



**AV100
User Manual**

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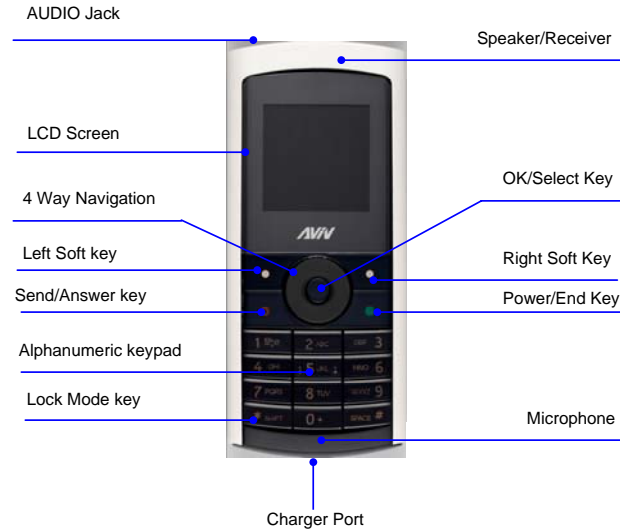
Congratulations on your purchase of the Ipanema cellular phone which has been designed to operate with the latest digital mobile communication technology, Code Division Multiple Access (CDMA). The CDMA system has greatly enhanced voice clarity and can provide various types of advanced features.

This is an advanced and compact phone which has diverse features as follows:

- Text Messaging, Voice Mail, and Caller ID.
- 21-key keypad (10 number keys / 2 function keys / 2 soft keys / 1 OK/Select key / 4-way navigation key / 1 Send/Answer key / 1 Power/End key).
- Long battery stand-by and talk time.
- Menu-driven interface with prompt for easy operation and configuration.
- Voice Privacy inherent with CDMA encoding.
- Any Key Answer, Auto Answer, Auto Redial, Speed Dial up to 99 memory locations.
- Optional accessories for your convenience and enhanced functionality.

PHONE COMPONENTS

The following shows key components of your mobile phone.



Speaker/Receiver Listens to voice from the phone.

LCD Screen Displays messages and indicator icons.

Soft Keys The names of the functions of these keys appear at the bottom of the screen. Left/Right soft keys are used to display the menu of the assigned function and perform assigned actions when navigating the menu.

Send/Answer Key Allows users to place or answer calls and redial a call from call history.

Alphanumeric Keypad These keys enable you to enter numbers and characters and choose menu items.

Lock/Unlock Keypad The keypad lock feature allows you to lock your keypad to prevent inadvertent pressing of keys when not using phone. To Lock, press and hold the "*" key for 2 seconds. To unlock, press [Right] Soft Key and [OK].

4 Way Navigation Key and OK key This Navigation key allows you to quickly access Alarm, Calendar, Calculator, Messages and Settings. And you can change these function by Set Shortcut Key.

Power/End Key To turn power On/Off and end a call. By using this key you can return to the idle screen. During an incoming call, press this key once to silence the ringer.

Microphone Speaks to the phone.

Charging port Use to charge the phone.

INSERTING BATTERY AND USING THE AC ADAPTER

Please insert the battery into the phone before using it. The phone comes with a rechargeable battery. Keep the battery fully charged while not in use in order to maximize talk and standby time when using the phone.

Inserting and Removing the Battery

- To insert the battery, slide the back cover down to open the battery compartment. Insert the bottom of battery into groove at the bottom of the handset. Replace the back cover by gently sliding the cover back until the latch snaps into place.
- To remove the battery, turn the power off. Slide the back cover down. At the top of the battery, pull the tab to lift the top of the battery out of the battery compartment.



Charging the Battery

To use the AC adapter provided with your phone:

1. Plug the AC adapter into the electrical outlet.
2. Insert the USB plug of the adapter into the charger port on the bottom of the phone. (Make sure the battery is inserted.)
 - When the phone is charging, the battery icon continually displays a progression from empty to full. It takes about three hours to fully

recharge a completely rundown battery. When fully charged, battery icon indicates full charge by blinking.

Battery Charge Level

The battery charge level is shown at the top right of the LCD screen.

When the battery charge level becomes low, the low battery sensor will alert you in three ways: sounding an audible tone, blinking the battery icon outline, and displaying recharge the battery. If the battery charge level becomes exceedingly low, the phone will automatically switch off and any function in progress will not be saved.


















BASIC FUNCTIONS

Turning the Phone On and Off

Press and hold [PWR/END] key for 2 seconds until the LCD screen flashes.

On Screen Icons

The phone screen displays several onscreen icons to indicate different phone function status.

	“1X” Signal Strength		All Sounds Off
	Voice Privacy		Alarm On
	Roaming		New/Unread message
	No Service		Opened/Read Message
	Location On		Message Locked
	E911		Conversation
	Battery Level		Calendar Appointment
	Missed Call		Voicemail
	Alarm Only		

Making a Call

Follow these steps to make a call:

1. Make sure that the phone is turned on. If not, press and hold [PWR/END] key for 2 seconds.
2. Enter the phone number and then press [SEND/ANSR] key.
 - If the phone is locked, press the [Right] soft key then [OK] to unlock.
3. To end the call, press [PWR/END] key.

Receiving Calls

1. When the phone rings, press [SEND/ANSR] key or any key (if Any Key Answer is set).
2. To end an answered call, press [PWR/END] Key.

MENU TREE

- 1 Call History**
- 1.1 Missed Calls
- 1.2 Received Calls
- 1.3 Dialed Calls
- 1.4 All
- 1.5 View Timers

- 2 Message**
- 2.1 New TXT Msg
- 2.2 Inbox
- 2.3 Outbox
- 2.4 Sent
- 2.5 Drafts
- 2.6 Voicemail

- 3 Tools**
- 3.1 Calculator
- 3.2 Calendar
- 3.3 Alarm Clock

- 4 Contacts**
- 4.1 New Contact
- 4.2 Contact List
- 4.3 Groups
- 4.4 Speed Dials

- 5 Settings**
- 5.1 Display
- 5.2 Sounds
- 5.3 System

5.4 Calls

- 6 Phone Info**
- 6.1 My Number
- 6.2 Version Info
- 6.3 Icon Glossary
- 6.4 Status

TEXT MESSAGING

To enter Text Message mode, press the up NAV key or go to Menu and press [2] key. You can enter text in several input modes by pressing the [LEFT] soft key and selecting: Word, Abc, ABC, 123 or Symbols.

When in Word, Abc, or ABC mode, to access, press [1] key to enter Symbol mode or press [LEFT] soft key and press [5] key. To turn on/off English capitalization, press [*] key.

Typing in "Word" Predictive Text Input Mode

With predictive text input, complete words are predicted as letters are input into the message. To select the predicted word, press the [#] key

For example, to write "Call me", follow these steps:

1. Press [Left] soft key to change to 'Word' mode.
2. Press [2] [2] [5] [5]
3. Press [#] to select "Call".
4. "Call" will be displayed on the screen with a space.
5. Press [6] [3] [0] and then use [0] to scroll thru multiple predicted word options.
To select the correct word, press the [#] key.
6. Complete the word "Call me".

Typing In Abc (Multi-tap)Mode

For example, to type "Call", follow these steps:

1. Press [LEFT] soft key to change letter case to Abc mode .
2. Press [2] three times
3. Press [2] once
4. Press [5] three times
5. Press [5] three times

123(Numbers)Mode

Type numbers using one key stroke per number. Select 123 entry mode by pressing [LEFT] soft key.

Symbol Mode

Select Symbol mode by pressing [LEFT] soft key and [5] key, or from Word, Abc or ABC entry modes by pressing [1] key to select the Symbol mode (e.g. '*', '?', '!')

Text Messages

Allows users to send a text message up to 160 characters per message.

1. Press [OK] key to enter main menu and select message.
2. Select New TXT Msg.
3. Enter number. (You can enter number or select from contact list.)
4. Choose the entry mode.
5. Enter text.

Options:

- Send - Use to send the message.
- Save As Draft - Save this message to draft box
- Quick Text - Select a sample message.
- Priority - Assigns the desired priority to message. Normal or High.
- Cancel Msg - Cancel this message.

QUICK FUNCTION GUIDE

1. CALL HISTORY

Menu 1.1 Missed Calls

Allows you to view list of all Missed Calls.(Maximum of 90 numbers are possible including Missed)

Menu 1.2 Received Calls

Allows you to view list of all Received Calls.(Maximum of 90 numbers are possible including Received)

Menu 1.3 Dialed Calls

Allows you to view list of all Dialed Calls.(Maximum of 90 numbers are possible including Dialed)

Menu 1.4 All

Allows you to view list of all Calls.

Menu 1.5 View Timers

View the duration and number of recent calls you have dialed and received.

2. MESSAGE

Menu 2.1 New TXT Msg

Write and send a message. This function allows you to send a message up to 160 characters per message.

Menu 2.2 Inbox

Store received messages.

Menu 2.3 Outbox

Auto store unsuccessful message. Users can continue editing, forwarding, resending and locking etc.

Menu 2.4 Sent

Store sent messages.

Menu 2.5 Drafts

Store unsent or incomplete messages. Users can continue composing incomplete messages any time.

Menu 2.6 Voice Mail

Allows you to view new voice messages recorded in the voice mail box.

3. TOOLS

Menu 3.1 Calculator

Allows you to perform simple calculations.

Menu 3.2 Calendar

Allows you to store appointments and will sound an alert as appointment notification.

Menu 3.3 Alarm Clock

Set an event alarm time.

4. CONTACTS

Menu 4.1 New Contact

Store up to 500 contacts, adding 4 phone numbers + 2 E-mails + Fax number + Group +Ring Tone.

Menu 4.2 Contact List

List of contacts in phone book.

Menu 4.3 Groups

Groups enable users to assign contact records to groups. There are two preset groups: Family and Business. Each group has a maximum of 10 records.

Menu 4.4 Speed Dials

Speed Dials allows you to make a call faster by just pressing a corresponding number.

5. SETTINGS

Menu 5.1 Display

Users can set Banner, Backlight, Wallpaper, Number on Startup and Contrast.

Menu 5.2 Sounds

Users can set Ringtones, Alerts, Master Volume, Keypad Volume, Power On/Off, Roaming Indicator.

Menu 5.3 System

Users can set Language, Shortcut Key, Location, Security.

Menu 5.4 Calls

Users can set In-Call Sounds, Answer Options, Dial Fonts and Auto Retry.

6. PHONE INFO

Menu 6.1 My Number

Users can view your phone number.

Menu 6.2 Version Info

Users can view SW version information.

Menu 6.3 Icon Glossary

Users can view the meaning of an icon.

Menu 6.4 Status

Users can view Status information.

SAFETY INFORMATION

Please read and observe the following information for safe and proper use of your phone and to prevent damage. Also, keep the user guide in an accessible place at all the times after reading it.

Use and Care

To care for your Phone, please follow these instructions:

- Don't expose your phone to water, rain, extreme humidity, sweat, or other moisture.
- Avoid temperatures below -10°C/14°F or above 45°C/133°F
- Don't try to dry your phone in a microwave oven
- Don't expose your phone to dust, dirt, sand, food, or other inappropriate materials.
- To clean your phone, use only a dry soft cloth. Don't use alcohol or other cleaning solutions.
- Don't drop your phone.

Specific Absorption Rate Data

This Model wireless phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communication Commission (FCC) of the U.S Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/Kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone 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, the lower the power output.

Before a phone model is available for sale to the public in the U.S, it must be tested and certified to the FCC that it does not exceed the limit established for safe exposure. The tests are performed in positions and locations (e.g, at the ear and worn on the body) reported to the FCC.

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products, in all cases, products are designed to be within the guidelines.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site:

<http://www.phonefacts.net>

In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 W/Kg averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

SAR INFORMATION

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types AV100 (FCC ID: VR2AV100) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for use at the ear is 1.199 W/kg and when properly worn on the body is 0.921 W/kg. This device was tested for typical body-worn operations with the back of the handset kept 1.5cm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 1.5cm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

Software Copyright Notice

The software products described in this manual may include copyrighted and third-party software stored in semiconductor memories or other media. Laws in the United States and other countries preserve for manufacturer and third party software providers certain exclusive rights for copyrighted software, such as the exclusive rights to distribute or reproduce the copyrighted software. Accordingly, any copyrighted software contained in the product may not be modified, reverse engineered, distributed, or reproduced in any manner to the extent allowed by law. Furthermore, the purchase of the product shall not be deemed to grant either directly or by implication estoppels, or otherwise, any license under the copyrights, patents or patent applications or any third-party software provider, except for the normal, non-exclusive royalty-free license to use that arises by operation of law in the sale of a product.

Safety and General information

This section contains important information on safe and efficient operation of

your mobile phone. Read this information before using your mobile phone.

Exposure To Radio Frequency (RF) Energy

Your mobile phone contains a transmitter as receiver. When it is ON, it receives and transmits RF energy. When you communicate with your mobile phone, the system handling your call controls the power level at which your mobile phone transmits.

Your mobile phone is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Operational Precautions

For optimal mobile phone performance and to be sure that human exposure to RF energy does not exceed the guidelines set forth in the relevant standard, always follow these instructions and precautions.

Product Operation

When placing or receiving a phone call, hold your mobile phone just like you would a landline phone.

If you wear the mobile phone on your body, always place the mobile phone in a manufactured-supplied or approved clip, holder, holster, case or body harness. If you do not use a body-worn accessory supplied or approved by the manufacturer, keep the mobile phone and its antenna at least 2.5 centimeters (1 inch) from your body when transmitting.

Using accessories not supplied or approved by the manufacturer may cause your mobile phone to exceed RF energy exposure guidelines.

RF Energy Interference/Compatibility

Nearly every electronic device is subject to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your mobile phone may cause interference with other devices.

This device 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.

Follow Instructions to Avoid Interference Problems

Turn off your mobile phone in any location where posted notices instruct you to do so. These locations include hospitals or health care facilities that may be using equipment that is sensitive to external RF energy.

In an aircraft, turn off your mobile phone whenever instructed to do so by airline staff. If your mobile phone offers an airplane mode or similar feature, consult airline staff about using it in flight.

Pacemakers

If you have a pacemaker, consult your physician before using this device. Persons with pacemakers should observe the following precautions:

- ALWAYS keep the mobile phone more than 20 centimeters (8 inches) from your pacemaker when the mobile phone is turned ON.
- DO NOT carry the mobile phone in the breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn OFF the mobile phone immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital mobile phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer or physician to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult your physician or the manufacture of your device to determine if it is adequately shielded from RF energy.

Driving Precautions

Check and obey the laws and regulations on the use of mobile phones in the area where you drive. When using your mobile phone while driving, please:

- Give full attention to driving and to the road. Using a mobile phone may be distracting. Discontinue a call if you can't concentrate on driving.
- Use hands free operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

Operational Warning

Obey all posted signs when using mobile phones in public areas, such as health care facilities or blasting areas.

Automobile Air Bags

Do not place a mobile phone in the air bag deployment area.

Potentially Explosive Atmospheres

Areas with potentially explosive atmosphere are often but not always posted, and can include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, or areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

When you are in such an area, turn off your mobile phone, and do not remove, install, or charge batteries. In such areas, sparks can occur and cause an explosion or fire.

Damaged Products



If your mobile phone or battery has been submerged in water, punctured, or subjected to a severe fall, do not use it until you take it to a Manufacturer Authorized Service Center. Do not attempt to dry it with an external heat source, such as a microwave oven.

Batteries and Chargers

- AC adapter is designed for indoor use only.
- **Always use original manufacturer authorized batteries and chargers.**

- Do not disassemble or short-circuit the battery.
- Keep the battery's metal contacts clean.
- Recharge the battery after long periods of non-use to maximize battery life.
- Battery life will vary due to usage patterns and environmental conditions.
- The self-protection function of the battery cuts the power of the phone when its operation is in an abnormal status. In this case, remove the battery from the phone, reinsert it, and turn the phone on.
- If jewelry, keys, beaded chains, or other conductive materials touch exposed battery terminals, this could complete an electrical circuit (short circuit), become very hot, and could cause damage or injury. Be careful when handling a charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.
- Using a damaged battery or placing a battery in your mouth may cause serious injury.
- **Caution: To avoid risk of personal injury, do not dispose of your battery in a fire.**

Your battery, charger, or mobile phone may contain symbols, defined as follows:

Symbol	Definition
	<p>Your mobile phone contains an internal Lithium-ion battery. Your battery or mobile phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.</p>
	<p>Do not throw your battery or mobile phone in the trash.</p>

Choking Hazards

Your mobile phone or its accessories may include detachable parts, which may present a choking hazard to small children. Keep your mobile phone and its accessories away from small children.

Glass Parts

Some parts of your mobile phone may be made of glass. This glass could break if the product is dropped on a hard surface or receives a substantial impact. If glass breaks, do not touch or attempt to remove. Stop using your mobile phone until the glass is replaced by a qualified service center.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when playing video games. These may

occur even if a person has never had a previous seizure or blackout.

Information from the World Health Organization

Present scientific information does not indicate the need for any special precautions for the use of mobile phones. If you are concerned, you may want to limit your own or your children's RF exposure by limiting the length of calls or by using handsfree devices to keep mobile phones away from your head and body.

Source: WHO Fact Sheet 193

Further information: <http://www.who.int/peh-emf>

Export Law Assurances

This product is controlled under the export regulations of the United States of America. The Government of the United States of America may restrict the exportation or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce.

Recycling your Phone and Battery

Your wireless phone and battery can be recycled. Recycling reduces the amount of waste disposed in landfills and allows recycled materials to be incorporated into new products.

The Cellular Telecommunications Industry Association (CTIA) and its members encourage consumers to recycle their phones and have taken steps to promote the collection and environmentally sound recycling of end-of-life wireless phones.

As a wireless phone user, you have an important role in ensuring that this

phone is recycled properly. When it comes to give this phone up or trade it in for a new one, please remember that the phone, the charger, and many of its accessories can be recycled. It's easy. To learn more about CTIA's Recycling Program for Used Wireless Phones, please visit us at: <http://www.recyclewirelessphones.com>.

Smart Driving Practices

Check and obey the laws and regulations on the use of mobile phones and their accessories in the areas where you drive. The use of these devices may be prohibited or restricted in certain areas.

Your mobile phone lets you communicate by voice and data-almost anywhere, anytime, wherever wireless service is available and safe conditions allow.

When driving a car, driving is your first responsibility. If you choose to use your mobile phone while driving, remember the following tips:

- **Get to know your mobile phone and its features such as speed dial and redial.** If available, these features help you to place your call without taking your attention off the road.
- **When available, use a handsfree device.** If possible, add an additional layer of convenience to your mobile phone with one of the many handsfree accessories available today.
- **Position your mobile phone within easy reach.** Be able to access your mobile phone without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
- **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.

- **Do not take notes or look up phone numbers while driving.** Jotting down a “to do” list or going through your address book takes attention away from your primary responsibility-driving safely.
- **Dial sensibly and assess the traffic; if possible, place calls when your car is not moving or before pulling into traffic.** If you must make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations that can divert your attention away from the road.
- **Use your mobile phone to call for help.** Dial 911 or other local emergency number in the case of fire, traffic accident, or medical emergencies.
- **Use your mobile phone to help others in emergencies.** If you see an auto accident, crime in progress, or other serious emergency where lives are in danger, call 911 or other local emergency number.
- **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

General Information

- Do not place items containing magnetic components such as a credit card, near your phone. The magnetism of the phone may damage the data stored in the magnetic strip.
- Talking on your phone for long periods of time may reduce call quality due to heat generated during use.
- When the phone is not used for a long period time, store it in a safe place with the power cord unplugged.
- The data saved in your phone might be deleted due to careless use, repair of the phone, or upgrade of the software. Please backup your important

phone numbers. (Ring tones, text messages, and voice messages could also be deleted.) The manufacturer is not liable for damage due to the loss of data.

- Do not turn your phone on or off when the phone is close to your ear.
-
- 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 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 from that to which the receiver is connected.
 - — Consult the dealer or an experienced radio/TV technician for help.