

# **USER MANUAL**

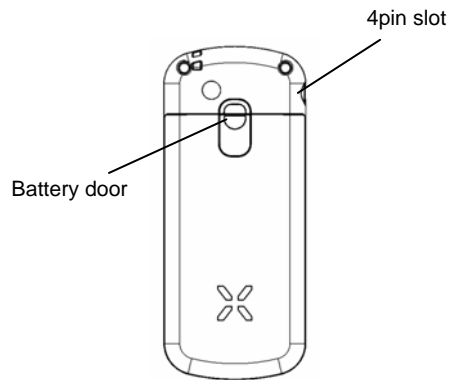
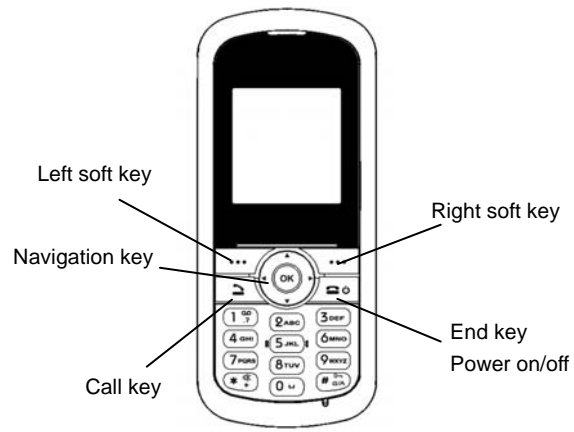
## **AVVIO 2300**



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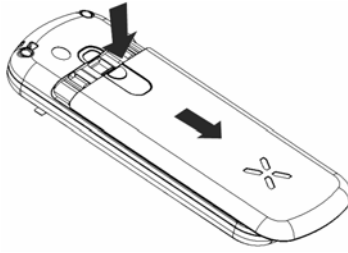
# ANATOMY



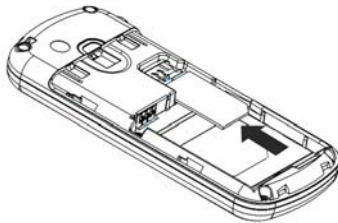
# INSTALLATION

## 1. SIM Card

- ①. Push the hook of the battery door on the back of phone.
- ②. Slide down and detach the battery door



- ③. Insert SIM card into the SIM slot in the right direction.

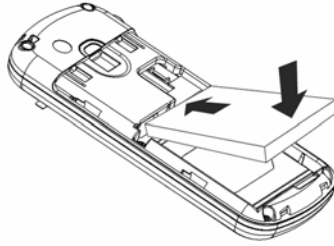


**Caution:** Don't bend or scratch your SIM card. Keep it away from static electricity, water and dirt.

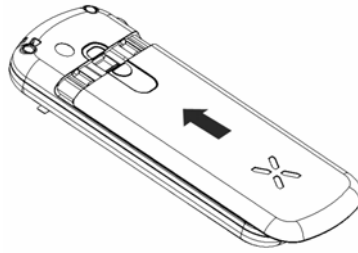
## 2. Battery

- ④. **Connect the battery plug with the slot of phone.**

**Caution:** The plug and slot have the direction and it will be connected only in the right direction.



- ⑤. **Lay the battery and close the door**



**Caution:** New battery is not fully charged.

- ⑥. **Connect the DC adapter with Phone and plug**

the DC adapter into your power outlet.


- ⑦. Insert the plug of DC adapter into the slot of Phone.




# BASICS

## 1. Turn it on/off




To turn on your phone, press and hold “**End key**”  for a few seconds or until the display turns on. If prompted, enter your 4-digit PIN code.

**Caution:** If you enter an incorrect PIN code 3 times in a row, your SIM card is disabled and your display shows SIM Blocked. Contact your service provider.


To turn off your phone, press and hold “**End key**”  for a few seconds

## 2. Make a call


1) Enter phone number which you want to call.

2) Press “**Call key**”  to make a call.

**Tip:** In some menus like Phonebook, Message, Call log, etc. which have individual phone number, Press “**Call key**”

 directly to make a call.

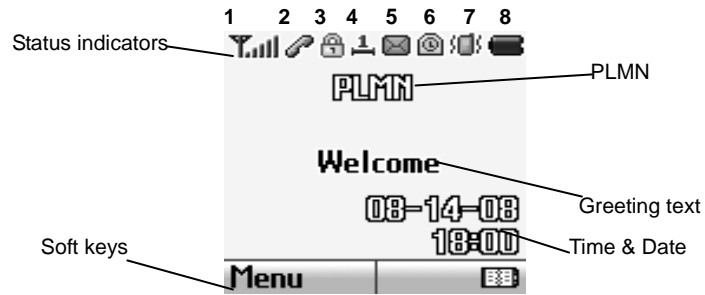
### 3. Answer a call

When your phone rings, just press “Call key” 

If the phone mode is set to “Any Key Answer”, pressing any key will answer to the coming call.

### 4. Display

The display shows when you turn on the phone





## **[Status indicator]**

### **1) Signal strength indicator**


- Vertical bars show the strength of the network connection.


 : No GPRS


 : GPRS available

### **2) Network indicator**

- Shows network status.

 : In use of call

 : Cannot make or receive calls

 : Network forwarding

 : Roaming (outside of your home area)


### **3) Phone lock indicator**


- Shows when your phone is locked.

 : Phone lock

### **4) Line connection**


- Shows the line number which your phone is connected to.


 : Line 1

 : Line 2

### 5) Message indicator

- Shows when you receive a new message.

 : Text message

 : Voice message

### 6) Alarm indicator


- Shows when the alarm is active.


 : Alarm on

### 7) Ring tone indicator


- Shows the current setting of ring-tone and vibration.

 : Bell only

 : Vibration only

 : Vibration then bell

 : Silent bell

 : Manner mode

## 8) Battery level indicator

- shows the battery charging level.

 : Full battery


 : Low battery


## 5. Text input



Text input is used for creating message, editing phonebook entry, changing idle banner, etc.


Input mode



- To change the **text input type**, press “**Pound key**”  
 to toggle in numeric mode, upper letter mode and lower letter mode.
- To change the **input mode**, long-press “**Pound key**”

 to toggle between T9 Smart Input mode and Multi-tab mode.

- To input Symbol, long-press “**Star key**”  to go to symbol selection.
- To input common symbol, press “**1 key**”  to input several common symbols.

**Tip:** If you want to input the different language with the current language setting, you have to change **language setting** first, or long-press “**OK key**”  to go to language setting mode.

## 6. Phone lock

You can lock your phone to prohibit others from using the phone.

Phone lock is not SIM card lock nor SIM lock by the operator.

### **[Change Password]**

Entering: “**OK Key**”  > “**Settings**”  > “**Locks**”   
> “**Change password**” 

**Tip:** The original PW is “0000”

### ***[Turn phone lock on/off]***

Entering: “OK Key”  > “Settings”  > “Locks”  
 > “Phone lock” 

**Tip:** If phone lock is on, you need to enter the phone PW, whenever phone turn on.

### ***[unlock the phone]***

Press and hold “pound key”  for a few second, then enter your PW.


## **7. Auto key lock**

You can lock your phone to prevent accidental key presses.

### ***[Setting auto key lock]***

Entering: “OK Key”  > “Settings”  > “Locks”  
 > “Auto Key Lock” 

### ***[unlock key]***

Pressing any key will pup up a window. And then press and hold “pound key”  for a few second.

## 8. Language

If the language setting is "Automatic", It will depends on SIM card setting.

Entering: "OK Key"  > "Settings"  > "Language"



## 9. Internet

Use the internet to access online services. For example, news and banking, searching the Web or download ringtone and image.

Entering: "OK Key"  > "Browser" 

### ***[File manager]***

You can download images and audio clips from internet. You can find these contents in file manager menu

## MENU MAP

<b>1. Applications</b>	
	1. Calculator
	2. File manager
	3. Voice recorder
<b>2. Organizer</b>	
	1. Calendar
	2. Alarm
<b>3. Display</b>	
	1. Standby display
	1. Wallpaper
	2. Personal text
	3. Clock and date
	2. Display light
	3. Contrast
<b>4. Browser</b>	
	1. Home
	2. Bookmark
	3. Enter address
	4. History
	5. Setting
	6. About
<b>5. Messaging</b>	
	1. New message

	2. Inbox
	3. Drafts
	4. Sent items
	5. Voice mail
	6. Cell broadcast
	7. Message settings
	8. Templates
	9. Memory status
<b>6. Call records</b>	
	1. Incoming
	2. Outgoing
	3. Missed
	4. Call duration
<b>7. Settings</b>	
	1. Tones
	1. Tone settings
	2. Volume
	3. Ring type
	2. Call settings
	1. Call divert
	2. Call barring
	3. Call waiting
	4. Auto redial
	5. Caller ID



	6. Answer mode
	3. Time and date
	4. Network settings
	5. Locks
	1. Sim card PIN
	2. Phone lock
	3. Auto key lock
	4. Change password
	6. Language
	7. Restore defaults
<b>8. Phonebook</b>	
	1. View
	2. Create contact
	3. Speed dials
	4. Groups
	5. Service dialing
	6. Fixed dialing
	7. Options
	1. My numbers
	2. Memory in use
	3. Copy all entries
	4. Delete all entries
	8. Memory status
<b>9. Sim Tool Kit</b>	

# TECHNICAL INFORMATION

**This 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 not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications 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 fixed phoned employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limits set by the FCC are 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting as 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 output power.

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

### **Technical Specification**

<b>Weight</b>	59.7g (0.131 lbs)
<b>Size</b>	Handset: 104.5 x 45 x 12.8mm(4.11" x 1.77" x 0.5")
<b>Wireless Network</b>	GSM 850 & 1900
<b>Frequency Range</b>	Tx : 824 ~ 849 MHz, 1850 ~ 1910 MHz Rx : 869 ~ 894 MHz, 1930 ~ 1990 MHz
<b>Backup Battery</b>	Li-ion battery pack.

## FCC Information to User

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 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

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**FCC Compliance Information :** 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

# SAFETY INFORMATION

**IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION. READ THIS INFORMATION BEFORE USING YOUR PHONE.**

## **EXPOSURE TO RADIO FREQUENCY (RF) ENERGY**

Your phone contains a transmitter and a receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

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

## **OPERATIONAL PRECAUTIONS**

To assure optimal phone performance and make sure human exposure to RF energy is within the guidelines set forth in the relevant standards; always adhere to the following procedures.

Do NOT store it in cold area or hot area. Normal operation temperature is between 0°C(32°F) and 40°C(104°F)

## **APPROVED ACCESSORIES**

Use of accessories not approved by Manufacturer, including but not limited to batteries and travel adaptors, may cause your phone to exceed RF energy exposure guidelines.

## **RF ENERGY INTERFERENCE / COMPATIBILITIES**

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

## **MEDICAL DEVICES**

### **Pacemakers**

Pacemaker manufacturers recommend that a minimum separation of 8 inches (20centimeters) be maintained between the phone and a pacemaker. Persons with pacemakers should:

- Always keep the phone more than 8 inches (20 centimeters) from your pacemaker when the phone is turned ON.
- Turn OFF the phone immediately if you have any reason to suspect that interference is taking place.

### **Hearing Aids**

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

### **Other Medical Devices**



If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

## **BATTERIES**

Batteries can cause property damage and / or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touches exposed terminals. The conductive material may

complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse or other container with metal objects. Use only original batteries and chargers.

Your battery or phone may contain symbols, defined as follows.

	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Your battery or phone should not be thrown in the trash

Please don't use any damaged battery or charger and use the battery only for its intended purpose.

Don't apply extreme shock to the battery. It's dangerous to disassemble a battery or to apply extreme shock to the battery via nail or heavy metal objects.

Keep the charger or batteries out of reach of small children or babies. Please instruct children the proper ways of handling phone during usage.

Shock circuit and breakdown may occur and cause severe danger to user due to improper usage.

Always try to keep the battery between -10 ~ 55 Celsius.

Use only manufacturer approved rechargeable batteries and charger designated for this device

## **FCC RF EXPOSURE INFORMATION**

### **Read this information before using your phone**

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radiofrequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards. Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damaged the phone, or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

### **Body-worn Operation**

This device has been tested for body-worn operation and meets FCC RF exposure guidelines. Body-worn operation is restricted to accessories that maintain a minimum of 1.5cm separation to the body and do not contain metallic components. Use of any other body-worn accessories may not compliance with FCC RF exposure guidelines. For more information about RF exposure, please visit the FCC website an [www.fcc.gov](http://www.fcc.gov)

### **Specific Absorption Rate (SAR) for Wireless Phones**

The SAR is a value that corresponds to the relative amount of RF energy absorbed in the head of a user for a wireless handset. The SAR value of a phone is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the phone emits. All phone models are tested at their highest value in strict laboratory settings. But when in operation, the SAR of a phone can be substantially less that the level reported to the FCC. This is because of a variety of factors including its proximity to a base station antenna, phone design and other factors. What is important to remember is that each phone meets strict federal guidelines. Variations in SAR's do not represent a variation in safety. All phones must meet the federal standard, which incorporates a substantial margin of safety. As stated above, variations in SAR values between different model phones do not mean variations in safety. SAR values at or below the federal standard of 1.6W/kg averaged over 1 gram of tissue are considered safe for use by the public. The highest reported SAR values of **FCC ID:WVB-AV2300** are :

GSM mode-Head : 1.34W/kg    Body-worn : 0.731W/kg (averaged over 1gram of tissue.)

PCS mode-Head : 1.44W/kg    Body-worn : 0.413W/kg (averaged over 1gram of tissue.)