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This handbook is for reference only. Software might upgrade any time, and no further notifications will be announced.

SAFETY PRECAUTIONS

Please read the following safety guidelines before using the device.

- Do not use the phone while you are driving.
- Do not place magnetic storage media near your phone. Radiation from the phone may erase the information stored on them.
- Keep your phone and its accessories away from children.
- Mobile phones can interfere with the functioning of medical devices such as hearing aids or pacemakers. Contacts having active medical implants should keep their cell phone at least 15 cm away from the implant.
- Permanent hearing loss may occur if you use earphones or headphones at high volume.
- Use a wireless hands-free system (headphone/headset) with a low power Bluetooth emitter.
- Make sure the cell phone has a low SAR.
- Keep your calls short or send a text message (SMS) instead. This advice applies specially to children adolescents and pregnant women.
- Use cell phone when the signal quality is good.

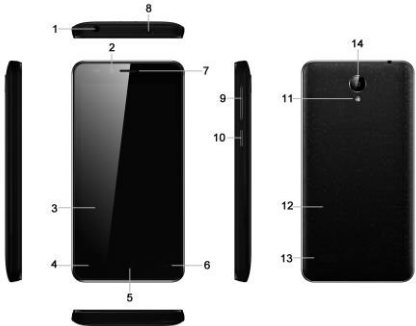
TABLE OF CONTENTS

ALL RIGHTS RESERVED	1
TABLE OF CONTENTS	2
1. UNDERSTANDING YOUR DEVICE	3
1.1 DEVICE OVERVIEW	4
2. INSTALLING CARDS	5
2.1 INSTALLING CARDS & BATTERY.....	5
2.2 POWERING ON/OFF THE DEVICE	7
3. SYSTEM GUIDE	8
3.1 MAIN SCREEN OPERATING	8
3.2 USING YOUR PHONE.....	8
3.3 CALLING	9
3.4 MESSAGING.....	9
3.5 CONTACTS	10
3.6 BROWSER.....	11
4. HOME SCREEN	12
4.1 CUSTOMIZING SCREEN	12
5. MULTIMEDIA	13
5.1 FILE MANAGER	13
5.2 CAMERA.....	13
5.3 GALLERY	13
5.4 FM RADIO.....	13
6. APPLICATIONS & UTILITIES	15
6.1 CALCULATOR	15
6.2 CLOCK	15
7. SPECIFICATIONS	16
ENVIRONMENTAL CONCERN.....	17

1. UNDERSTANDING YOUR DEVICE

Avvio L450 is a smartphone, such as **Android version 5.1, Wi-Fi, 1.0G Quad Core Processor, 5.0 MP Digital Camera**, etc.

1.1 DEVICE OVERVIEW



Position of Keys

1. Earphone Jack	2. Front Camera Lens
3. Touch Screen	4. Menu Key
5. Home Key	6. Back Key
7. Earpiece	8. USB Port
9. Volume Control Key	10. Power Key
11. Flash	12. Battery Cover
13. Speaker	14. Camera Lens

2. INSTALLING CARDS

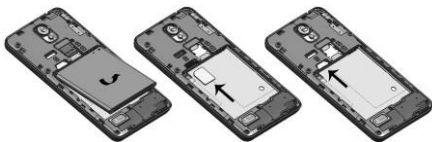
2.1 INSTALLING CARDS & BATTERY

Please switch off your device before inserting or removing the SIM card and memory card.

Installing SIM Card

In order to install battery and SIM card in the device, please follow the steps mentioned below:

- Switch off your device.
- Remove the card slot cover of the device and battery.
- Insert the SIM cards.
- Fix the battery cover until it mounts properly into place.



Installing Memory Card

Your device supports T-Flash card, which is a multimedia memory card used to multiply the memory of the device. The T-flash card is small and should be pulled out and installed carefully and prudently in order to avoid any kind of damage. Please follow the steps mentioned below to install the memory card in the device:

- Switch off your device.

- Remove the card slot cover of the device and battery.
- Insert the T-Flash memory card into the slot.
- Fix the battery cover until it mounts properly into place.



Built-in battery

The device prompts a warning tone and message stating insufficient battery when the battery power is low.

Please follow the instructions mentioned below to charge your device:

- Plug the connector of the charger into the jack of the device.
- Plug the charger into a standard AC wall outlet.

Charging..... 

Fully Charged..... 

You should fully charge the battery before using the device for the first time. It is recommended to charge the battery for three hours before using the device for the first time.

2.2 POWERING ON/OFF THE DEVICE

Turning On the Device

After installing the SIM card/s and charging the battery, you are now ready to turn on your device.

- Long press and hold the Power Key to turn on the device.
- The first screen that appears is known as the home/idle Screen.
- Drag the lock icon sideways to unlock the screen.
- If the screen turns off, then short press the Power Key to turn on the display.

Turning Off the Device

- Press and hold the Power Key.
- A pop-up window appears, select Power off.
- Select OK to confirm.

3. SYSTEM GUIDE

3.1 MAIN SCREEN OPERATING

Notification Panel

The table below lists various icons that might appear on the notification Panel of the device.

	Network intensity of SIM card 1 or SIM card 2
	Battery level of the device
	New short message
	Missed call notification
	Headset is plugged in
	USB connected
	Wi-Fi is connected
	Bluetooth is activated
	GPRS network is in use

3.2 USING YOUR PHONE

Enter main menu

In idle mode press the  key to enter the main menu on the desktop and press the (Home) key to return.

Enter sub menu

In the main menu click the icon to select the sub menu, press the Back key to return to the previous menu, and press the Home key to return to the Home screen.

3.3 CALLING

To Make Calls

If the icon  appears on the screen, then you can make or receive calls.

To make a call, please follow the steps mentioned below:

- Tap , enter the phone number using the on-screen keyboard.
- Tap  to delete a wrong number. Tap and hold it to erase the entire number.
- After entering phone number, tap .
- To end the call, tap .

3.4 MESSAGING

For using your device for sending and receiving of SMS (Short Message Service) and MMS (Multimedia Message Service), go to Main Menu and then select Messaging.

Creating a Message

- Tap  Compose new message.
- In To field; enter the recipient's phone number.
- Type message in the Type to compose field.
- Tap  to Send.

Receiving and Managing Messages

When you send and receive messages to or from a contact, these messages are grouped as a message thread. A message thread looks like an exchanged conversation.

MULTIMEDIA MESSAGE

A Multimedia message or MMS can contain letters, an image, an audio or video file. To create and send a MMS, please follow the steps mentioned below:

- Enter the Main Menu, select Messaging.
- Tap  Compose new message.
- Select Menu > Add subject.
- In the To field, enter the recipient's phone number or email address and enter the Subject.
- To insert a picture or video file, etc, tap .
- To insert text, tap Type to compose, and then enter your message.

3.5 CONTACTS

You can save information such as name, phone numbers, etc. for each contact listed in your Contacts menu.

To add a Contact

- Enter the Main Menu select Contacts.
- Tap  add to contacts .
- Store the contact to SIM card or Phone contact.
- You can fill out as many or as little fields as you'd like for the contact.
- Tap Done to save the contact.

3.6 BROWSER

The Browser is the tool which enables you to access the Internet.

4. HOME SCREEN

4.1 CUSTOMIZING SCREEN

The device features a touchscreen with idle displays and access to utilities at just one-touch. So swipe right or left to navigate through various screens accessing your favorite features without entering the main menu. Each screen can be customized by adding various widgets, shortcuts and folders.

Shortcuts

In order to add a shortcut on the screen: Long press on the desired application to add on the screen.

Widgets

Save time with live updates right on Home screen and get all of your personalized updates at one place.

Setting the wallpaper

You can customize the wallpaper of your Home screen with default wallpaper or with pictures taken from your device.

- Long press the Menu Key > Wallpapers.

Rotating Your Mobile Phone Screen

- The orientation of most screens will change to landscape or portrait view when you rotate your phone sideways.
- On the Home screen, tap  > Settings > Display > Auto-rotate screen to disable this function.

5. MULTIMEDIA

Your device features various multimedia options, such as Music Player, Camera and Video Player.

5.1 FILE MANAGER

You can browse, open and manage the data saved in the Device and Memory card by accessing the File Manager sub-menu. The device provides a certain space for users to manage files and supports the T-Flash card. You can use the file browser to conveniently manage various directories and files on the T-Flash card.

5.2 CAMERA

Your device is equipped with a camera and camcorder that enable you to capture photos and videos.

5.3 GALLERY

You can view the captured images, recorded video clips, and downloaded images in the Gallery.

The picture folder and video folder will be displayed.

Select to view the camera pictures or camera videos. The images or videos will be displayed in thumbnails.

5.4 FM RADIO

You can use your phone to listen to FM radio stations once the original Headset is plugged into the connector. Please press the side key to adjust music volume.

Tap  to exit FM radio function. Tap the ( ) to search the channels.

6. APPLICATIONS & UTILITIES

For your entertainment purpose, your device is provided with several interesting games, applications and utilities. Please ensure that you have GPRS setting in your device to access the applications. Contact your operator for GPRS settings.

6.1 CALCULATOR

Calculator helps you perform basic arithmetic functions, such as addition, subtraction, multiplication and division.

6.2 CLOCK

This function gives you an access to the alarm clock.

- Go to  → Clock
- Tap  > tap  to add alarm.

7. SPECIFICATIONS

Screen	4.5 inch (FWVGA)
Battery	1800 mAh
Dimensions	130.6 X 65.3 X 9.5 mm
Weight	140.5g
Standby Time	Up to 200 hours*
Maximum Talk Time	Up to 7 hours*
Power Adapter	Input: 100-240V Output: 5V/1A

* The standby time and maximum talk time depend upon the network signals and settings.



ENVIRONMENTAL CONCERN

We strive to make products that are safe for our consumers as well as the environment. Come join hands with us and make world a better place to live in.

Preserve natural resources for future generations by recycling your phone. The phone contains some metals, when recycled properly; these can be put back into circulation, decreasing the need for new metal mining. Recycling reduces the need for raw materials, saves energy, helps mitigate Global Warming and reduces pollution, reduces waste products in landfills; therefore, preserves natural resources for the future and saves the planet.

Follow some simple steps and contribute towards saving the planet.

DOs

Recycle your handset and its accessories.

To protect natural resources and to promote re-use of the material, kindly separate batteries from other type of waste.

DONTs

Do not dispose of your mobile and its battery in fire.

Do not dispose your mobile with regular waste.

Do not overcharge your handset. Remove the charger when battery is full.

Don't trash your phone, instead RECYCLE it.

This logo signifies that this product and/or its constituents should not be disposed off with other household waste.

Hazards of Improper handling, accidental breakage, damage and /or improper recycling of hazardous elements

If this product is improperly handled, broken or damaged or carelessly recycled or disposed off in the fire, can result in environmental and data security concerns, including the following:

Affect nearly every system in the human body and result in birth defects, brain, heart, liver, kidney and skeletal system damage. They will also significantly affect the nervous and reproductive systems of the human body;
When burned, create cancer-producing dioxins which are released into the air we breathe; If thrown in landfills, may leach into groundwater affecting your local community;
In warm climates, the oxidation of mercury in the environment can be accelerated, leading to the creation of oxidized Hg atoms that are known to be associated with ozone depletion; and Improper recycling additionally results in data security issues, as private electronic information remains on the hard drive, if not properly removed before disposal.

How to Recycle

Please get your electronic devices recycled only through authorized recyclers, approved by the Pollution Control Board. We provide a facility of recycling of our products. For details



of our collection centers, please visit our website or call our customer care. Help us to GO GREEN.



Constitution of Hazardous Elements in your Device:

Your device does not contain the following hazardous elements in a proportion higher than the limits provided hereunder: maximum concentration value of 0.1% by weight in homogenous materials for lead, mercury, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers; and maximum concentration value of 0.01% by weight in homogenous materials for cadmium.

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.

FCC Note:

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.

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 10 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.

This device is complied with SAR for general population /uncontrolled exposure limits in ANSI/IEEE C95.1-1992 and had been tested in accordance with the measurement methods and procedures specified in IEEE1528.

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 after searching on FCC ID: WVBAL450X.

For this device, the highest reported SAR value for usage against the head is 1.19 W/kg, for usage near the body is 1.19 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 10 mm between the unit and the human body. Carry this device at least 10 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 10 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.