial use.

23

FCC Requirements

Federal Communications Commission Requirements (continued)

Note: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures.

1. Re-orient or relocate the receiving antenna.
2. Increase the distance between the equipment and the receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the reciever is connected.
4. Consult the dealer or an experienced radio / TV technician for help.

24

Warranty

Warranty Information

BellSouth Products
One-Year Limited Warranty

This limited warranty sets forth all **BellSouth Products** responsibilities regarding your product. There are no other expressed or implied warranties from **BellSouth Products**.

Warranty Service Provided

If you purchased the new telephone from a retail vendor, **BellSouth Products** warrants the telephone against defects in material and workmanship for a period of one (1) year from the original date of purchase. This warranty is in lieu of all other express warranties. This warranty begins when you purchase the telephone and continues for one(1) year unless you sell or rent the telephone, in which case the warranty stops.

BellSouth Products disclaims any implied warranty, including the warranty of merchantability and the warranty of fitness for a particular purpose, as of the date of 90 days from your original purchase of the telephone. **BellSouth Products** assumes no responsibility for any special, incidental, or consequential damages.

This warranty gives you specific legal rights and you may have other rights which vary from state to state. Some states do not allow the exclusion or limitations of special, incidental or consequential damages, or limitations on how long a warranty lasts, so the above exclusion and limitation may not apply to you.

Warranty Service Not Provided

This warranty does not cover damage resulting from accident, misuse, abuse, improper installation or operation, lack of reasonable care, unauthorize modification, the affixing of any attachment not provided by **BellSouth Products** with the telephone and/or loss of parts. This warranty is voided in the event any unauthorized person opens, alters or repairs the telephone. All **BellSouth** equipment being returned for repair must be suitably packaged. Telephone companies use different types of equipment and offer various types of services to customers. **BellSouth Products** does not warrant that this telephone is compatible with the type of equipment of any particular telephone company or the services provided by it.

25

Warranty

What to Do for Warranty Service

During the first thirty (30) days, a defective product is eligible for over-the-counter exchange at the retailer from whom it was purchased. After thirty (30) days, the defective product should be returned to the authorized service center. please allow 2-3 weeks for the return of your telephone product. The shipping address of the authorized service center is:

U.S. Electronics Service Center
105 Madison Avenue
New York, NY 10016

NOTE: A product received which was not made for **BellSouth Products** or which is not defective as determined by our test procedures will not be repaired and will be returned C.O.D., freight.

To Obtain Warranty Service

- Provide proof of the date of purchase within the package.
- Prepay all shipping costs to the authorized service center.
- Include a return shipping address within the package.

Please retain your sales receipt, the carton, the packing materials, and the printed material. The original carton is the best shipping container for the telephone should you have to return it.

For your reference:

Serial number _____

Date of Purchase _____

Name of Dealer _____

Customer Service Telephone Number:
1-800-338-1694
OUTSIDE THE U.S.A. CALL 1-212-242-6978

26

FCC ID: NS233012

Notes

Wall Mount Template
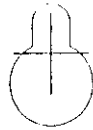
This page serves as a template for attachment of screws to the wall when mounting this telephone on the wall.

1. Cut out this page.

2. Use this template to determine the distance between screws when mounting this phone on the wall.
   The two cross hairs identify where to attach the screws.

FCC ID: NS233012
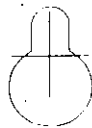
IMPORTANT

In order to get maximum life from the HANDSET battery pack, be sure to charge the HANDSET for 12 hours before initial use.

IMPORTANT

Placing your BASE UNIT near appliances such as televisions, refrigerators, radios, or microwave ovens may cause interference.

IMPORTANT

When you hear interference, press the **CH** button to change the operating channel.

IMPORTANT

The AC ADAPTOR must always be plugged into an electrical outlet.

IMPORTANT

To obtain the best reception, be sure to fully extend the BASE UNIT antenna.

IMPORTANT

If you live in an area which gets frequent thunderstorms, we strongly recommend plugging your AC adaptor into a surge protector.

STOP
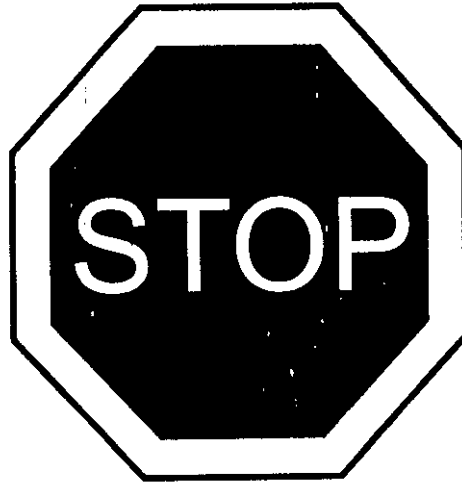
Make certain you receive the best performance from your telephone. Read this manual first.

(🔔) **BELL** SOUTH

33012A

Made in China

EXHIBIT 10
SECURITY CODE INFORMATION

10.0 Security code information

The telephone has an internal security code with 65,536 possible combinations. Each time you pick up the HANDSET, the code is randomly set to a new combination. The information from client is attached following this page.

GUANGDONG (BAO AN) COMMUNICATION CO., LTD.

Block 27, Chentian Industrial Park, Xixian, Baoan, Shenzhen, China
Tel. : (86) 755-790-6455, (86) 755-790-3955
Fax : (86) 755-790-5962

SECURITY CODE INFORMATION

The *33012* cordless telephone uses a digital coding security system to prevent unauthorized use of telephone line by other cordless phones nearby. It has 65,536 possible security code combinations. Each combination of the code is randomly generated every time the handset is picked up.

Communication between Handset and the Base unit may not be possible in any of the following situitions:

1. After a power failure.
2. After relocating the the Base unit by disconnecting the AC adaptor.
3. After replacing the Handset battery.
4. The Handset goes out of range from the Base unit.

To reset, place the Handset on the Base unit for 2 to 3 seconds.

FCC ID

FCC ID : NS233012

FCC ID: NS233012

INTERTEK TESTING SERVICES

EXHIBIT 11
AUTOMATIC CHANNEL SELECTION

11.0 Automatic Channel Selection

The mechanism of automatic channel selection is attached in the following page.

TALK MODE

HANDSET

BASE

START

START

Activate Talk Mode

RECEIVER SCAN FOR FREE CHANNEL

From last channel stored in the H/S memory
ex. 43.720 MHz

CH1 CH2 CH3 ... CH5 ... ... CH25

50ms

RECEIVER SCAN FOR FREE CHANNEL

From this channel (48.760MHz) ——

CH1 CH2 CH3 ... CH5 ... ... CH25

25ms

Stores all free channel into its memeory.

TRANSMIT TALK DATA AND FREE CHANNEL
DATA WHICH IS 43.720 MHz
It would continue sending data until it would
receive the acknowledgement code from base.
This would take <4 seconds and it would stop the
process, user must activate talk again.

→ 48.760 MHz (CH1)

RECEIVER RECEIVE DATA FROM
HANDSET

It would use 48.760 MHz (CH1) for the receive
frequency.

RECEIVE DATA FROM BASE. DATA INCLUDES
ACKNOWLEDGEMENT CODE AND CHANNEL
DATA WHICH IS 48.760 MHz (CH1).

← 43.720 MHz (CH1)

SEND ACKNOWLEDGEMENT AND CHANNEL
DATA USING 43.720 MHz
Channel data is 48.760 MHz (CH1)

SINCE IT HAS RECEIVED DATA FROM BASE
WITHIN THE SPECIFIED TIME OF 4 SECONDS,
IT WOULD STOP SENDING DATA .

IT WOULD THEN LINK WITH BASE

RX Frequency : 43.720 MHz (CH1)
TX Frequency : 48.760 MHz (CH1)

43.720 MHz (CH1)

48.760 MHz (CH1)

IT WOULD THEN LINK WITH HANDSET

TX Frequency : 43.720 MHz (CH1)
RX Frequency : 48.760 MHz (CH1)

END

END

25 CHANNEL - AUTOMATIC CHANNEL SELECTION MECHANISM
(MODEL: 33012)

TALK MODE

During the activation of talk, the handset receiver scan each channel from its last linked receiver channel for about 50ms, looking for free channel. Once a receiver found a free channel, the handset transmit talk instruction with receiver's free channel information to base to use this channel as a transmit channel.

Also, the base receiver scan for a clearest channel from channel 1 to 25 (25ms per channel). Once the base receiver received data from its handset during its scanning it will stop the scan and acknowledge data with its clearest receiver channel information then handset transmit and base receiver will change the channel to link. The handset and base unit's receiver scan and find separately their receiver's clearest channel. If all transmit channels of base and handset are occupied (all busy), handset and base will link at channel 16 (default channel).

Channel Number	Base Transmitter (MHz)	Handset Transmitter (MHz)
1	43.720	48.760
2	43.740	48.840
3	43.820	48.860
4	43.840	48.920
5	43.920	49.020
6	43.960	49.080
7	44.120	49.100
8	44.160	49.160
9	44.180	49.200
10	44.200	49.240
11	44.320	49.280
12	44.360	49.360
13	44.400	49.400
14	44.460	49.460
15	44.480	49.500
16	46.610	49.670
17	46.630	49.845
18	46.670	49.860
19	46.710	49.770
20	46.730	49.875
21	46.770	49.830
22	46.830	49.890
23	46.870	49.930
24	46.930	49.990
25	46.970	49.970

TALK MODE

CONDITION 2 : Multi channel on the base TX frequency are occupied.
Ex. CH 1: 43.720 MHz   CH 4 : 43.840 MHz
     CH 2: 43.740 MHz   CH 5 : 43.920 MHz
     CH 3: 43.820 MHz

CH 3: 43.820 MHz - Stored channel during the last link in handset memory

HANDSET   BASE

(START)   (START)

Activate Talk Mode

RECEIVER SCAN FOR FREE CHANNEL   RECEIVER SCAN FOR FREE CHANNEL
From last channel stored in the H/S memory   From this channel (48.760MHz)
ex. 43.820 MHz - Starts scanning here
CH1 CH2 CH3 ... CH5 ... ... CH25   CH1 CH2 CH3 ... CH5 ... ... CH25
50ms   25ms
X   X   X   X   X   X: Occupied channel   Stores all free channel into its memory.

TRANSMIT TALK DATA AND FREE CHANNEL   RECEIVER RECEIVE DATA FROM
DATA WHICH IS 46.970 MHz   HANDSET
It would continue sending data until it would
receive the acknowledgement code from base.   It would use 49.970 MHz (CH25) for the receive
This would take <4 seconds and it would stop the   frequency.
process, user must activate talk again.

        → 49.970 MHz (CH25) →

RECEIVE DATA FROM BASE. DATA INCLUDES   SEND ACKNOWLEDGEMENT AND CHANNEL
ACKNOWLEDGEMENT CODE AND CHANNEL   DATA USING 46.970 MHz (CH 25)
DATA WHICH IS 49.970 MHz (CH25).   Channel data is 49.970 MHz (CH25)

        ← 46.970 MHz (CH25) ←

SINCE IT HAS RECEIVED DATA FROM BASE
WITHIN THE SPECIFIED TIME OF 4 SECONDS,
IT WOULD STOP SENDING DATA .

IT WOULD THEN LINK WITH BASE   IT WOULD THEN LINK WITH HANDSET

RX Frequency : 46.970 MHz (CH25)   TX Frequency : 46.970 MHz (CH25)
TX Frequency : 49.970 MHz (CH25)   RX Frequency : 49.970 MHz (CH25)

        ← 46.970 MHz (CH25) ←
        → 49.970 MHz (CH25) →

(END)   (END)

TALK MODE

CONDITION 3   : Multi channel on the Handset TX frequency are occupied.

       Ex. CH 1: 48.760 MHz   CH 4 : 48.920 MHz

           CH 2: 48.840 MHz   CH 5 : 48.020 MHz

           CH 3: 48.860 MHz

CH 3: 43.820 MHz - Stored channel during the last link in handset memory

HANDSET	BASE
START	**START**
Activate Talk Mode	
RECEIVER SCAN FOR FREE CHANNEL From last channel stored in the H/S memory ex. 43.820 MHz - Starts scanning here CH1 CH2 CH3 ... CH5 ... ... CH25 50ms	**RECEIVER SCAN FOR FREE CHANNEL** X X X X X X : Occupied Channel CH1 CH2 CH3 ... CH5 ... ... CH25 25ms Stores all free channel into its memory.
TRANSMIT TALK DATA AND FREE CHANNEL DATA WHICH IS 43.820 MHz It would continue sending data until it would receive the acknowledgement code from base. This would take <4 seconds and it would stop the process, user must activate talk again.	**RECEIVER RECEIVE DATA FROM HANDSET** It would temporarily use 48.860 MHz (CH3) for the receive frequency. It would choose any free channel nearest to the current channel (48.860 MHz) which is stored in its memory. Ex. 49.970 MHz
RECEIVE DATA FROM BASE. DATA INCLUDES ACKNOWLEDGEMENT CODE AND CHANNEL DATA WHICH IS 49.970 MHz (CH25).	**SEND ACKNOWLEDGEMENT AND CHANNEL DATA USING 43.820 MHz (CH 3)** Channel data is 49.970 MHz (CH25)
Since it has receive data from base within the specified time of 4 seconds, it would stop sending data and changes its TX frequency to 49.970 MHz (CH25).	It would change the receiver frequency base from the selected stored channel (49.970 MHz)
IT WOULD THEN LINK WITH BASE RX Frequency : 46.970 MHz (CH25) TX Frequency : 49.970 MHz (CH25)	**IT WOULD THEN LINK WITH HANDSET** TX Frequency : 46.970 MHz (CH25) RX Frequency : 49.970 MHz (CH25)
END	**END**

Inter-block labels:

48.860 MHz (CH3)

Note:
if the RF level of the occupying device is stronger, the base could not recognize the data transmitted. Then it will not link.

43.820 MHz (CH3)

46.970 MHz (CH25)

49.970 MHz (CH25)

TALK MODE

CONDITION 4 : Multi channel on the Base TX and Handset TX frequency are occupied.

Ex. CH 1: 48.760 MHz   CH 4 : 48.920 MHz   CH 21: 49.830 MHz   CH 24: 49.990 MHz
    CH 2: 48.840 MHz   CH 5 : 48.020 MHz   CH 22: 49.890 MHz   CH 25: 49.970 MHz
    CH 3: 48.860 MHz   CH 23: 49.930 MHz

CH 3: 43.820 MHz - Stored channel during the last link in handset memory

HANDSET	BASE
START	**START**
Activate Talk Mode	
RECEIVER SCAN FOR FREE CHANNEL From last channel stored in the H/S memory ex. 43.820 MHz - Starts scanning here CH1 CH2 CH3 ... CH5 ... CH25 50ms X X X X X X : Occupied Channel	**RECEIVER SCAN FOR FREE CHANNEL** X X X X X CH1 ... ... CH21 ... ... CH25 25ms X : Occupied channel Stores all free channel into its memory.
TRANSMIT TALK DATA AND FREE CHANNEL DATA WHICH IS 46.970 MHz It would continue sending data until it would receive the acknowledgement code from base. This would take <4 seconds and it would stop the process, user must activate talk again.	**RECEIVER RECEIVE DATA FROM HANDSET** It would temporarily use 49.970 MHz(CH25)for the receive frequency. It would choose any free channel nearest to the current channel (49.970 MHz) which is stored in its memory. Ex. 49.875MHz

49.970 MHz (CH25)

Note:
If the RF level of the occupying device is stronger, the base could not recognize the data transmitted. Then it will not link.

RECEIVE DATA FROM BASE. DATA INCLUDES ACKNOWLEDGEMENT CODE AND CHANNEL DATA WHICH IS 49.875 MHz (CH20).	**SEND ACKNOWLEDGEMENT AND CHANNEL DATA USING 46.970 MHz (CH 25)** Channel data is 49.875 MHz (CH20)

46.970 MHz (CH25)

Since it has receive data from base within the specified time of 4 seconds, it would stop sending data and changes its TX frequency to 49.875 MHz (CH20).	It would change the receiver frequency base from the selected stored channel, 49.875 MHz CH20.

IT WOULD THEN LINK WITH BASE RX Frequency : 46.730 MHz (CH20) TX Frequency : 49.875 MHz (CH20)	**IT WOULD THEN LINK WITH HANDSET** TX Frequency : 46.730 MHz (CH20) RX Frequency : 49.875 MHz (CH20)

46.730 MHz (CH20)

49.970 MHz (CH25)

END	**END**

TALK MODE

CONDITION 5 : All TX channels of Handset and Base are occupied (All Busy)

CH3 : 43.820 MHz - Stored channel during the last link in Handset memory.

HANDSET

BASE

```
( START )                                    ( START )
    |                                            |
    v                                            |
[ Activate Talk Mode ]                           |
    |                                            v
    v                                   RECEIVER SCAN FOR FREE CHANNEL
RECEIVER SCAN FOR FREE CHANNEL          From this channel (48.760MHz)
From last channel stored in the H/S     X  X  X  X  X  X  X  X      X
memory                                  CH1 CH2 CH3 ... CH5 ... ... ... CH25
  ex. 43.720 MHz                        |--|
CH1 CH2 CH3 ...  CH16 ... ... ... CH25  25ms                X : Occupied channel
 X  X  X   X   X X  X  X  X  X  X        Stores all free channel into its memeory.
 50ms            X : Occupied channel
```

TRANSMIT TALK DATA AND FREE CHANNEL
DATA WHICH IS 46.610 MHz
It would continue sending data until it would
receive the acknowledgement code from base.
This would take <4 seconds and it would stop the
process, user must activate talk again.

— 49.670 MHz (CH16) →

RECEIVER RECEIVE DATA FROM
HANDSET

It would use 49.670 MHz (CH16) for the receive
frequency.

RECEIVE DATA FROM BASE

← 46.610 MHz (CH16) —

SEND ACKNOWLEDGEMENT

IT WOULD THEN LINK WITH BASE

RX Frequency : 46.610 MHz (CH16)
TX Frequency : 49.670 MHz (CH16)

← 46.610 MHz (CH16) —

→ 49.670 MHz (CH16) →

IT WOULD THEN LINK WITH HANDSET

TX Frequency : 46.610 MHz (CH16)
RX Frequency : 49.670 MHz (CH16)
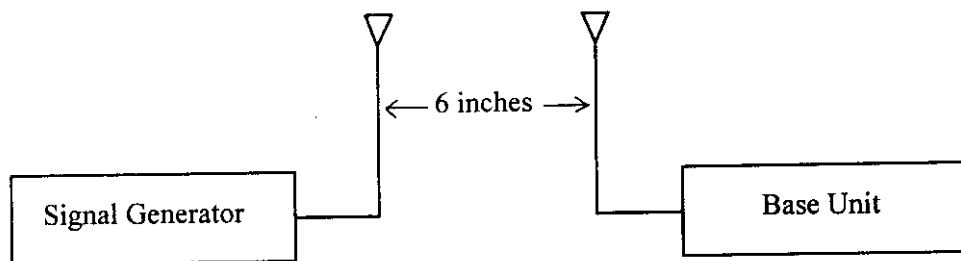
(END)   (END)

33012 AUTOMATIC CHANNEL SELECTION

The following tests were performed to show the incorporation of automatic channel selection.

Equipment Used to Perform Tests

- JUNGJIN JSG-1051B Signal Generator
  Interference Signal 1KHz, 5KHz deviation

Test Set-Up

```
                        ▽              ▽
                        |←— 6 inches —→|
                        |              |
   ┌──────────────────┐ |              | ┌──────────────────┐
   │                  │ |              | │                  │
   │ Signal Generator │─┘              └─│    Base Unit     │
   │                  │                  │                  │
   └──────────────────┘                  └──────────────────┘
```

Test Procedures

1. Set signal generator at a certain channel (e.g. channel 1), then turn the generator off.

2. Turn on the phone, set the phone at the same channel as in step 1, then turn off the phone.

3. Turn on the signal generator.

4. Turn on the phone, investigate and record the locked channel. If scan functions correctly, it will lock to any channel, but not the one in step 1.

5. Repeat Step 1-4 for 25 channels

Test Results

INTERFERENCE CHANNEL AT	PHONE PRE-SET CHANNEL AT	PHONE AUTO-SCAN TO CHANNEL AT -13 dBm
1	1	2
2	2	3
3	3	4
4	4	5
5	5	7
6	6	7
7	7	8
8	8	9
9	9	10
10	10	11
11	11	12
12	12	14
13	13	14
14	14	15
15	15	16
16	16	17
17	17	18
18	18	19
19	19	20
20	20	22
21	21	22
22	22	23
23	23	24
24	24	25
25	25	1

Summary

The phone under test has an automatic selection mechanism that will prevent establishment of a link on any occupied frequency channel.