



MATRIX – USER MANUAL



FCC ID: 2AIVG-MATRIX

The 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.

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1 Safety Notice

WARNING: Please pay attention to these guidelines, failure to do so may result in serious bodily injury and/or legal action against the user. The manufacturer does not assume any responsibility to the user who does not abide by the following recommendations or improperly uses the Smart Phone.

- ◆ If the phone supports the “Flight mode” function, please set the mode to “Flight mode” on the plane. If not supported, please turn off the phone before boarding, as the phone may cause interference in flight. Please follow any restrictions on the airplane.
- ◆ Switch the device off near fuel, chemicals, or blasting areas. Keep the device away from the children.
- ◆ While driving please obey local laws and regulations with regard to Smart Phone use. When talking on the phone while driving, please obey the following rules: Concentrate on driving and be aware of traffic conditions; if your Smart Phone has a hands-free function, please use it in this mode. Under poor driving conditions, please stop the car before you dial or pick up the phone.
- ◆ Switch off the Smart Phones in the hospital or other forbidden area. The Smart Phones can affect the normal work of electronic equipment and medical devices, such as pacemakers, hearing aids and other medical electronics equipment.
- ◆ Non-original accessories and components are not provided with repair warranty qualification.
- ◆ Please do not disassemble your phone by yourself: if your phone is out of order, please contact your supplier.
- ◆ Please do not charge the Smart Phone before the battery is installed. Do not short-circuit the battery.
- ◆ Smart Phone must be charged in a well ventilated and cool environment: away from flammable and explosive materials.
- ◆ In order to avoid demagnetization, please keep Smart Phone away from the magnetic material, such as disks, credit card etc.
- ◆ Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery, and contact the supplier.
- ◆ Do not use the Smart Phone in too high or too low temperature environment, and do not expose the Smart Phone to strong sunlight or high humidity.
- ◆ Do not use liquid or wet cloth with strong detergent to clean the device.
- ◆ This Smart Phone is equipped with photo, video, and sound recording functions; please follow the relevant laws and regulations to use those functions. Photography, video recording and sound recording without authorization may violate laws and regulations.
- ◆ While using the network functions, please do not download files which may contain a virus, and do not install any photos and ring tones which have been damaged, the company will not assume any responsibility.
- ◆ Please dispose of batteries according to local regulations, and recycle when possible. Please do not dispose as household waste.

STATEMENT: Our Company reserves the right to revise this manual content without prior notice.

2 Getting Started

2.1 Turning the Phone On and Off

To turn on or off the phone please hold down **the Power key**.

If you turn on the phone without having inserted the SIM card, phone will display “**No SIM card**”. After inserting the SIM card, the phone will automatically check if the SIM is useable.

The following will be displayed in this order:

Input Phone Lock Code

—If you set the Phone Lock.

Input PIN

—If you set the SIM Lock.

Searching

—The phone will conduct a search to find the appropriate network connections.

2.2 Battery charging

- Plug the charger connector into the phone, and plug the charger into the electrical outlet.
- At this time the charge level icon will repeatedly flash at the top right corner of the mobile phone’s screen; If the mobile phone is charging while powered off, a charging indication will appear on the screen. The mobile phone may take some time after having begun charging until indication of charging appears on the screen.

When the battery level icon does not flash anymore, this means that the battery is fully charged. If charging while power off, there will still be an indication on the screen when the charging is complete. This process usually takes more than 2.5 hours. The mobile phone and charger will become warm during charging and this is normal.

- When charging is complete, unplug the charge connector from the electrical outlet and the mobile phone.

ATTENTION:

- Charging must be performed in a well-ventilated area with a temperature between -10 C and +45 C. The factory-supplied charger must be used. Using an unapproved charger could be dangerous in addition to being in breach of the provisions of the repair warranty.
- If the mobile phone automatically shuts down, or indicates that “Battery is low” you should immediately charge the battery. If the battery has not been entirely used up before charging, the mobile phone will automatically decrease the recharging period.

3 Function Menu

3.1 Contact

You can use the phonebook function to save contact information. There you can view and manage your contacts.

3.2 Messaging

You can send or receive SMS and MMS through the messaging function.

3.3 Phone features

3.3.1 Calling

Enter the phone number, including the area code, select the SIM card and start to make a call. During in a call, it will display the call status information, if you need to input the number, please directly press the number key. For international calls, press “0” key to switch, until the international phone prefix “+” appears on the screen, enter the country code and full number you wish to call.

3.3.1.1 Shortcut dial

In the dialer interface, hold the shortcut dial number keys in corresponding list of (2 ~ 9) can dial a phone. Number1 key has been preset voice mail shortcut dial.

3.3.1.2 Call using the contacts

1. Press the Home key, click on the “People” App to open the contact.
2. Press the Menu key -> Search, Search for the contacts in the contact list
3. Click on the contact -> select the SIM card call.

3.3.1.3 Call from the call log

1. Press the Home key, click on “Dial” icon to open the dialer.
2. Click on the call records list. You can also choose from contact interface call records tag page open call records list.
3. Click on the call log -> select the SIM card to make the call.

3.3.1.4 Call from the message

1. Press the Home key, click on “SMS” icon to open the message.
2. Click to select and open the needed messages or conversation.
3. Click on the desired message. If the message contains multiple numbers, the phone can be activated automatically to options menu you choose information required number, click on the call button to dial.

3.3.1.5 Emergency calls

Whether a SIM card is installed or not, the phone can call the emergency phone number for help. for example, dial number **999**.

3.3.1.6 Answer a call

When you received a call from contacts, slide the answer button to right to answer the call.

If the headset is plugged in, you can also use the button on the headset to answer the call.

3.3.1.7 End the call

When you receive a call, simply slide the button to the left to refuse the call. While in conversation, click on the end call button to end the current call.

3.3.1.8 Call options

While in calling, you can do the perform the following:

- **Mute**
To stop transmitting the user's voice.
- **Hold**
Put a call on pause.
- **Un hold***
Resume the call.
- **Speaker**
Activate or turn off the PA.
- **Contacts**
Enter contacts menu.
- **Add call**
Add a new call.
- **Dial pad**
Begin to dial new call.
- **End call**
End the call.

3.4 Using the mobile phone memory card as U disk

1. Use the USB line to connect the mobile phone to the computer. The status bar will show the notification icon.
2. Open the notice panel.
3. In the notification panel, touch "USB connected", and then touch "turn on USB storage".

NOTICE: If you in the cell phone connections to the computer select open USB storage devices, mobile phone will not be able to identify memory CARDS. You will not be able to use some of the mobile phone applications, such as the camera.

3.5 WLAN

Provide as far as 300 feet WLAN (100 M) wireless network access range. If you want to use the mobile phone outside of WLAN, you have to connect to wireless access point or "hot spots".

NOTICE: The availability of WLAN signal coverage and will depend on the quantity, infrastructure, and other signals penetrate the object and decide.

3.5.1 Open the WLAN and connect to a wireless network

1. Press the Home key, click on Setting-> Wireless & networks.
2. Select WLAN check box, to open Wi-Fi. The phone will automatically scan for all available wireless networks.
3. Click on the Wi-Fi settings. Then WLAN network will display a list of WLAN to find the network name and security Settings.

4. Touch one of the WLAN networks to connect. When you select an open network, the mobile phone will automatically be connected to the network. If the network you select is a WEP, or WPA/WPA2 encrypted network, you must first input a corresponding password, and then the touch connects.

3.5.2 Connect to other WLAN networks

1. Wireless and network on the screen, touch the WLAN settings. Find WLAN networks will be displayed in the WLAN network list.

2. Touch other WLAN networks can be connected to the network.

NOTICE: In addition, the mobile phone via GPRS Internet. GPRS SIM card in our current default boot is open, the user can manually select the specific location in "Settings -> SIM management -> Data connection, touch "Data connection" to close the current SIM card data connection.

3.6 Bluetooth

3.6.1 Turn on Bluetooth or set the phone can be detected

1. Press the Home key, click on Setting

2. Click on "Wireless & networks", Then Select "Bluetooth" check box, to open Bluetooth. The phone will automatically scan can be used a wireless network. After open,

the status bar will appear Bluetooth ). Touch the "Scan for devices" will begin to scan for Bluetooth devices within range.

3. Touch Bluetooth Settings, All the equipment will show up in Bluetooth devices list below.

(Select the check box can be detected, the phone is set to be detected, so that within the scope of other Bluetooth devices can find the phone.)

Important: cell phones can detect the longest time for two minutes.

3.6.2 Matching and connecting Bluetooth headset

1. Press the Home key, click on Setting.

2. Click on "Wireless & networks" -> Bluetooth Settings, Then Select Bluetooth check box, to open Bluetooth. Then your phone to scan within the scope of the Bluetooth, and will all find to device display in Bluetooth device list below.

Equipment found below in the list of Bluetooth devices.

3.6.3 Interrupt and the Bluetooth headset connection

1. Press the Home key, click on Setting -> Bluetooth Settings.

2. In the list of Bluetooth devices, touch or tap and hold hands-free headset is connected.

3. Long press and select "Disconnect & un pair".

4 Application

4.1 Browser

Click the browser icon to open the browser. In the browser, you can open the page by the following methods:

1. Click on the browser address bar, input the web site URL.

2. Touch the menu key-> bookmarks, choose open bookmarks or click on the most visited/history records label page to choose other open web pages.

4.2 Email

Enter E-mail address and login password, choose communication protocol, Select data account [Edit wireless local area network or SIM card to connect to the E-mail network] , Setting receiving server and send server address Edit user name [username need to use the name generate itself], and save Settings, enter the mailbox options to write and receive mails.

4.3 Setting

4.3.1 SIM management

- SIM information: Choose SIM card enabled or disabled.
- Default: Set up voice call, messaging and data connection use the default SIM card
- General setting: Set the SIM card roaming and contacts & SIM.

4.3.2 Wireless & networks

- Airplane mode: Disables all wireless connections.
- Wi-Fi: select on or off.
- Wi-Fi settings: Set up and manage wireless access points, etc.
- Wi-Fi Direct settings: Set up and manage WLAN Direct.
- Bluetooth: Open/close Bluetooth.
- Bluetooth settings: Manage connection, setting device name, etc.
- Tethering & portable hotspot: Will move data connection through cell phone USB or as a portable WLAN hot spot.
- VPN settings: Setup and manage virtual private network.
- Mobile networks: Check the mobile data usage, set access point name and network operators.
- GPRS transfer prefer: Move data connection through cell phone USB to share.

4.3.3 Call settings

- Voice call
- IP call
- Other settings:

4.3.4 Audio profiles

- General
- Silent
- Meeting
- Outdoor

4.3.5 Display

- Wallpaper: Set up the wall paper of mobile phone
- Brightness: Set the brightness of the phone display
- Auto-rotate screen: Set up automatically rotating screen.
- Animation: Display window animation Settings.
- Screen timeout: Automatic adjustment screen the delay time.

4.3.6 Location

- Use wireless network: The use of mobile network in application to check position.
- Use GPS satellites: Accurate location to street level.
- GPS EPO assistance: Use GPS auxiliary material (EPO) to accelerate the GPS positioning.
- EPP settings: View the modified EPO configuration information
- A-GPS: Use auxiliary data can accelerate the GPS positioning.
- A-GPS: View the modified A-GPS Settings

4.3.7 Security

- Screen unlock: Use design, PIN or password lock screen.
- SIM card lock: Can open/close lock a SIM card and the SIM card PIN change.
- Passwords: Enter the password can see of characters.
- Device administration: Add or delete device manager.
- Credential storage: Allows the application to access security vouchers and other documents.
- Install from SD card: From the SD card installed encryption certificate.
- Set password: Set or modify the documents stored password.
- Clear storage: Remove all of the contents of the documents stored and reset the password.

4.3.8 Applications

- Unknown sources: Setting is allowed to install the electronic market to provide application.
- Manage applications: Manage and delete installed applications.
- Running services: Check and control the currently running services.
- Storage use: Check the amount of storage space.
- Battery use: Check the power consumption.
- Development: Set the application development options, set USB debugging, keep sensei state and allow simulation place Settings.

4.3.9 Accounts & sync

- Background data: Applications can always synchronize, send and receive data.
- Auto-sync: Applications automatic synchronize data.

4.3.10 Privacy

- Factory data reset: Remove all data on mobile phones.

4.3.11 Storage

- SD card: view SD card total space and available space.
- Mount SD card: After unloading SD card, SD card will not display.
- Erase SD card: Remove all the data from the SD card.
- Internal storage: Display available space.

4.3.12 Language & keyboard

- Language settings: can select language and user dictionary.
- Keyboard settings: choose the Android keyboard, or other input method.

- Input method: Choose input method.

4.3.13 Voice input & output

- Text-to-speech settings: set to Listen to an example, always use my setting.
- Default settings: set to Default Engine, install voice data, Speech rate, and language.
- Engines: Pico TTS settings.

4.3.14 Accessibility

Accessibility: set Open/close.

Power button ends call: Pressing power key will end the call, not shut down the screen.

Quick boot: set Open/close.

4.3.15 Date & time

- Automatic: Use networks to display a time and date.
- Set date: Manually edit date.
- Select time zone: Manually choose time zone.
- Set time: Manual set a time.
- Use 24-hour format: set Open/close.
- Select date format: Choose the date the format of the show

4.3.16 Schedule power on/off

Manually set the timer to power the mobile device on/off automatically

4.3.17 About phone

- System updates
- Status: Check the current state of the mobile phone.
- About battery: View power consumption situation
- Legal information: check the open source license
- About version: Display model.

4.4 Camera

1. During the view-finding mode, adjust the lens to allow what is being photographed to appear in the viewfinder.

2. After framing the picture, you wish to take, keep the camera steady and press”  “to take pictures.

3. After taking photos. Click the photo preview on the bottom right, you can view the menu for the following operations:

1. You can share the photo via MMS, E-mail or Bluetooth, etc.
2. Click the photo for more operations, such as deleting

4.5 Music

1. Click on the artist/albums/songs/ library, there you will find the music files.
2. Click on the music files to start playing.

4.6 File manager

In the main menu, click on file management to enter into the file management list and show the memory card list. Copy, view, cut, delete, rename, share and view details of: New folder, existing folders and files.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

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

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 different from that to which the receiver is connected.
- ▶ -Consult the dealer or an experienced radio/TV technician for help.

Specific Absorption Rate (SAR) information:

This WCDMA/GSM MOBILE PHONE meets the government's requirements for exposure to radio waves. 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.

FCC RF Exposure Information and Statement

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: MATRIX (FCC ID: 2AIVG-MATRIX) 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 0.651W/kg and when properly worn on the body is 0.347W/kg. This device was tested for typical body-worn operations with the back of the handset kept 10mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 10mm 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.

Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 10mm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.