

**Avvio**

**User's Manual  
For  
Avvio 821S**

# CONTENTS

4	<b>SAFETY INFORMATION</b>
12	<b>DESCRIPTION OF KEYS</b>
16	<b>Getting started</b>
18	<b>CALL FUNCTIONS</b>
22	<b>FUNCTION MENU</b>
22	Messaging
25	Portal Movil
26	TELCEL
29	Fun
39	Ideas Box
29	Phonebook
32	Call center
35	Multimedia
35	Organizer

35	File manager
37	Settings
38	Services
43	<b>MP3 AND MP4 INSTRUCTION</b>
44	<b>TROUBLESHOOTING</b>
50	<b>LIMITED WARRANTY STATEMENT</b>

# **SAFETY INFORMATION**

## **PERSONAL USE**

Operation of any radio equipment including mobile phones may interfere with the function of inadequately shielded medical devices such as hearing aids and pacemakers. Please consult the manufacturer of these devices or your physician before use.

In oil depots and chemical factories where explosive gas or other products are stored, the user should pay close attention to the restriction on the use of mobile phone. Even if your phone is in the idle mode, it will still transmit radio frequency signals. Therefore, you must switch off when requested to do so.

Note traffic safety. When you are driving, please do not use your mobile phone. Stop on the side of the road when you do need to use it. Avoid making calls with your cellular phone in stormy weather.

Safety Information related with children:

- Be cautious of children swallowing the small parts such as the SIM card.
- Prevent children from playing with your cell phone as toys. For example, behaviors like throwing, biting the phone, or immersing it into water should be avoided.
- Do not let children less than 14 years old hang the phone around the neck.

## **MOBILE PHONE USE**

Please use only the accessories or parts offered by the manufacturer or those authorized by the manufacturer. Use of unauthorized accessories might influence the performance of the phone. What's worse, your phone

might get damaged and harm will be caused to your body. It might even violate the national regulations on the telecommunication terminal products.

Do not use chemical products like cleaning solvents or detergents to clean your phone. It is recommended that you use slightly damp and static electricity proof cloth instead of cloth that is dry and easy to catch static electricity. Before cleaning, you should switch off your phone.

Your mobile phone produces magnetic fields. Do not place it next to magnetic storage media such as computer diskettes. Operating your mobile phone close to other electrical equipment such as televisions, phones, radios and personal computers may cause interference and therefore influence the performance of your phone.

Please do not link it to other unnecessary equipments.

**Note!** Non-professionals must not try to disassemble the phone.

### **Phone Precautions!**

- Use your phone battery only for its intended purpose, and never use any battery charger which is damaged or worn out.
- When you unplug your phone from its charger, grasp and pull the plug, not the power cord.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean your phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

- Do not attempt to open the casing on your phone or its battery.
- Always keep SIM card out of children's reach.

## **BATTERY USE**

Do not short-circuit the battery terminals. This is dangerous and will damage the battery, produce heat and may cause a fire.

Never dispose of batteries in a fire as it can cause explosion. Return waste batteries to your supplier or an approved recycling center. Do not dispose along with household wastes.

**Warning!** If the battery case is broken, avoid contact with the contents. Wash contaminated skin with lots of water and seek medical attention.

### **Battery Precautions!**

- Avoid dropping the cell phone. Dropping it, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged

hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, consider purchasing a new battery.

- If left unused, a fully charged battery will fully discharge itself over time.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as it will reduce the capacity and life of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Batteries are particularly affected by temperatures below 32°F.
- Do not place the phone in areas that may get very hot, such as on or near a cooking surface, cooking appliance, iron, or radiator.
- Prevent your phone or battery from getting wet. Even though they will dry and appear to operate normally, the circuitry could slowly corrode and pose a safety hazard.
- Avoid a battery out of the phone in coming contact with metal objects, such as coins, keys or jewelry.

## DESCRIPTION OF KEYS

### Left Soft Key

- Performs the functions indicated by the text in the left bottom line of the display screen above it.

### Right Soft Key

- Performs the functions indicated by the text in the right bottom line of the display screen above it.
- Go to Calls in idle screen.

### Send Key

- Access call log from idle.
- Press to dial a Number.
- Press to answer an incoming Call.

### End Key

- Press to end a call or reject an incoming call.
- The phone will switch ON or OFF if it is pressed and held.
- Also in the menu mode, enables you to return to the idle mode (screen) .

### Central(OK) Key

- Open main Menu in idle.
- Confirm/ok/select in other state.

### Extra Key

In the idle mode, each key has the following function.

- Left Extra Key: go to Camera preview mode.
- Right Extra Key: go to Media player mode.

### 0~9 Numeric Keys

- By pressing the keys, you can edit numbers and characters.

### Volume Key

- When the phone is in the idle mode, you can adjust the volume of the key tone.
- During a call, when the MP3 player is working, you



can adjust the volume of the voice or music.

### **Hook Button on the headset**

- If you insert the headset, you can use it as below
- You can answer or end a call by pressing the hook button on the headset.

### **Backlight**

A backlight illuminates the display and the keypad. When you press digit key, the backlight comes on. It goes off when no keys are pressed within a given period of time.

### **BATTERY**

The phone comes with Li-ion battery which is only half charged but can be put into use immediately after the package is opened. However, the battery should be thoroughly discharged and fully recharged for at least 3 recycling times successively to achieve optimum performance.

### **How to Charge the Battery**

- Plug your charger into the main socket first.
- Connect the lead from the charger to the upper side of the phone.
- When the battery is charging, the icon on the upper right corner which indicates the battery charge level will flash in cycle. If the phone has powered off, a charging screen will show that the battery is charging now.
- When the bars in the icon are fully filled and has stopped flashing, it tells you that the battery has been fully charged. If the phone has powered off, the screen will tell you verbally that the charging has finished. Generally, it takes 2~3 hours to fully charge the battery. Normally, the battery, the

- phone and the charger might get heated in the process.
- Release the charger from the power socket and the phone.
- **Warning!** You must only use the supplied charger. Unauthorized charger might result in danger and any malfunction or damage caused by the use of unapproved charger will void the product warranty and it will not be acknowledged by the manufacturer.

## Getting started.

### Insert the SIM Card

- Insert the SIM card under the SIM card holder.
- When you need to remove the SIM card, you should first switch off the phone, remove the battery and take it away from under the SIM card holder.
- Always handle the SIM card with care and insert with the gold contacts facing down.

### Insert & Remove the Micro SD Card

- Insert the Micro SD card under the Micro SD card holder.

### Power ON/OFF

- Make sure that the battery is attached. You can switch your phone On/Off by long pressing the [End] key.
- If you switch the phone on without a SIM card :
- The phone will promote “Insert SIM” — In this case, you can make emergency call.
- The phone will promote “Network Emergency”— which means it is searching for network but has

failed to link.

# CALL FUNCTIONS

## Making a call

- In the idle mode, you will enter the dialing mode by pressing any numeric key. By pressing the [Send] key, you can make a call.
- Key operation: You can end a call by pressing, [End] key or the hook button on the headset.

## Adjusting the Call Volume

- During a call, if you want to adjust volume, use the Up/Down-volume key. Press Volume up key to increase the volume level, press the Volume down key decrease the volume level.

## International Call

- You should press [+ / O] key , the symbol “+” appear on the screen. By doing so, you can make an international call in whatever country without having to input the international dialing code. When you are dialing an international call, you should omit the digit “0” before the city code.
- To dial a fixed number: “ + ”Country code + complete number + [Send] key

## Call from the List

- Your phone automatically stores each number dialed or answered in its memory. You can view the Dialed Call numbers by pressing [Send] key. You can also dial the numbers in the list by pressing [Send] key.

## Emergency Call

- In whichever countries covered by the digital GSM network, you can make an emergency call if you are within the coverage of the network. The network signal strength indicator will tell you whether you can make it or not. If no service is available, you can make an emergency call even without the SIM card in place.
- **! Note:** Some network may not allow the emergency call and may request to insert SIM card.

## Receiving a call

- When you receive an incoming call , press the [Send] key to talk and hang up using [End] key.
- Press the [Send] key to answer a call as a default setting. To change the answering mode, press Menu> Setting >Call center > Call settings > Advanced settings > Answer Mode.

## Available functions during the call

- These options are visible only when you are during the process of a call. The multi-part call function should get support by the network. Please contact you network service provider for further information.
- The following options are available:  
“Hold”, “End single call”, “New call”, “Phonebook”, “Call history”, “Messaging”, “Sound recorder”, “DTMF (You can set it ON or OFF)” and etc.

# FUNCTION MENU

## Messages

### ■ Write message

#### ▪ Text message

You can also create your own text messages. You can add the message module to the new message you are editing.

#### ▪ Multimedia message

A multimedia message can contain text, images, and sound clips.

When a message is readily finished, you can choose to send it at once or save it for later use.

### ■ Inbox

With this menu, you can view the new messages or the read messages. Sender number or name(if stored in the Contact) are displayed on the list.

### ■ Drafts

- With this menu, you can view a list of any draft messages that have been created in the 'write message mode' and you can save the draft messages here.

### ■ Outbox

- If you send a message, it will be saved to the "Outbox" after the message isn't successfully send. The unsent messages are saved to the "Drafts" and "No Number" is displayed, which indicates that there is no destination.
- If you send a message, it will be saved to the "Sent" after the message is successfully send.

## ■ Sent messages

- With this menu, you can view a list of the sent message.

## ■ Broadcast Message

- **Receive mode:** You can set activation “ON” or “OFF”.
- **Channel settings**
  - Select:** You can select the channel you want.
  - Add:** You can add the channel you want. Type “Channel title” and “Channel ID”.
  - Edit:** You can edit the existing channel.
  - Delete:** You can delete the channel you want.
- **Languages:** You can set the language type you want.
- **Read messages:** You can read the message.

**! Note:** The Voice mail service may not be available on all networks. For more detail, please contact your network service provider.

## ■ Templates

- Users can insert a preset phrase into a text message which is being composed.
- When you are sending a message, you can quickly use a preset phrase.

## ■ Message settings

- **Text message**  
SIM/Memory status/Save sent message/Preferred storage
- **Multimedia message**  
**Data account :** You can activate or edit MMS Profile.  
**Common settings:** Compose/Sending/Retrieval/

Preferred storage/Memory status

- **Service message**  
Enable push  
Enable service loading

## **Portal Movil**

Direct access to the Portal WAP / UMTS.

## **TELCEL**

You can enjoy SIM Card Menu.



## Fun

There are games for your enjoyment.

You can download the game which you want.

- You can configure of game setting with “Java Setting” menu

## Ideas Box

Access to Applications section in America Movil which may be, for example, Radio Ideas, Ideas Code, etc..

## Phonebook

**! Note:** If the SIM card is changed, Phone show the message “Copy all from SIM to Phone?”

The SIM card memory and phone memory is physically separated but they are searched as a single entity.

○

**View :**

You can go through the list of telephone numbers stored in the contact.

**Send Text Message :**

Send SMS to a number selected from the contact.

**Send Multimedia Message :**

Send MMS to a number selected from the contact.

**Call :**

Call to this contact.

**Edit :** Edit names, Number and etc.

**Delete:**

Delete the selected information/record.

**Copy :**

You can copy the selected information either from

Phone memory to SIM card memory or vice versa.

**Move :**

You can move the selected information either from Phone memory to SIM card memory or vice versa.

**Add to Blacklist :**

add this contact to Blacklist

**Caller groups**

- You can set different alert Associate ringtone, Associate picture and Member list to each of the groups. Navigation key is for you to choose specific objects.

■ **Phonebook settings**

- **Preferred storage:** You can select “SIM/Phone/Both” to save the contact.
- **Speed dial :** You can set a speed dial.
- **My number :** You can edit or send your vCard.
- **Extra numbers :** you can set Owner numbers, Fixed dial and SOS numbers.
- **Memory status:** You can see the memory status of the contact list.
- **Copy contacts :** Copy the records stored in the memory of SIM card and the phone memory respectively.
- **Move contacts :** Move the records stored in the memory of SIM card and the phone memory respectively.
- **Delete all contacts :** Delete all the records stored in SIM card and Phone memory respectively.

**! Note Options of Phonebook**

If you press option soft key after locating the menu

cursor to the name you wish to do an action, the following options are available.

## **Call center**

### **Call history**

In the call records menu screen, you can see the number of Missed Calls, Dialed Calls, and Received Calls.

Following options are available in the sub-menu of Call History:

**View** : View the call history.

**Call** : Call back the caller.

**Send text message** : You can send SMS to the selected number.

**Send multimedia message** : You can send MMS to the selected number.

**Save to Phonebook** : Save the selected number to the Phonebook.

**Delete** : Delete the selected record.

**Delete all** : Delete all records.

**Advanced** : Call timers/Call cost/Text msg. counter/GPRS counter

### **All calls**

- This menu lets you view all calls. you can view the details of the record by pressing the left soft key. Then select view option. In the view screen you can make a call to the number by pressing the [Send] key.

### **Dialed calls**

- This menu lets you view the last some dialed calls.

### **Missed calls**

- This menu lets you view the latest missed calls.

## Received calls

- This menu lets you view the received calls.

## Call settings

### SIM1/SIM2 call settings

- **Call waiting** : call waiting
- **Call divert** : divert call
- **Call barring** : call barring
- **Line switching** : network line switch
- **Group List** :

### Advance Settings

- Blacklist / Whitelist
- Auto redial
- IP dial
- Call time display / Call time reminder
- Auto quick end
- Reject by SMS / Connect notice
- Answer mode

## Multimedia

### Camera

- In the camera main screen, you can take photos, set camera options or view the saved pictures.
- To take a photo, press “OK” key
- If there is not enough memory to save a new photo, you need to create free space by deleting old pictures or other files.

### Image viewer

- You can view the saved photos in this menu.
- The same as the option of Photos.

### **Video recorder**

- In the video main screen, you can take video.
- To take a video, press “OK” key
- If there is not enough memory to save a new video, you need to create free space by deleting old pictures or other files in the menu.

### **Media player**

- In the video/audio player, you can play the saved video/audio clip.
- You can set the corresponding options and enter the video/audio player menu to see the saved video/audio clip.

### **Photo editor**

- You can edit photos with color, size, effect.

### **Sound recorder**

- In the sound recorder, you can record the sound.
- You can set the corresponding options and enter the media player menu to see the saved audio clip.

## FM radio

Press the left soft key for “Option” to bring the follow menus:

- **Channel list:** You can define 1~30 channel shortcut.
- **Manual input:** You can input the frequency manually. [./M] key is assigned to point “.”
- **Auto search:** FM Tuner search all available channels for preset list.
- **Setting :**  
You can select the following setting value:  
Background play / Audio quality / Record storage option  
**Tip!** Press [navi up] key, turn on/off search algorism  
Press [navi down ]key, turn on/off power
- **Record :** you can record FM radio.
- **File list :** you can check file manager.

## Organizer

### ■ Calendar

Press left soft key “Option” and the following are available:

- **Check way** : You can view today schedules all. In the menu, you can edit Date/Time, Description, Alarm, Repeat, Repeat until, Location and Priority. You can choose the due date by pressing Numeric key. You can Delete the Schedule and Add a New Schedule.
- **View all** : You can view all schedules recorded.
- **Add event**: You can add a new schedule.
- **Delete event**: You can delete a schedule.
- **Jump to date**: View the designated date.
- **Go to today /Go to weekly view**

## ■ **Tasks**

You can check the schedule arranged on the current date. To edit schedule

## ■ **Alarm**

This menu allows you to set the alarm to ring at a specific time. Five options are available. The default mode is OFF. You may set one or all ON if necessary. The time, Repeat, Snooze and Alert type of each alarm can be set separately.

## ■ **Notes**

You can use to memo

## ■ **Calculator**

- Enter numbers by pressing [0]—[9]. Press [.] for a decimal point. Press the [Del] key to clear your input.
- You can press the Up, Down, Left, Right navigation keys to enter the symbols of addition, subtraction, multiplication and division.
- Clear the latest input digit or result by pressing the [Del] key. Long press the [Del] key to clear all the input or the result.
- Press the left soft key to calculate and the result will appear on the screen.

## ■ **Currency converter**

You can use to memo

## ■ **Stopwatch**

## ■ **Ebook reader**

You can read electronic book



## ■ Bluetooth

You can turn on/off Bluetooth.

You can search new device for pairing.

- **Note!** The precision of the calculator is limited for the round off error.

## File Manager

You can realize the management of images, video clips, sounds, MP3, folder, etc. through this function menu.

It is to manage your files of audio, eBook, photos, images, my music, received and video as default. It works as “My Document” in Window O/S.

Select drive between phone and memory card (only in case that you are using Micro SD). You can have the following options:

- **Open:** Open the folder. If you create a folder, it will be generated in here.
- **New Folder:** Create a folder as you want.
- **Format:** Format all folders and its properties.

# Settings

Many different features of your phone can be customized to suit your preferences. All of these features are accessed via the Setting menu.

## User profiles

You can use the sound setting features to customize various settings such as ring type, vibrator, and volume depending on environments: General, Silent, Meeting, Outdoor, Power Saving, My style.

**Phone settings** : Time and date, Schedule power on/off, Language, Preferred writing language, Encoding, Display, Dedicated key, Auto update time, Flight mode

## Display

This menu is to set about display for idle screen, wallpaper, power ON/OFF screen, screen saver. You can set LCD backlight

## Network settings

SIM1/SIM2 security, Phone security, Auto keypad lock, certificate manager

## Security settings

SIM1/SIM2 security, Phone security, Auto keypad lock, certificate manager

**Connectivity** : Bluetooth, Data account, Data service

## Restore factory settings

## Service

WAP is a standard application protocol specially created for mobile devices and gives fast and easy access to Internet information and service. You can obtain rich information by the WAP browser instead of a PC. Multi-services are available such as Reservation, News, Sports and Weather Broadcast.

- **Homepage:** Once the connection is built, you will link to the home page defined by yourself.
- **Bookmarks:** Once you choose the menu Bookmarks, you can connect to your favorite site much more conveniently.

**Recent pages:** The phone keeps track of the recent pages you log in. When you choose 'Recent pages', your WAP browser will open the latest page at any time

## MP3 AND MP4 INSTRUCTION

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Connect your phone to the computer using the Shielded USB cable.

If the phone is connected, the computer will show a sign that an external memory device is connected. Select an mp3 file of your choice from the computer and copy it to the **My Music** folder in the USB memory. For mp4 files, you can copy it to the **Video** Folder.

After canceling the connection of the external memory device through the computer, disconnect the USB Cable from the computer.

Use the follow the sequence "Menu > Multimedia > Audio Player/Video Player" to activate the player.

In case of play music with headset: To play music, short

press ear button of headset.

If you long press the ear button, the phone will dial the last call made

## TROUBLESHOOTING

If you meet a trouble on your phone operation, please check the followings. These checks enable you to save time and expense due to unnecessary after-service.

When Enter PIN appears at the power-up...

The PIN check is currently enabled. You must enter the PIN supplied together with your SIM card. You can disable the PIN check if you want, please see Security Setting menu.

When Enter PUK appears at the power-up...

PUK (Personal Unblocking Key) is used to unblock the blocked SIM card due to incorrectly entered PIN. PUK code is composed of 8 digits, and usually provided with your SIM card. If the PUK code is entered incorrectly several times in succession, PUK will be blocked and your SIM card will be automatically lock-up and the SIM Blocked message will be displayed. Once you see the message, you need to contact your network service provider for a new SIM card.

When Insert SIM screen appears at the power-up...

Please, check that your SIM card is inserted properly.

When Enter Lock Code appears at the power-up...

Your phone is phone locked. You must enter the Lock Code supplied together with your phone.

When No Service appears...


You probably are in the area out of the coverage of a GSM/ GPRS network.

When Emergency Only appears even though a number


of the signal bar are indicated...

You probably are in the area out of the coverage of your home GSM, GPRS network. You probably are in the coverage of another GSM, GPRS network but you are not allowed to be registered to the network.


If any tone is not generated when you press a keypad...

You need to check the quick silence mode setting. If you can find  icon on the top of the main display screen it is the quick silence mode. By pressing and holding [Space] key on the idle screen, you can switch it off. You need to check the Key Tone Type of Sound Setting menu. You need to check Key Tone Volume of the profile option that you have set on Profiles menu.

If an audible alert is not made when a call is received...

You need to check the quick silence mode setting. If you can find  icon on top of the main display screen it is the quick silence mode. By pressing and holding [Space] key on the idle screen, you can switch it off. You need to check Ring Type and Ring Volume of the profile option that you have set on Profiles menu.

If an audible alert is not made when an alarm is expired...

You need to check the quick silence mode setting. If you can find  icon on top of the main display screen it is quick silence mode. By pressing and holding [Space] key on the idle screen, you can switch it off.

If an outgoing call is not made...

You have probably set an outgoing calls barring option. You need to check Call Barring menu. Otherwise, you have probably set to Hide Number in Caller Number

menu of Call Setting menu. In some network, when you make a call with hiding the telephone number, the network does not allow to make the call.


If an incoming call is not made...

You have probably set an incoming calls barring option. You need to check Call Barring menu.


If an outgoing SMS message is not sent...

You need to check the Message Center option in SMS Setting menu.

If all audible key tones are muted and all audible alerts are changed to vibrator alert...

You need to check the quick silence mode setting. If you can find  icon on top of the main display screen it is the quick silence mode. By pressing and holding [Space] key on the idle screen, you can switch it off.

If some audible action is not prompted on a menu of Sound Setting menu...

You need to check the quick silence mode setting. If you can find  icon on top of the main display screen it is the quick silence mode. By pressing and holding [Space] key on the idle screen, you can switch it off.

If the image on the screen is blurred when you try to take a picture...

You need to check that the protection film is detached or the lens is clean. To remove fingerprints or other stains, wipe the lens with soft cloth.

# LIMITED WARRANTY STATEMENT

## 1. WHAT THIS WARRANTY COVERS:

IDENTITY offers you a limited warranty that the enclosed subscriber unit will be free from defects in material and workmanship, according to the following terms and conditions:

The limited warranty extends only to the original purchaser of the product and is not assignable or transferable to any subsequent purchaser/end user.

This warranty is good only to the original purchaser of the product during the warranty period as long as it is in the purchased local area.

The external housing and cosmetic parts shall be free of defects at the same time of shipment and, therefore, shall not be covered under these limited warranty terms. Upon request from IDENTITY, the customer must provide information reasonably prove the date of purchasing.

The customer shall bear the cost of shipping the product to the Customer Service Center of IDENTITY. IDENTITY shall bear the cost of shipping the product back to the customer after the completion of service under this limited warranty.

## 2. WHAT THIS WARRANTY DOES NOT COVER:

Defects or damages resulting from use of the product in other than its normal and customary manner.

Defects or damages from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of IDENTITY, including damage caused by shipping, blown fuses, spills of food



or liquid.

Breakage or damage to antennas unless caused directly by defects in material or workmanship.

That the Customer Service Department at IDENTITY was not notified by consumer of the alleged defect or malfunction of the product during the applicable limited warranty period.

Products which have had the serial no. removed or made illegible.

This limited warranty is in lieu of all other warranties, express or implied either in fact or by operations of law, statutory or fitness for a particular use.

Damage resulting from use of non-IDENTITY approved accessories.

All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use.

Products operated outside published maximum ratings.

Products used or obtained in a rental program.

Consumables (such as fuses).

### **3. STATE LAW RIGHT:**

No other express warranty is applicable to this product. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN. IDENTITY SHALL NOT BE LIABLE FOR THE LOSS OF THE USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF, OR INABILITY TO USE, THIS PRODUCT OR FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY APPLICABLE TO THIS PRODUCT.

Some states do not allow the exclusive of limitation of incidental or consequential damages or limitations on how long an implied warranty lasts: so these limitations or exclusives may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

### **4. HOW TO GET WARRANTY SERVICE:**

To obtain warranty service, please contact the retailer where you purchased this handset.

### **FCC Regulations:**

This mobile phone complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This mobile phone 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 radiated 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 not 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 or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

## **RF Exposure Information (SAR)**

This phone is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the United States, Industry Canada of Canada.

During SAR testing, this device was set to transmit at its highest certified power level in all tested frequency bands, and placed in positions that simulate RF

exposure in usage against the head with no separation, and near the body with the separation of 15 mm. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The exposure standard for wireless devices employing a unit of measurement is known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg, and 1.6W/kg by Industry Canada.

This device is complied with SAR for general population /uncontrolled exposure limits in ANSI/IEEE C95.1-1992 and Canada RSS 102, and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C, and Canada RSS 102. This device has been tested, and meets the FCC, IC RF exposure guidelines when tested with the device directly contacted to the body.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of [www.fcc.gov/oet/ea/fccid](http://www.fcc.gov/oet/ea/fccid) after searching on FCC ID: **WVBA821X**.

For this device, the highest reported SAR value for usage against the head is 0.77 W/kg, for usage near

the body  
is 1.13 W/kg.

While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirements.

SAR compliance for body-worn operation is based on a separation distance of 15 mm between the unit and the human body. Carry this device at least 15 mm away from your body to ensure RF exposure level compliant or lower to the reported level. To support body-worn operation, choose the belt clips or holsters, which do not contain metallic components, to maintain a separation of 15 mm between this device and your body. RF exposure compliance with any body-worn accessory, which contains metal, was not tested and certified, and use such body-worn accessory should be avoided.