

USER'S MANUAL

(IMPORTANT SAFETY INSTRUCTIONS & FCC NOTICE)

✓ **IMPORTANT SAFETY INSTRUCTIONS**

When using your telephone equipment, basis safety precautions should always be followed to reduce the risk of life 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 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 bathtub, washbowl, 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 provide for ventilation, to protect it from overheating. These openings should never be blocked or covered. The opening should never 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 by persons walking on it.*
9. *Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.*
10. *Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a of fire or electric shock. Never spill liquid of any kind on the product.*
11. *To reduce the risk of electric shock, do not disassemble this product, but take it to a qualified service contractor when some service or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.*
12. *Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:*
 - A. *When the power supply cord or plug is damaged or frayed.*
 - 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 instruction. Adjust only those control that are covered by the operating instructions. Improper adjustments of other*

controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

E. If the product has been dropped or the cabinet has been damaged.

F. If the product exhibits a distinctive change in performance.

13. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

14. Do not use the telephone to report a gas leak in the vicinity of the leak.

FCC (Federal Communications Commission) NOTICE

The FCC requires that you be advised of certain requirements involving the use of this telephone

1. This equipment complies with Part 68 of the FCC rules. On the bottom of this equipment is a label that contains, among other information, the FCC registration number and Ringer Equivalence Number (REN) for this equipment. If requested, provide this information to your telephone company.
2. The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your number is called. In most, but not all areas, the sum of the (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should call your local telephone company to determine the maximum REN for your calling area.
3. If your telephone causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. You will be advised of your right to file a complaint with the FCC.
4. Your telephone company may make change to its facilities, equipment, operations or procedures that could affect the proper operation of your equipment. If they do, you an opportunity to maintain uninterrupted service.
5. If you experience trouble with the telephone, please contact BELCO International Co. for repair warranty information. The telephone company may ask you to disconnect this equipment from the network until the problem has been corrected or you are sure that the equipment is not malfunctioning.
6. This equipment may not be used on coin service provided by the telephone company. Connection to part lines is subject to state tariffs. (Contact your state public utility commission or corporation commission for information.)

NOTE: The manufacturer is not responsible for any unauthorized modification to this equipment. Such modification could void the user's authority.

SAFETY INFORMATION FOR RS4200

Your cordless telephone contains a low power transmitter.

When the Push-to Talk button is pushed it sends out radio frequency (RF) signals.

This device is authorized to operate at a duty factor not to exceed 50% in August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless devices.

CAUTION : To maintain compliance with the FCC's RF exposure guidelines, hold the transmitter and antenna at least 0.5 inches (1.25 centimeters) from your face, with the antenna pointed up and away from the face, if you wear the handset on your body while using the headset accessory, use only the manufacturer's supplied belt clip for this product and ensure that the antenna is at least 1 inch (2.5 centimeters) from your body when transmitting.

Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.

When the cell phone and the cordless handset are in operation, you must maintain a 20 cm distance from the base unit in order to comply with the RF exposure requirements.

✓ **IMPORTANT**

Read this manual before attempting to setup or use this instrument. It contains important Information regarding safe installation and use. Keep this manual for future reference. Also save the carton, packing and proof of purchase to simplify and accelerate any needed action.

✓ **WARNING**

To prevent fire or shock hazard, do not expose this product to rain or any type of moisture. If accidentally dropped into water, this product should immediately be unplugged from the AC outlet and telephone wall jack.



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE OWNER'S MANUAL.

☞ **INSTALLATION PRECAUTION**

- 1. Never install telephone wiring during a lightning storm.*
- 2. Never install telephone jacks in wet locations unless the jack is specially designed for wet locations.*
- 3. Never touch insulated telephone wireless or terminals unless the telephone line has been disconnected at the network interface.*
- 4. Use caution when installing or modifying telephone lines.*

☞ **MAINTENANCE**

- 1. Use a damp cloth to the plastic cabinet. A mild soap will help to remove grease or oil. Never use polish, solvents, abrasives or strong detergents since these can damage the finish.*
- 2. Your phone should be situated away from heat sources such as radiators, heater, stoves or Any other appliance that produces heat.*

☞ **CAUTION**

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

- 1. Use only the following type and the size battery :
600mAh, 3.6V (AAA Ni-MH 600Ma/3.6V, or equivalent)*
- 2. Do not dispose of the battery in a fire. The cell may explode. Check with local codes for possible special disposal instructions.*
- 3. Do not open or mutilate the battery. Released electrolyte is corrosive and may be toxic if swallowed.*
- 4. Exercise care in handling in order not to short the battery with conducting material such as rings, bracelets and keys. The battery or conductor may overheat and cause burns*

5. *Recharge only the battery type that is provided with or identified for use with this product. If a different type of battery is used, it may leak or explode.*
6. *Do not attempt to rejuvenate the battery provided with or identified for use with this product by heating them. Sudden release of the battery electrolyte may occur, causing burns or irritation to eyes or skin.*
7. *When inserting the battery into this product, the proper polarity or direction must be observed. Reverse insertion of battery may result in leakage or explosion.*
8. *Remove the battery from this product if the product will not be used for a long period of time (several months or more) since during this time they could leak in the product.*
9. *Discard the "dead" battery as soon as possible since "dead" battery are more likely to leak in a product.*
10. *Do not store this product, or the battery provided with or identified for use this product, in high-temperature areas. Battery that are stored in a freezer or refrigerator for the purpose of extending shelf life should be stabilized at room temperature prior to use after cold storage.*
11. *Always disconnect all telephone line cords from the wall modular jacks before installing or replacing the battery.*

CARTON CONTENTS

- ☐ *S4200 BASEUNIT and HANDSET & CELLULAR CRADLE units*
- ☐ *120V / 60Hz DC 9V 500mA/150mA Dual ADAPTOR*
- ☐ *120V / 60Hz DC 9V 100mA ADAPTOR *option*
- ☐ *EAR-PHONE with MICROPHONE * option*
- ☐ *User's Manual, Warranty and Safety Information*
- ☐ *NI-MH 3.6V/600mA BATTERY*
- ☐ *TELEPHONE LINE CORD*

☛ **DIGITAL SPREAD SPECTRUM TECHNOLOGY**

The S4200 features digital Spread Spectrum Technology (DSST) which virtually eliminates noise and other interference while greatly increasing operating range. DSST uniformly spreads the signal over one of 40 independent frequency ranges, or channels, for maximum range and clarity.

The Baseunit and Handset share a pre-assigned digital code which interfering signals do not have, so any Noise gets filtered out and the user enjoys reliable, crystal-clear sound quality.

☛ **SPREAD SPECTRUM TECHNOLOGY ADVANTAGES**

***Smart Channel Hopping** - During operation, the S4200 constantly monitors the transmission for interference. If interference is detected, the phone automatically scans for and hops to the next clear channel. This hopping is instant and does not interrupt normal conversation.*

***Maximum Security** - The security code is changed every, selected from one of 2^{24} million different codes making interception virtually impossible.*

***3 Level Power Output** - The S4200 constantly monitors the strength of the signal from the Handset to the Baseunit, selecting one of three transmission power levels for maximum range and extended battery life.*

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Purpose of this document

The purpose of this document is to describe the specifications and the MMI of the product for engineering purpose. It includes information about:

- ☞ Hardware and software features
- ☞ User interface description

Feature list

General Features

Feature list		
Handset	Memo dialing	20 num
	Phone number	16 digits
	Name	16 char
	Predialing	Yes
	Redial	32 digits
	Pause	2 sec
	Flash	600 msec
	Pulse dial	10pps
	DTMF tone dial	100msec-continuous
	Any-key answer	No
	Auto standby	Yes
	Intercom	Yes
	Hearing Aid compatible	Yes
	Volume Control	3-level (4 step)
	Headset jack	Yes
	Ringer volume control	Off-low-high
	Ringer tone select (PSTN)	3 ringer tone
	Ringer tone fixed (Cellular)	1 ringer tone
	LCD	4 line * 16 characters, dot matrix
	LCD backlight	Yes (green)
	Key backlight	Yes (green)
	Super sleep	Yes
	My area code	Yes
	Time and date setting	Yes
	Handset Number setting	Yes
	Call transfer	Yes
	LED	
	VMWI (RED) – FSK only	Yes
Base	Dial keypad	Yes
	Memo dialing	20 num (16 digits)
	Redial	32 digits
	Pause	2 sec
	Flash	600 msec
	Pulse dial	10pps
	DTMF tone dial	100msec-continuous
	Mute	Yes
	Intercom	Yes
	Speaker phone	Yes
	Tone/pulse sw	Yes
	Sp volume control	3 level (4 step)
	Ringer volume control	Off-Low-High
	Ringer tone select (PSTN)	3 Ringer tone
	Ringer tone fixed(Cellular)	1 Ringer tone
	Para detect	Yes (Cellular/PSTN)
	LED	
	Status(Red)	Yes
	Speaker (Red)	Yes
	VMWI (Red)	Yes
	Land (Red)	Yes
	Mobile(Red)	Yes
CID	Call waiting	Yes

	CID Memory	50 records
	VMWI – FSK only	Yes
	CID Callback	Yes
Registration	Multi-Handset	Yes

Handset description

Key map in handset

SEL	UP	CLR/Exit
CEL	DOWN	TALK
1	2	3
4	5	6
7	8	9
*	0	#
←		→
RE/PA	MEM	INT/XFER
	FLASH	

KEY	Action					
	Standby mode	Predialing mode	Talk mode	CID review mode	Memory review mode	Function mode
SEL	Enter user setting mode	Nothing	Nothing	Enter the CID menu	Enter the Memory menu	Selection
TALK	Seize the PSTN	Make a call using predialed number via PSTN	Hang up	Make a call using CID number via PSTN	Make a call using Memory number via PSTN	Nothing
CEL	Nothing	Make a call using predialed number via Cellular	Hang up	Make a call using CID number via Cellular	Make a call using Memory number via Cellular	Nothing
UP	Enter the CID review mode	Nothing	Volume up	Scroll CID list	Scroll Memory list	Scroll
DOWN	Enter the CID review mode	Nothing	Volume down	Scroll CID list	Scroll Memory list	Scroll
CLR	Clear dial number in predialing	Delete one digit	Nothing	Delete one digit in CID edit mode	Delete one digit in edit mode	Nothing
EXIT long press	Nothing	Go to standby mode	Nothing	Go to standby mode	Go to standby mode	Go to standby mode
MEM	Enter the Memory review mode	Nothing	Nothing	Save CID to Memory	Exit Memory review mode	Nothing
FLASH	Registration to base	Flash function	Flash	Nothing	Nothing	Nothing
INT/XFER	Intercom mode	Nothing	Transfer	Nothing	Nothing	Nothing

LED in handset

LED	Meaning
VMWI	If received VMWI from PSTN, Flashing

LCD in handset

4 line * 16 char. With one icon line. Dot matrix

Full screen	Standby mode
1234567890123456 1234567890123456 1234567890123456 1234567890123456	12:30pm 10/12 H1 New : 02 Total : 10
Talk via PSTN	Talk via Cellular
Talk via TEL 00:02 82322340700 Volume : Medium	Talk via CEL 00:01 82322340700 Volume : Medium
Received Caller ID from PSTN	Received Caller ID from Cellular
John Smith 1-032-234-0700 (TEL) R02	John Smith 1-032-234-0700 (CEL) R02
Caller ID review mode	Memory review mode
10:25am 10/08 N02 John Smith 1-032-234-0700 (TEL) R02	► 01.MARK TAILER 1-032-234-0701 02.John Smith 032-234-0700

In standby mode, LCD is displayed as following

- ☞ Current time and date : HH:MM am/pm MM/DD
- ☞ New Caller id counter
- ☞ Total Caller id counter
- ☞ Handset number :H1

LCD description

- ☞ **N** : New call indication
- ☞ **(TEL)** : Telephone mode or call from PSTN
- ☞ **(CEL)** : Cellular mode or call from Cellular
- ☞ **R02** : The number of calls is 2 (Repeated indication)

Base description

Key map in base

MEM	RING	INT		
1	2	3		
4	5	6		
7	8	9	VOL UP	
*	0	#	VOL DOWN	
CEL	MUTE	RE/PA	FLASH	TEL

KEY	Action		
	Standby mode	Talk mode	Memory mode
RING	Enter the ringer setting mode	Nothing	Noting
TEL	Go in speaker mode via TEL	Hang up	Go in dial back
VOL_UP	Ringer volume up	Speaker Volume up	Nothing
VOL_DOWN	Ringer volume down	Speaker Volume down	Nothing
MEM	Enter the Memory mode	Memory Dial is out	Exit Memory mode
FLASH	Registration to base	Flash	Flash
INT	Intercom mode	Transfer the call	Nothing
CEL	Enter the predialing mode via Cellular	Hang up	Nothing

Led in base

LED	Meaning	
	Flashing	Steady on
Telephone	Incoming ring, hold, mute	Service mode
Cellular	Incoming ring, hold, mute	Service mode
VMWI	VMWI indication	Nothing
Docking On/Off	Docking on but no service mode	Cellular service mode
Status	On registration, Intercom, paging	Charging

User Interface in HANDSET

Call User Interface

Making a call via Telephone line

Dial a number followed by **TEL** or press **TEL** first and then dial a number

The display shows as like 2.2.2 LCD in handset

Making a call via Cellular line

Dial a number followed by **CEL**

The display shows as like 2.2.2 LCD in handset

Receive a PSTN call

Press **TEL** key to answer. Autotalk is not available.

The display shows as like 2.2.2 LCD in handset

Receive a Cellular call

Press **CEL** key to answer. Autotalk is not available.

The display shows as like 2.2.2 LCD in handset

Ending a call

Return the handset to the cradle, press **TEL**, or **CEL**

*The display keeps the duration of talk time for 3 sec after it is hung up. (The counter stops when it is hung up)

*Counter is displayed as follows 00:00 (MM:SS, MM is minutes and SS is second, if reached 59 minutes and 59 seconds, then return to zero time as 00:00)

Pause function

A 2 second PAUSE may be inserted into the memory dialing. Press **RE/PA** at required point during storage of number in memory or dialing.

Redial function

The last number dialed (up to 32 digits) are stored in redial memory until another number is dialed. Next pressure of **RE/PA** activate the pause function.

☞ Press **TALK**

☞ Press **RE/PA**

Or,

☞ Press **RE/PA**

☞ Press **TALK** or **CEL**

Call transfer

When you wish to transfer an external call to another extension

- ☞ Press **INT** and the desired number during call
- ☞ The external call is put on hold and the destination party is ringing for 10 seconds.
- ☞ When the destination party does not answer, the origination party is ringing for 10 seconds
- ☞ When the origination party does not answer, the all of the parties are ringing for 10 seconds
- ☞ If the any handset does not pick up, the external call is dropped.

Internal call

- ☞ Press **INT** in standby mode
- ☞ Enter the number of internal handset (0 to 3, 0 is base call)

Call switching

When received Incoming ring from **CEL/TEL** during **TEL/CEL** talk mode, user can select the choice the following methods

1. Press **CEL/TEL**, and hold the current talk and seize the new call
2. Press **TEL/CEL**, and drop the current talk and seize the new call

If user want to toggle conversation between **CEL** and **TEL**, than can select the choice the following methods,

1. Press **CEL** to seize the held cellular call, and the tel call goes to hold mode and connect the cellular call.
2. Press **TEL** to seize the held tel call, and the cellular call goes to hold mode and connect the tel call
3. Press **CEL** to seize the held tel call, and the cellular call is dropped and connect the tel call
4. Press **TEL** to seize the cellular call, and the tel call is dropped and connect the cellular call

- ☞ If cellular call is dropped by external party , tel call is connected directly.

Caller ID (CLID) Features

General Features

This phone supports CLIP FSK. When the telephone rings, the caller id feature allows you view the caller's name and phone number on the display before you answer the phone. Once the caller ID information is stored, the handset displays the phone number of the incoming call, the name, time, coming from cellular/telephone and the number of calls. Additionally, you can dial the displayed number and store the information for memory dialing. Received 10 digits numbers matching the my area code should display as 7-digit numbers with the area code "stripped"

Note : Caller identification is only available if you have subscribed to this service with your network operator.

Caller ID display

During the incoming alert, the CLIP information is displayed if they are provided.

Display is:

- ☞ Calling name if it is transmitted
- ☞ Calling number

- ☞ The number of calls
- ☞ Coming from Cellular / Telephone

New call from telephone

12:20PM 10/10 NO1
John Smith
1-032-234-0700
(TEL)

Repeated call from telephone

12:20PM 10/10 NO1
John Smith
1-032-234-0700
(TEL) R02

The following special network messages are managed and displayed at the place of calling number

Message	Meanings
Private Name	When a private name is received
Private Number	When a private number is received
Unknown Name	When an unknown name is received
Unknown Number	When an unknown number is received
Incomplete Data	When invalid data is received

Call waiting(Type II) - TBD

Press **FLASH** to pick up the second call (the first call is put on hold)

Press **FLASH** again to go back to the first call

*This service is only same service mode. If connect PSTN and second call is alerting from Cellular, then you can choice one of below methods,

1. Press **CEL** to hold the PSTN call and answer the Cellular call
2. Press **TEL** to drop the PSTN call and answer the Cellular call

VMWI service

This phone support Visual Message Waiting Indication (VMWI). When VMWI indication is received, the VMWI LED is flashing.

*This service is only available if you have subscribed with your network operator.

Caller ID list

The caller id list stores information for up to 50 incoming calls –even unanswered calls.

Size of storage:

- ☞ The caller number (16 digits)
- ☞ The caller name (16 chars.) if the network send it
- ☞ The date and time of receiving
- ☞ The number of calls for this number (up to 99)

☞ Coming from Cellular/Telephone

To retrieve the entries:

In the stand by mode, the display shows how many new call logs in the memory.

- ☞ Press **UP** or **DOWN**, the display shows cal log
- ☞ Scroll through the calls using the **UP** to show the newest call log
- ☞ Scroll through the calls using the **DOWN** to show the oldest call log

Display is:

- Date and time of received (1st line in LCD)
- Calling number (3rd line in LCD, left justified)
- Calling name if it is transmitted (2nd line in LCD, left justified)
- The number of calls (4th line in LCD)
- Coming from Cellular / Telephone (4th line in LCD)
- New call indication in case of new call (1st line in LCD)

To make a call by using call logs

- ☞ Press **SEL** in CID review mode
- ☞ Scroll the menu using **UP** or **DOWN**
- ☞ Press **SEL** the menu you want
- ☞ Scroll the dial number using **UP** or **DOWN**
- ☞ Press **TALK** to make a call using the selected number via PSTN
- ☞ Press **CEL** to make a call using the selected number via PSTN

12:20PM 10/10 N01
John Smith
1-032-234-0700
(TEL) R02

► Talk
Save
Delete
Delete All

Dial Number?
► 234-0700
032-234-0700
1-032-234-0700


To delete entry

- ☞ Press **SEL** in CID review mode
- ☞ Scroll the menu using **UP** or **DOWN**
- ☞ Press **SEL** the menu you want
- ☞ Press **SEL** to delete this call log
- ☞ Press **CLR** to go to the previous menu

12:20PM 10/10 N01
John Smith
1-032-234-0700
(TEL) R02

Talk
Save
► Delete
Delete All

Delete?




 Generated the confirmation tone

Deleted



To delete All

.



12:20PM 10/10 N01
John Smith
1-032-234-0700
(TEL) R02

-  Press **SEL** in CID review mode
-  Scroll the menu using **UP** or **DOWN**
-  Press **SEL** the menu you want

Talk
Save
Delete
▶ Delete All

-  Press **SEL** to delete all call log
-  Press **CLR** to go to the previous menu

Delete?




-  Generated the confirmation tone
-  Go to the standby mode

Deleted



To save call log to memory

.



12:20PM 10/10 N01
John Smith
1-032-234-0700
(TEL) R02

-  Press **SEL** in CID review mode
-  Scroll the menu using **UP** or **DOWN**
-  Press **SEL** the menu you want



Talk
▶ Save
Delete
Delete All

-  Select location using **UP** or **DOWN**
-  Press **SEL**

▶ 01.MARK TAILER
1-032-234-0700
02.TOM HANGKS
032-234-0701

-  Edit the name or keep the name
-  Press **SEL**

Name?
John Smith■

-  Edit the number or keep the number
-  Press **SEL**

Number?
1-032-234-0700■

Generated the confirmation tone.

Saved

Location 01

- Locations that already have memory shows the name in the location(if there is no name but number, then shows number instead.) If there is no memory in the location, then shows blank.
- If there is a memory in the location selected, the new memory overwrite the old.

Memory Features

The memory contains up to 20 names of 16 char. Max. numbers of 16 digits.

To review a memory

☞ Press **MEM** in standby-mode It always shows memory “01”first. If there is no memory, the display shows as blank.

☞ Scroll using **UP** or **DOWN**

☞ Select location using **UP** or **DOWN**

☞ Press **SEL**

► 01.John Smith
1-032-234-0700
02.MARK TAILER
932-234-0700

► 02.MARK TAILER
932-234-0700
03.
979-554-7205

The keypad characters are as followings:

KEY	1st	2nd	3rd	4th	5th	6th	7th	8th	9 th
1	space	1							
2	A	B	C	2					
3	D	E	F	3					
4	G	H	I	4					
5	J	K	L	5					
6	M	N	O	6					
7	P	Q	R	S	7				
8	T	U	V	8					
9	W	X	Y	Z	9				
0	“	0	-	.	,	:	‘	?	!
0 continued	/	()	&	@				

Save a new entry

☞ Press **MEM** in standby-mode It always shows memory “01”first. If there is no memory, the display shows as blank.

☞ Scroll using **UP** or **DOWN**

☞ Press **SEL** in review mode

☞ Scroll the menu using **UP** or **DOWN**

☞ Press **SEL** the menu you want

► 01.John Smith
1-032-234-0700
02.MARK TAILER
932-234-0700

Talk
► New
Edit
Delete

- ☞ Enter new name using Keypad and **CLR**
- ☞ Scroll the cursor using # or *
- ☞ Press **SEL**

Name ?

- ☞ Enter new number using Keypad and **CLR** to delete one digit.
- ☞ Scroll the cursor using # or *
- ☞ Press **SEL**

Number ?

- ☞ Generated the confirmation tone.

Saved
Location 01

- ☞ Press **CLR** to delete the character on the cursor. If no name is typed and press **CLR**, then go back to the previous screen.
- ☞ If there is a memory in the location selected, the new memory overwrite the old.

Edit a entry

- ☞ Press **MEM** in standby-mode It always shows memory “01”first. If there is no memory, the display shows as blank.
- ☞ Scroll using **UP** or **DOWN**

▶ 01.John Smith
1-032-234-0700
02.MARK TAILER
932-234-0700

- ☞ Press **SEL** in review mode
- ☞ Scroll the menu using **UP** or **DOWN**
- ☞ Press **SEL** the menu you want

Talk
New
▶ Edit
Delete

- ☞ Edit name using Keypad and **CLR**
- ☞ Scroll the cursor using # or *
- ☞ Press **SEL**

Name ?
John Smith

- ☞ Edit number using Keypad and **CLR** to delete one digit.
- ☞ Scroll the cursor using # or *
- ☞ Press **SEL**

Number ?
10322340700

- ☞ Generated the confirmation tone.

Saved
Location 01

- ☞ Press **CLR** to delete the character on the cursor. If no name is typed and press **CLR**, then go back to the previous screen.

Delete entry or all

- ☞ Press **MEM** in standby-mode It always shows memory “01”first. If there is no memory, the display shows as blank.

▶ 01.John Smith
1-032-234-0700
02.MARK TAILER

☞ Scroll using **UP** or **DOWN**

932-234-0700

☞ Press **SEL** in review mode

☞ Scroll the menu using **UP** or **DOWN**

☞ Press **SEL** the menu you want

Talk
New
Edit
▶ Delete

☞ Press **SEL**

Delete?

☞ Edit number using Keypad and **CLR** to delete one digit.

☞ Scroll the cursor using # or *

☞ Press **SEL**

Deleted

* If an empty location is selected, then generate an error tone.

Dial a number of the memory

☞ Press **MEM** in standby-mode

☞ Scroll using **UP** or **DOWN**

▶ 01.John Smith
1-032-234-0700
02.MARK TAILER
932-234-0700

☞ Press **SEL** in review mode

☞ Scroll the menu using **UP** or **DOWN**

☞ Press **SEL** the menu you want

▶ Talk
New
Edit
Delete

☞ Press **SEL**

☞ Press **TALK** to make a call using the selected number via PSTN

☞ Press **CEL** to make a call using the selected number via PSTN

Dial Number?
John Smith
1-032-234-0700

Handset setting features

1. Ringer tone - #1 through #3
2. Ringer volume – off, low, high
3. My area code – 3 digits
4. Time and date setting – month/day, hour/min am/pm
5. Handset Number – 1 digit

Ringer

☞ Press **SEL** in standby-mode

☞ Scroll using **UP** or **DOWN**

▶ Ringer Tone
Ringer Volume
My Area Code
Time and Date ↓

- ☞ Press **SEL**
- ☞ Change it using **UP** or **DOWN**
- ☞ Press **SEL** and a confirmation tone is generated
- ☞ It shows current Tone setting and generate the ringer tone for 3 rings. It generate the 3 rings showing the display when it is changed to different ringer tone)

Ringer Tone

- ▶ **Ringer Tone 1**
- Ringer Tone 2**
- Ringer Tone 3**

Volume control

- ☞ Press **SEL** in standby-mode
- ☞ Scroll using **UP** or **DOWN**
- ☞ Press **SEL**
- ☞ Change it using **UP** or **DOWN**
- ☞ Press **SEL** and a confirmation tone is generated
- ☞ It shows current ringer volume setting and generate the ringer tone

Ringer Tone

- ▶ **Ringer Volume**
- My Area Code**
- Time and Date** ↓

Ringer Volume

Off

- ▶ **Low**
- High**

My area code

My area code needs to be programmed for caller id dial back to work correctly.

- ☞ Press **SEL** in standby-mode
- ☞ Scroll using **UP** or **DOWN**
- ☞ Press **SEL**
- ☞ Edit new area code using keypad
- ☞ Press **SEL** and a confirmation tone is generated
- ☞ It shows current area code

Ringer Tone

Ringer Volume

- ▶ **My Area Code**
- Time and Date** ↓

My Area Code

554

Time and Date setting

Current time and date is displayed in standby mode always. When new caller id is received, current time and date is changed to the received timer and date.

- ☞ Press **SEL** in standby-mode
- ☞ Scroll using **UP** or **DOWN**

Ringer Tone

Ringer Volume

My Area Code

- ▶ **Time and Date** ↓

- ☞ Press **SEL**
- ☞ Enter new month using keypad
- ☞ Press **DOWN** a confirmation tone is generated

- ▶ **Month** **01**
- Day** **23**
- Hour** **12PM**
- Minute** **30**

- ☞ Enter new day using keypad

Month **01**

- ▶ **Day** **23**
- Hour** **12PM**

☞ Press **DOWN** and a confirmation tone is generated

Minute	30
--------	----

☞ Enter new hour using keypad(12 format)

☞ Press **DOWN** and a confirmation tone is generated

Month	01
Day	23
▶ Hour	12PM
Minute	30

☞ Select AM/PM using # or *

☞ Press **DOWN** and a confirmation tone is generated

Month	01
Day	23
▶ Hour	12PM
Minute	30

☞ Enter new minutes using keypad

☞ Press **SEL** a confirmation tone is generated

Month	01
Day	23
Hour	12PM
▶ Minute	30

Handset Number

Handset Number needs to be programmed for access the base station correctly.

☞ Press **SEL** in standby-mode

☞ Scroll using **UP** or **DOWN**

▶ Handset Number↑

☞ Press **SEL**

☞ Enter the handset number using keypad

☞ Press **SEL** and a confirmation tone is generated

Handset Number
Enter the HS num
[1..3] == > 1

User features in BASE

Call user interface

Making a external call via PSTN

Press **TEL**

Press desired number

Making an external call via Cellular

Press **CEL**

Press desired number

Press **CEL**

Receive a call

Press **TEL** to answer the call from PSTN

Press **CEL** to answer the call from Cellular

Ending a call

Press **TEL** to drop the call from PSTN

Press **CEL** to drop the call from Cellular

Mute

Press **MUTE** and user can still hear what people are saying at the other side but the other side cannot.

Press **MUTE** again to release it. On mute, flashing LED(TEL of CEL).

Pause function

A 2 second PAUSE may be inserted into the memory dialing. Press **RE/PA** at required point during storage of number in memory or dialing.

Redial function

The last number dialed (up to 32 digits) are stored in redial memory until another number is dialed. Next Pressure of **RE/PA** activate the pause function.

Via PSTN

 Press **TEL**

 Press **RE/PA**

Via Cellular

 Press **CEL**

 Press **RE/PA**

Call transfer

When you wish to transfer an external call to another extension

- ☞ Press **INT** and the desired number during call
- ☞ The external call is put on hold and the destination party is ringing for 10 seconds.
- ☞ When the destination party does not answer, the origination party is ringing for 10 seconds
- ☞ When the origination party does not answer, the all of the parties are ringing for 10 seconds
- ☞ If the any handset does not pick up, the external call is dropped.

Internal call

- ☞ Press **INT** in standby mode
- ☞ Enter the number of internal handset (0 to 3, 0 is base call)
- ☞ If you drop the internal call, press **TEL**
- ☞ If answer the internal call, press **TEL**

Call switching

When received Incoming ring from **CEL/TEL** during **TEL/CEL** talk mode, user can select the choice the following methods

3. Press **CEL/TEL**, and hold the current talk and seize the new call
4. Press **TEL/CEL**, and drop the current talk and seize the new call

If user want to toggle conversation between **CEL** and **TEL**, than can select the choice the following methods,

5. Press **CEL** to seize the held cellular call, and the tel call goes to hold mode and connect the cellular call.
6. Press **TEL** to seize the held tel call, and the cellular call goes to hold mode and connect the tel call
7. Press **CEL** to seize the held tel call, and the cellular call is dropped and connect the tel call
8. Press **TEL** to seize the cellular call, and the tel call is dropped and connect the cellular call

- ☞ If cellular call is dropped by external party , tel call is connected directly.

Call waiting(type II) -TBD

Press **FLASH** to pick up the second call. (The first call is put on hold)

Press **FLASH** again to go back to the first call.

*The LEDs show which service it is coming from when it receives a second call.(The service user is using is shown with solid light and the service the second call is using is shown with blinking LED. If the both calls are using the same service, then only its service:LED blinks)

Voice mail from Cellular (TBD)

Check voice mail

- ☞ Press and hold **1** for 1 sec. It connects to voice mail of the cellular phone directly.
- ☞ If a cellular phone is not docked in, it doesn't dial out and generate an error tone.

*Once a cellular phone is docked, read the number of unit and memorize it automatically. The voice mail number is the same

number as the unit's number.

Base setting features

Ringer setting

Press **RING** to change the ringer tone.

It generates the 3 rings when it is changed to different ringer tone.

If want to ringer off, Press **RING** and press **0**

Speaker Volume setting

Change it by pressing **VOL_UP** or **VOL_DOWN** when it is off hook

Ringer volume

Change it by pressing **VOL_UP** or **VOL_DOWN** when it is on hook

*Every time it is changed, it generates the current ringer.

Memory

Save a number

Press **MEM** again followed by a number you want to save. (max 16 digits)

Press **MEM** followed by location #(01-20) where you want to save it.

Then complete it and generate a confirmation tone.

Edit a number

Press **MEM** again followed by a number you want to save. (max 16 digits)

Press **MEM** followed by location #(01-20) where you want to save it.

Then complete it and generate a confirmation tone(basically overwriting the number).

Delete a number

Press **MEM** twice followed by location #(01-20) where you want to delete

Then complete it and generate a confirmation tone.

Make a call by using memory

Via PSTN

☞ Press **TEL**

☞ Press **MEM** followed by the location #(01-20)

Via Cellular

☞ Press **CEL**

☞ Press **MEM** followed by the location #(01-20)

* If empty location, then go to the standby mode with error beep.

Multi handset features

The phone supports up to 3 connected handsets.

Registration

To register the handset to base station, press and hold **FLASH** in either party (handset and base) for over 1 sec. Then the display “Register” is shown in handset and the STATUS led in base is flashing.

After the completion of registration, the display “Successful” is shown with the confirmation tone and the STATUS led in base is steady on with the confirmation tone.

If fail to register, then repeat the above procedure.

Call support with 3 handsets

It is possible that Intercom between two handset, even while a third handset is maintaining an external call.

It is not available that while one handset is connected the PSTN/Cellular call, another handset is not try to connect the PSTN/Cellular call.

The screened call transfer is not available.

Notice

No service warning

If the handset's distance is too far from the base unit, or if the selected service is not available, then the display “No service” is shown with warning tone.

Range limit tone during a call

During a call, in range limit conditions, the handset will play a warning tone in the ear piece, The tone is repeated until range condition are bad. If the handset goes out of range, the call is released (on both handset and base)

Low battery warning

If the battery condition is low, then the low battery warning tone is heard in handset.

If the battery condition is low on talk mode, and drop the call after 10 seconds,

If the battery condition is low in standby mode, any function is not working at all.

Docking cellular phone

- Slide in a cellular phone to the cradle. The CELLUAR led lights up and the service is switched to cellular automatically.
Pick up a cellular phone from the cradle.

- If the cell phone is docked in the cradle while you are using the cell phone, it will be disconnected.

- If the docking on/off led is flashing, it is meaning “ No Service Mode “ and the cell phone will not be working properly.

Handset (Cordless)

- Any keys is not operating while the handset is being charged.

- The End -