Getac

Z710

USER MANUAL

Rugged Mobile Computing Solutions

April 2013

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Notes
Depending on the specific model purchased, the color and look of your device and accessories may not exactly match the graphics shown in this document.
The screenshots and other presentations shown in this document are for reference only. They may differ from the actual screens and presentations generated by the actual product.
Your device is based on Google's Android 4.1 operating system, with additions by Getac.
For the latest version of the manual, please visit the Getac website at www.getac.com.

Table of Contents

Chapter 1

Getting Started

This chapter introduces you to the external components of your device and guides you through the process of setting up your device for use.

Identifying Hardware Components

Front Components

Ref	Component	Description	See Also
❶	**Camera Lens**	Takes still pictures or records video clips. The front lens supports 1 MP (mega pixel).	P. 5-4

Ref	Component	Description	See Also
❷	**Light Sensor**	Senses the ambient light for automatic adjustments of the display backlight.	
❸	**Indicators**		
	(((ʎ))) **Mobile Phone Indicator**	Flashes in **blue** to indicate that the phone function (select models only) is switched on.	P.3-2
	📶 **RF (Radio Frequency) Indicator**	Flashes in **blue** to indicate that the Bluetooth radio is on.	P. 3-4
		Flashes in **amber** to indicate that the WLAN (wireless network) radio is on.	P. 3-2
		Flashes in **purple** to indicate that the GPS receiver is on.	
		If more than one module is switched on, the indicator changes color in a cyclic way.	
	🔋 **Charge/ Notification Indicator**	Glows in **amber** to indicate that battery charging is in progress.	P. 1-8
		Glows in **green** to indicate that the battery is fully charged.	
		Flashes in **amber** to indicate that the current battery level is insufficient for starting up the device. Wait till the flashing light turns into solid light before you try to start up the device.	
		Flashes in **red** and **amber** by turns to indicate that the battery is in an abnormal state. Ask for repair service in case this happens.	
		Glows in **red** to indicate that the battery power is critically low (less than 10%).	
		Flashes in **red** to inform you of scheduled appointments, alarms and reminders.	
❹	**Touch Screen**	Displays the output of your device and responds to your touching.	P. 2-2

Back Components
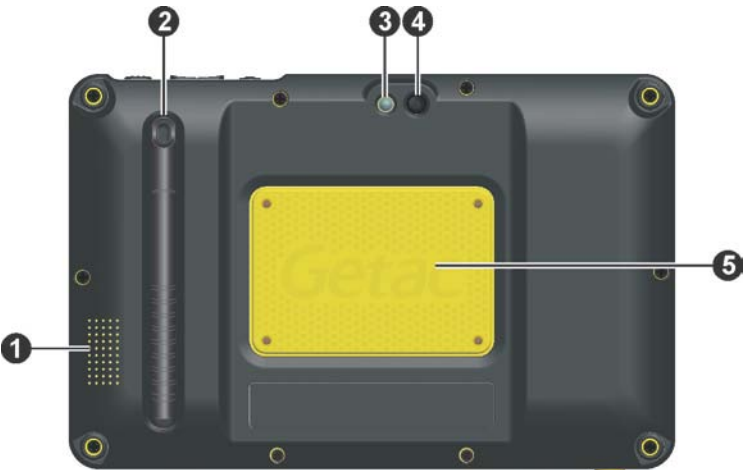
Ref	Component	Description	See Also
❶	**Speaker**	Plays music, sounds and voices.	
❷	**Stylus**	Serves as the input device by tapping on the touchscreen to make selections and enter information. Store it in the slot when not in use.	P. 2-2
❸	**Flash**	Provides extra light when taking pictures.	P. 5-4
		Can also function as torch light when set accordingly.	
❹	**Camera Lens**	Takes still pictures or records video clips. The rear lens supports 5 MP (mega pixel).	P. 5-4
❺	**RFID Antenna** (Optional)	Inside is the RFID antenna that reads RFID (Radio-frequency identification) tags.	P. 6-10

Top Components

Ref	Component	Description	See Also
❶	**Barcode Reader Lens** (Optional)	Scans and reads barcodes.	P. 6-1
❷	**Power Button**	Starts up your device.	P. 2-1
		Turns off or restores the screen.	
		When pressed longer: Opens a menu with options for **Power off**, **Airplane mode**, and silent/vibrate/ring mode.	
❸	**Volume Control Buttons**	🔉 decreases the sound volume.	
		🔊 increases the sound volume.	
❹	**Trigger Button**	Provides the "trigger" function for the barcode reader.	
		Can be redefined.	P. 7-5

Bottom Components
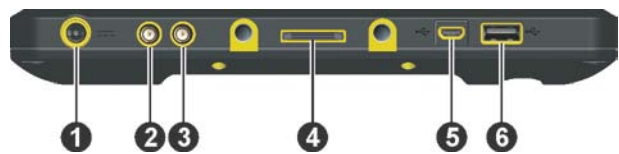
Ref	Component	Description	See Also
❶	**Power Connector**	Connects to the AC adapter.	P. 1-8
❷	**WWAN Pass-through Connector** (Optional)	Connects the external antenna for WWAN (wireless wide area network) connectivity.	
❸	**GPS Pass-through Connector** (Optional)	Connects the external antenna for GPS signal reception.	
❹	**Docking Connector**	Connects to the office or vehicle dock (purchased separately).	
❺	**Micro USB Host Connector**	Connects to a computer via USB cable (purchased separately) for data transfer.	P. 3-5
❻	**USB Client Connector**	Connects to a USB device.	

Left-Side Components
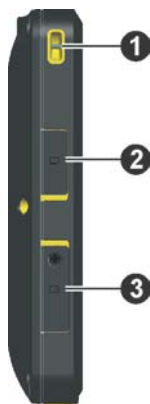
Ref	Component	Description	See Also
❶	**Tether Holder**	For holding a tether (such as the stylus tether). There is one holder on the left side and another on the right side.	P. 1-11
❷	**MicroSD Card Cover**	Inside is the microSD card slot.	P. 1-10
❸	**SIM Card Cover**	Inside is the SIM card slot (for select models only).	P. 1-7

Getting Your Device Ready for Use

Installing the SIM Card (Select Models Only)

1. Remove the screw from the SIM card cover and flip open the cover.

2. With the SIM card's chip side facing the back of the device and the beveled corner pointing to the slot, insert the card all the way into the slot.

NOTE: To remove the SIM card, slightly push in the card to release it and then pull the card out of the slot.

3. Close the cover and tighten the screw.

Connecting to AC Power and Charging the Battery

Be sure to fully charge the battery before using your device for the first time.

1. Fit the converter plug to the AC adapter (❶).

2. Connect the DC jack end of the AC adapter to your device (❷) and the other end to a wall outlet (❸).

Converter Plug

3. The charge indicator glows in amber when charging is in progress. Do not disconnect your device from AC power until the battery is fully charged, as indicated by the amber indicator turning into green. This will take a couple of hours.

CAUTION: For optimal performance of the lithium battery, take note of the following:

● Use the included AC adapter only.
● There is no need to fully discharge the battery before charging. You can charge the battery before it is discharged.
● Do not charge the battery where the temperature is high (e.g. in direct sunlight).

- As a battery protection, store the device where the temperature is appropriate. Avoid high temperatures.
- The battery can be charged when its temperature is between 0°C (32°F) and 40°C (104°F).
- If you will not use the product for a long period of time, be sure to fully charge the battery at least once every two weeks. Over discharge of the battery can affect the charging performance.

Performing the Initial Startup

When turning on your device for the very first time, you will be guided through a setup process.

1. Make sure that your device is either connected to AC power or the battery has power.

2. Press the power button.

   The device powers up and displays the initial screen.

3. **Select Models Only:** If a SIM card has been inserted and the mobile phone network operator (or you) has set the PIN, you will be prompted to enter the PIN. Touch **OK** after entering the PIN.

4. Follow the on-screen instructions to complete the initial setup process.

5. After the setup is completed, the Home screen appears. You can now use your device.

Using Options

Using a MicroSD Card

Your device has a microSD card slot where you can insert a microSD memory card.

Inserting a MicroSD Card

1. Flip open the microSD card cover.

2. Insert the card into the slot, with the connector pointing to the slot and its label facing the front of the device.

3. Close the cover.

Removing an SD card

You can safely remove the SD card from your device any time the device is shut down. If you need to remove the card while the device is on, unmount the card first to prevent corrupting or damaging the card.

To unmount:

1. Touch ⊞ (on the Home screen) → **Settings**.

2. Touch **Storage** and touch **Unmount SD card** under **EXTERNAL SD CARD**.

3. Flip open the microSD card cover. Press the edge of the card to release it and then pull the card out of the slot.

Using the Tether

A tether is provided for attaching the stylus to your device.

1. Insert one of the tether's loop ends through the hole of the stylus (as indicated by ❶ below). Then, insert the other end through the first loop (as indicated by ❷ below) and pull it tight.

2. Insert the other loop end to the right-side holder on the device (as indicated by ❶ below). Then, insert the stylus end through the loop (as indicated by ❷ below) and pull it tight.

Chapter 2

Basic Skills

This chapter familiarizes you with the basic operations of your device.

CAUTION: The device can get uncomfortably warm when you use it in high temperatures. In such a circumstance, please take safety measures (such as wearing gloves) to protect yourself. Prolonged body contact can cause discomfort and potentially a burn.

Waking Up and Shutting Down

Waking Up

Your device sleeps after a period of inactivity (1 minute by default). You can also manually put your device to sleep by briefly pressing the power button.

To wake up, press the power button and, at the lock screen, drag the lock icon toward the unlock icon.
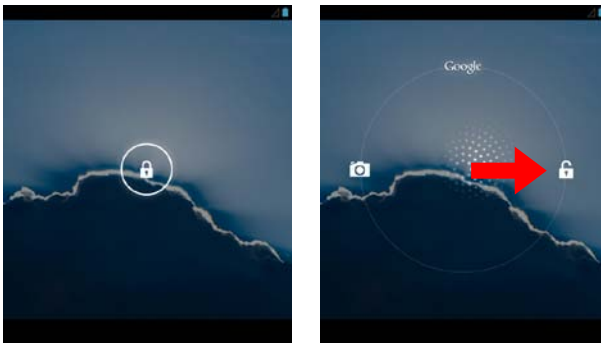
Shutting Down

Press and hold the power button until a menu pops up. Touch **Power off** and then **OK**.

Navigating on the Screen

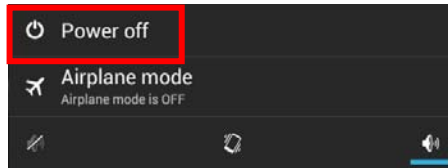**CAUTION:** Do not use sharp objects on the touchscreen. Doing so may damage the display surface. Use the included stylus or your finger.

NOTE: The stylus can be tethered to your device. Store it in the slot (on the back of your device) when not in use.

Use the stylus (or your finger) to navigate and select objects on the screen.

Here are some common terms that you should know when using the touchscreen:

- **Touch**
  Touch the screen once with the stylus to open an item or select an object.

- **Touch and hold**
  Touch and hold the stylus on an item to see a list of actions available for that item.

- **Drag**
  Hold the stylus on an item and, without lifting the stylus, move across the screen until you reach the target position.

- **Swipe** or **slide**
  Move the stylus across the screen, without pausing when you first touch it (so you don't "drag" instead). For example, you slide the screen up or down to scroll a list.

- **Pinch**
  In some applications (such as Maps and Gallery), you can zoom in and out by placing two fingers on the screen at once and pinching them together (to zoom out) or spreading them apart (to zoom in).

Landscape or Portrait View

Your device supports a landscape view and a portrait view (rotate 90° to the left) as shown below. The display orientation changes automatically when you rotate the device 90° to the left or back.

Landscape   **Portrait**
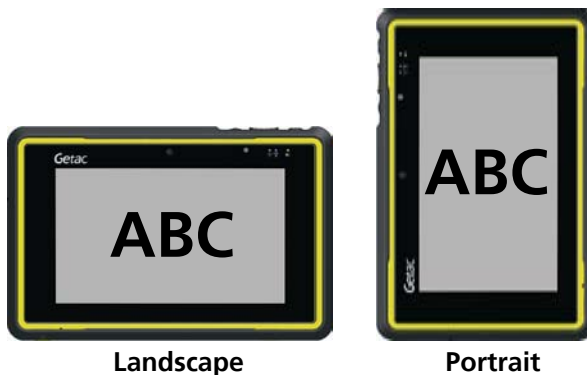
NOTE: The orientation remains landscape when you rotate the device 90° to the right or 180° to an upside down manner.

Home Screen

The Home screen is your starting point to access all the features on your device. You can have it display application icons, widgets, shortcuts, and other features that you want. The default Home screen already contains some shortcuts and widgets.
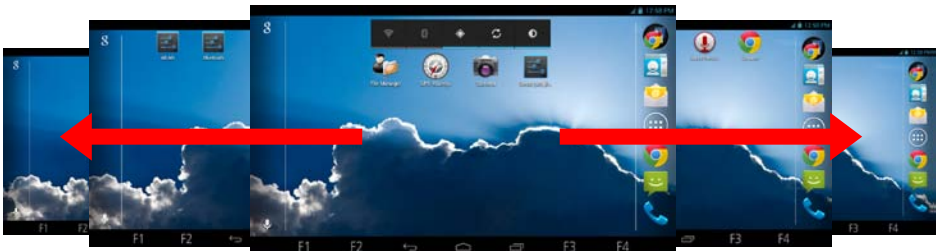
On the right side of every Home screen is the Favorites tray.

To return to the Home screen at any time, touch at the bottom of the screen.

Extensions to the Home Screen

You can slide left or right across the Home screen to see other parts of the Home screen. Extensions to the Home screen provide more space for widgets, shortcuts, and other items.

Customizing Your Home Screen

You can add application icons, shortcuts, widgets, and other items to any part of the Home screen where there's free space. You can also change the wallpaper.

Adding an Item to the Home Screen

1. Touch on the Home screen.

2. Touch **APPS** or **WIDGETS** depending on the type of item you want to add.

3. Touch and hold an item to add. Drag it to the where you want to place it and then release it.

Removing an Item from the Home Screen

Touch and hold the item you want to remove. Drag it to the X icon at the upper left corner of the screen.

Changing the Wallpaper

1. Touch and hold an empty area of the Home screen and in the menu that opens, touch a wallpaper source.

2. Select the image you want.

3. Touch **Save** or **Set wallpaper**.

Using Applications

Touch (in the Favorites tray) on the Home screen to open the All Apps screen. The screen holds icons for all of the applications on your device. Touch an icon to open the application.
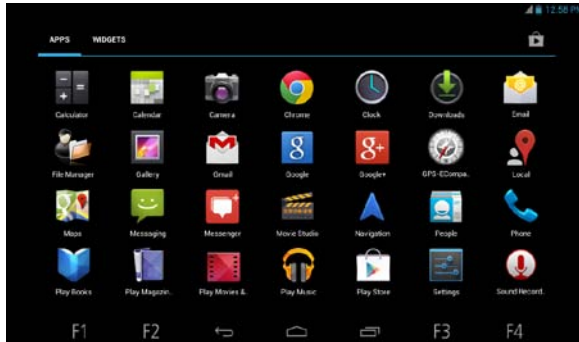
Most applications include a Menu icon near the top or lower right corner of the screen. The menu contains tools that apply to the activities of the current screen or application.

Navigation Bar

The navigation bar at the bottom of the screen provides buttons for navigation purposes and frequently-used tasks.

Button	Name	Description	See Also
F1	F1	Opens File Manager.	
		You can assign a different application to the button.	P. 7-5
F2	F2	Opens GPS-ECompass.	P. 6-6
		You can assign a different application to the button.	P. 7-5
	Back	Goes back to the previous screen.	
	Home	Opens the Home screen.	P. 2-4
	Recent Apps	Opens a screen containing thumbnails of applications you've used recently. Touch a thumbnail to open that application.	
F3	F3	Serves as the shutter button for Camera. When pressed longer, it opens Camera.	P. 5-4
		You can assign a different application to the button.	P. 7-5
F4	F4	Opens the Search box.	
		You can assign a different application to the button.	P. 7-5

Status Bar and Notifications Panel

The Status bar appears at the top of almost every screen. It displays icons indicating that you've received notifications (on the left) and icons indicating the current status (on the right), along with the current time.

Notifications icons   *Status icons*

You can open the Notifications panel by swiping down from the top. To respond to a notification, touch it in the panel.

Toggle screen rotation lock.   *Open Settings.*

Clear all.
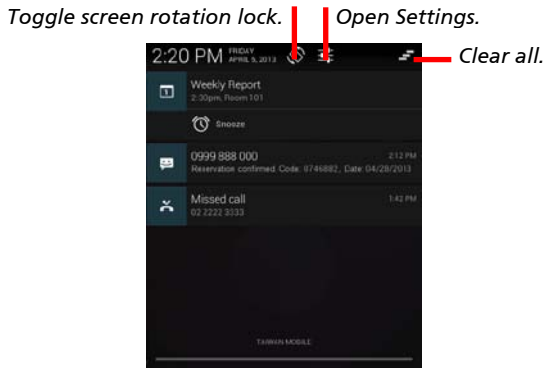
Entering Information

You enter text, numbers, and symbols using the onscreen keyboard. Some applications open the keyboard automatically. In others, you touch an input field where you want to enter text to open the keyboard.

To enter text, touch the keys on the keyboard to type. To enter numbers or symbols, touch the Symbols key ?123 to switch to the numbers and symbols keyboard.

Chapter 3

Getting Connected

This chapter tells you how you can get your device connected through a variety of ways.

Overview

Types of Connections

Your device can connect to a variety of networks and devices, including mobile networks for voice and data transmission, WLAN networks, and Bluetooth devices, such as headsets. You can also connect your device to a computer to transfer files.

Entering Airplane Mode

Some locations may require you to switch off all wireless radios. You can do so by placing your device in Airplane mode.

To quickly enter Airplane mode, press and hold the power button until a menu pops up. Touch **Airplane mode**. The 🛫 icon displays in the Status bar.
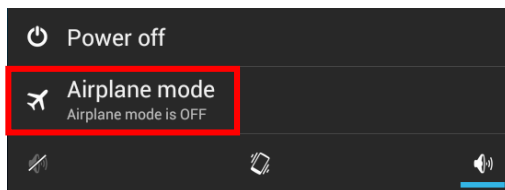
Connecting to Mobile Networks (Select Models Only)

Your device supports HSDPA (High-Speed Downlink Packet Access). HSDPA is an enhanced 3G (third generation) mobile telephony communications protocol. It can operate on 850/900/1800/1900/2100MHz.

Mobile network is enabled by default. The icons in the Status bar indicate which kind of data network you're connected to and the voice and data network signal strength.

To check or modify settings, touch [icon] (on the Home screen) → **Settings** → → **More** (under **WIRELESS & NETWORKS**)→ **Mobile networks**.

Using WLAN Networks

Turning WLAN On or Off

Touch the widget [icon] on the Home screen to turn WLAN on or off.

Or, perform these steps:

1. Touch [icon] (on the Home screen) → **Settings**.

2. Find the **WLAN** item under **WIRELESS & NETWORKS**. Slide the WLAN switch on or off.

When WLAN radio is turned on and your device finds a network that you connected to previously, it connects to it.

NOTE: When not using WLAN, turn off the radio. Leaving the radio on will consume more power.

Connecting to a WLAN Network

1. Make sure the WLAN radio is on. (See "Turning WLAN On or Off" previously.)

2. Touch (on the Home screen) → **Settings**.

3. Touch **WLAN**.

    Your device scans for available WLAN networks and displays the names in the screen.

4. On the list of discovered networks, touch the one you want to connect to.

5. If the network is secured, you're prompted to enter a password or other credentials.

    If the network is open, you are prompted to confirm that you want to connect to it.

Using the Bluetooth Function

NOTE: Getac does not guarantee the product's compatibilities with the Bluetooth headsets/devices from all manufacturers.

Turning Bluetooth On or Off

Touch the widget on the Home screen to turn Bluetooth on or off.

Or, perform these steps:

1. Touch (on the Home screen) → **Settings**.

2. Find the **Bluetooth** item under **WIRELESS & NETWORKS**. Slide the Bluetooth switch on or off.

NOTE: When not using the Bluetooth function, turn off the Bluetooth radio. Leaving the radio on will consume more power.

Pairing with a Bluetooth Device

The first time you use a new Bluetooth device with your device, you must "pair" them, so that they know how to connect securely to each other. After that, you can simply connect to a paired device.

1. Make sure that the other Bluetooth device is set as "discoverable" and within range.

2. Make sure the Bluetooth radio is on. (See "Turning Bluetooth On or Off" previously.)

3. Touch (on the Home screen) → **Settings**.

4. Touch **Bluetooth**.

    Your device scans for and displays the IDs of all available Bluetooth devices in range.

5. On the list of discovered devices, touch the ID of the device you want to pair with.

6. The devices pair with each other. If you're prompted to enter a passcode, try entering 0000 or 1234 (the most common passcodes), or consult the documentation that came with the device to learn its passcode.

   If the pairing is successful, your device connects to the device.

Connecting to a Computer via USB

You can connect your device to a computer with the USB cable, to transfer files between your device and the computer.

Use the USB cable (available to you as an option) to connect the device to a USB port on your computer.

Adding an Account

You can add Google Accounts and Microsoft Exchange ActiveSync accounts in your device so you can sync contacts, email, and calendar events.

NOTE: To add some accounts, you may need to obtain details from an IT support representative about the service to which the account connects.

1. Make sure your device is connected to the Internet

2. Touch (on the Home screen) → **Settings**.

3. Under **ACCOUNTS**, touch **+Add account**.

4. Follow the onscreen steps to enter the required and optional information about the account.

5. Configure the account.

    When you're finished, the account is added to the list. Depending on how you configured the account, email, contacts, and other information start syncing to your device.

Chapter 4

Placing and Receiving Calls (Select Models Only)

This chapter tells you how to use the Phone application.

Opening the Phone Application

You can open the Phone application by several ways:

● Touch the Phone icon 📞 (in the Favorites tray) on the Home screen.

● Touch the **Phone** application icon in the All Apps screen.

● Touch a phone number item in an application.

Placing a Call

Dialing a Call

1. Open the Phone application. Touch if you are not in the phone keypad screen.

2. Touch the keys on the phone keypad to enter phone number.

3. Touch the white phone icon at the bottom of the screen to place the call.

Placing a Call from Contacts

1. Open the Phone application. Touch . You will see your contacts list.

NOTE: Besides managing your contacts information from here, you can also use the People application to manage the information.

2. Touch the phone number to use to call the contact.

Placing a Call from the Call Log

1. Open the Phone application. Touch 🕐 .

    The Call log is a list of all the calls you've made, received or missed.

2. Touch the white phone icon at the right of the entry.

Responding to a Call

When you receive a phone call, the Incoming Call screen opens with the caller ID and any additional information about the caller that you have entered in Contacts.
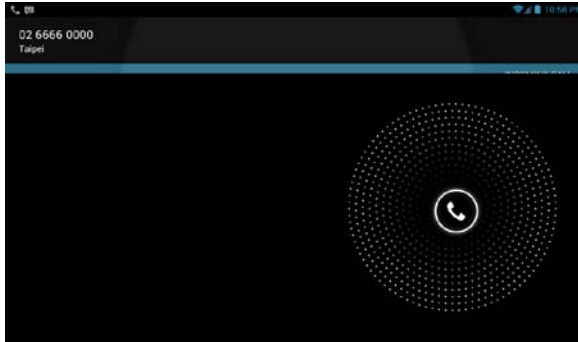
Answering a Call

To answer an incoming call, drag the white phone icon to the right toward the green phone icon.
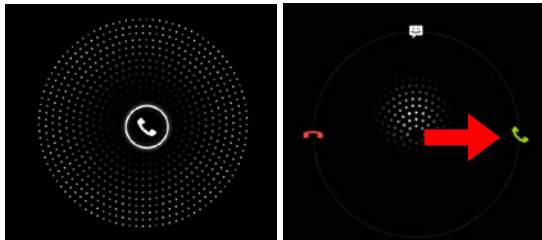
Declining a Call

To decline an incoming call, drag the white phone icon to the left toward the red phone icon.

Ending a Call

To end a call, touch the red bar at the bottom of the screen.

During a Call

Adjusting the Phone Volume

To adjust the call volume, use the volume control button on your device (🔊 to increase or 🔉 to decrease).

CAUTION: Never raise the sound volume level too high when using earphones. An excessive sound volume level could cause damage to your hearing.

Using Additional Functions

When a call is in progress, you can put a call on hold, create a phone conference, mute your microphone, and more. Use the icons on the screen for various operations
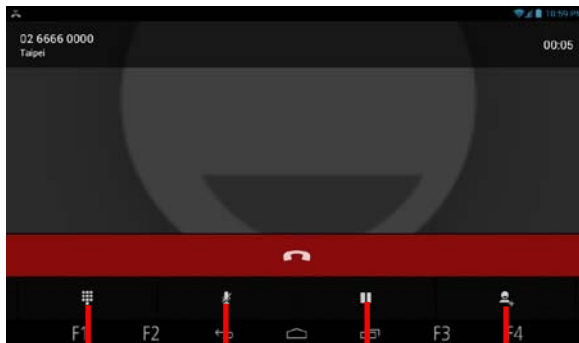
Open the phone keypad.

Mute the microphone during the call.

Place another call while putting the current call on hold.

Place the call on hold.

More Phone Operations

Reading or Sending Messages

To read or send text messages (SMS) and multimedia messages (MMS), use the Messaging application.

Checking Your Voicemail

When you have a new voicemail message, the ☻ icon appears in the Status bar. To listen to your voicemail, open the Notification panel and touch the notification item.

Making an Emergency Call

You can use your device to dial the international emergency number 112. This number can normally be used to make an emergency call in any country with or without a SIM card inserted, as long as you are within a mobile phone network.

Some mobile phone network services may require that a SIM card be inserted, and in some cases that the PIN be entered.

There may be other emergency numbers available. Your mobile phone network service may save additional local emergency numbers in the SIM card.

Dialing an International Call

When you are manually dialing a number, touch and hold on the number key 0 until the + sign appears. The + sign replaces the international prefix of the country from where you are calling.

Enter the full phone number you want to dial including country code, area code (without the leading area code zero) and local phone number.

Configuring Phone Settings

In the Phone application, touch ⠿ → **Settings**.

NOTE:

● Available setting items depend on from which screen you touch ⠿.

● Some setting items are available only for specific subscriptions you have with your carrier.

Item	Description
Phone ringtone	To set the ringtone to sound when you receive a phone call.
Vibrate when ringing	Check to have the device vibrate when you receive a phone call.
Voicemail	To enter the phone number to use for listening to and managing your voicemail.
Dial pad touch tones	Check to hear tones when you dial a number.
Quick responses	To edit existing quick response text. You can send quick response text messages if your phone is ringing but you can't answer it.
Fixed Dialing Numbers	To limit use to outgoing calls only to the fixed dialing numbers (FDN) that you save on the SIM card.
Enable Notification Bar	Check to enable the use of Notifications panel while in a call.
Call forwarding	To configure how your calls are forwarded when you are on the phone, when you don't answer, and so on.
Additional settings	To configure "caller ID" and "call waiting" features.
Accounts	To change your incoming call preference or Internet calling account settings.
Use Internet calling	To change your outgoing call preferences

Chapter 5

Android Preinstalled Applications

This chapter briefly introduces the Android 4.1 preinstalled applications from Google.

Applications Overview

For instructions on using the applications, check Google official website for online help.

Apps	Descriptions
Calculator	Use Calculator to solve arithmetic problems. You can then paste the results into another application.
Calendar	The Calendar app works with the web-based Google Calendar calendaring service. It also works with the Microsoft Exchange ActiveSync calendaring service.
Camera	Use Camera to take pictures and shoot videos. (See "Camera" later in this chapter for more information.)
Chrome	This is the web browser from Google. Sign in to sync your Chrome browser experience from your computer
Clock	Use Clock to display the date and time in large characters on your screen.
Downloads	The Downloads app lets you to manage most downloads.

Apps	Descriptions
Email	Use Email to read and send email from services other than Gmail.
Gallery	Use Gallery to view pictures and play videos.
Gmail	Gmail works with Google's web-based email service.
Google Search	Use Google Search to easily and quickly find what you need on the web and on your device.
Google+	Google+ lets you to easily share things with people.
Local	This brings you to the local search function of Maps.
Maps	This is the Google Maps app for Android.
Messaging	Use Messaging to exchange text messages (SMS) and multimedia messages (MMS).
Messenger	Google+ Messenger lets you chat with your friends.
Movie Studio	Use Movie Studio to edit video clips.
Navigation	This brings you to Google Maps Navigation.
People	The People app is your contacts manager.
Phone	Use Phone for voice call operations. (See Chapter 4 for more information.)
Play Books	You can play digital content through the service of Google. However, the availability of the service depends on your geographical location. The app icons will disappear from the screen if you are in a region where the service is currently unavailable.
Play Magazines	
Play Movies & TV Shows	
Play Music	Use Play Music to organize and listen to music and audio files.
Play Store	Use Play Store to get all your applications and entertainment in one place.

Apps	Descriptions
Settings	The Settings app contains most of the tools for customizing and configuring your device. (See "Settings" in Chapter 7 for more information.)
Sound Record	This is a tool for recording sound.
Talk	Talk is Google's instant messaging and audio and video chat service.
Voice Dialer	Use Voice Dialer to make a call by saying the name of a contact (as stored in the People app) or telephone number.
Voice Search	Use Voice Search to quickly search your device, the web, and nearby locations by speaking, instead of typing.
YouTube	This is the official YouTube app for Android.

Camera

Use the Camera application to take pictures and shoot videos. In addition, you can have GPS information embedded into the picture/video file.

Touch the **Camera** shortcut on the Home screen or touch **Camera** in the All Apps screen. Also, when waking up the device, you can drag the lock icon toward the camera icon to go directly to the Camera application.

Taking Pictures

1. Open the Camera application. Touch [ ] if you are not in Camera mode.

2. Touch [ ] to select the front or rear camera lens.

3. If you want to adjust settings, touch [ ].
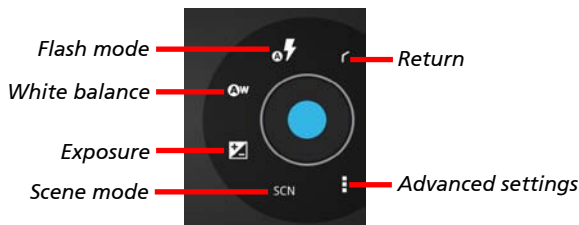
4. To zoom in or out, drag [ ] toward [ ] or [ ].

5. To take the picture, touch .

6. The picture you just took is displayed as a thumbnail at the corner. You can touch the thumbnail to view the picture.

   The file is saved to the internal SD card of your device.

Taking Panoramic Pictures

NOTE: Panoramic mode is available only for the rear camera lens.

1. Open the Camera application. Touch to switch to Panoramic mode.

2. Aim the camera lens at the starting point of the intended view. Touch to start.

3. Slowly pan your device toward the other side. The status bar shows your progress.

4. To end, touch .

Shooting Videos

1. Open the Camera application. Touch to switch to Video mode.

2. Touch to select the front or rear camera lens.

3. If you want to adjust settings, touch ![settings icon].

Flash mode ——————— Return

White balance ———————

Time lapse interval ——————— Advanced settings

4. To zoom in or out, drag ⦿ toward ➕ or ➖.

5. To start shooting the video, touch ⦿.

    The elapsed time shows at the corner.

6. To stop, touch ◉.

7. An image from your most recent video is displayed as a thumbnail at the corner. You can touch the thumbnail to view the video.

    The file is saved to the internal SD card of your device.

Chapter 6

Getac Applications

This chapter describes the applications added by Getac for special features of your device.

Barcode Utility and Configuration (Select Models Only)

Barcode Utility

Barcode Utility is a demo application that can read barcodes of the following types:

- Code 39
- Code 128
- EAN/JAN/UPC
- GS1 Databar
- Interleaved 2 of 5
- PDF417
- QR Code
- Data Matrix
- OCR

NOTE: For enhanced applications and customization of the barcode reader, contact your authorized Getac dealer.

1. To configure barcode options, use **Barcode Config** as described in the next section.

2. Touch the **Barcode Utility** shortcut on the Home screen or touch **Barcode Utility** in the All Apps screen.
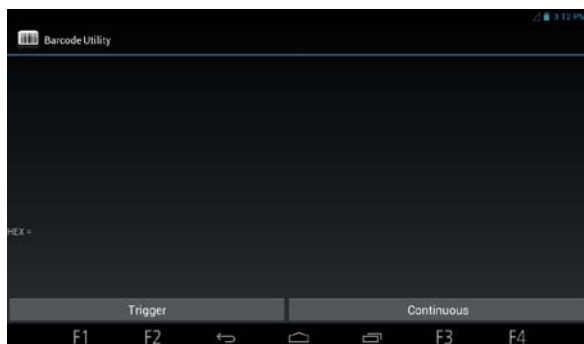
3. To scan one barcode at a time, touch **Trigger**

   To scan continuously, touch **Continuous**.

4. Aim the green scan beam so that it is centered over the barcode. Adjust the lens' distance from the barcode, shorter for a smaller barcode and farther for a larger one.

NOTE: If the code being scanned is highly reflective (e.g., laminated), it may be necessary to tilt the code +5° to prevent unwanted reflection.

5. Upon a successful scan, the system beeps and the scan beam turns off. The decoded barcode data will be entered.

   If you are in continuous scanning mode, the scan beam turns back on again for the next barcode. To stop scanning, touch **Stop**.
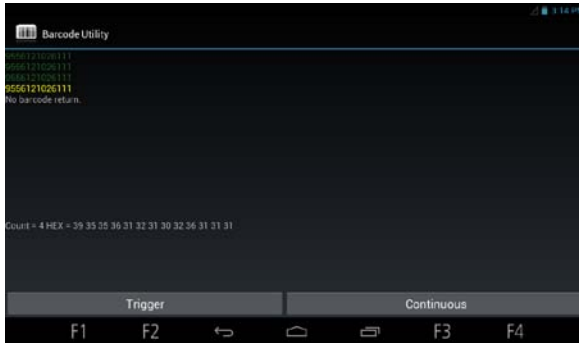
NOTE: The scan beam also turns off after timeout.

Barcode Config

Barcode Config allows you to configure options specific to individual barcode symbologies.

1. Touch the **Barcode Config** shortcut on the Home screen or touch **Barcode Config** in the All Apps screen.

2. Touch the name of a symbology to configure. You can enable or disable the individual symbology and configure the options as needed.

   To restore default settings or enable all symbologies, touch **Module**.

File Manager

File Manager allows you to organize your data in the internal SD card and any connected external storage (such as a microSD card or USB disk).

Touch the **File Manager** shortcut on the Home screen or touch **File Manager** in the All Apps screen.

To exit, touch ⠿ → **Exit**.

Button Descriptions

Left side buttons:

Buttons	Descriptions
Home	Goes to the root directory.
Upper	Goes one level up to the parent directory.

Buttons	Descriptions
Multi-Select	Enables or disables multiple selections.
	When enabled, you can touch multiple files or folders for one batch operation. A set of buttons appear on the left side of the screen for you to use.
Paste	Pastes what you have cut or copied to the current directory.
View	Switches between icon and list view.
Refresh	Refreshes the current directory.

Upper-right buttons:

Buttons		Descriptions
	Search	Opens the Search box.
	Add Folder	Adds a folder in the current directory.
	Menu	**Settings**
		Show all files/directories	Check to show all files/directories.
		Show image thumbnail(s)	Check to have images shown as thumbnails.
		Display type	Sets the view to icon or list view.
		Sort by	Specifies the sorting order.
		Home directory setting	Specifies a folder as the home directory in File Manager.

Opening a File

When you touch a filename, File Manager tries to open or execute the file depending on the file type.

NOTE: Not all files can be opened in this way.

GPS-ECompass

GPS-ECompass can:

● Function as a compass.

● Receive GPS satellite signals to calculate the location of your device.

● Record GPS logs.

Touch the **GPS-ECompass** shortcut on the Home screen or touch **GPS-ECompass** in the All Apps screen. If GPS receiver is off, a setting screen appears. Check the item "GPS satellites" and touch ⬅.

The ◎ icon in the status bar indicates the GPS receiver is on. The icon changes to ◎ when GPS positioning is completed.

NOTE: When not using GPS, turn off the GPS receiver. Leaving it on will consume more power. You can touch the widget [◈] on the Home screen to turn the GPS receiver on or off.

The application has three pages as described later. Touch one of the three buttons (**Satellite Position, Electronic Compass**, and **Location Information**) at the left side of the screen to see the page.

Satellite Position

The **Satellite Position** page shows the positions of the overhead satellites and their signal strength. It also indicates the on/off status of the SBAS and logging functions.

SBAS (satellite-based augmentation system) provides additional accuracy and reliability for the GPS devices. Ground stations are necessary to achieve the purpose. The SBAS feature works where such stations exist. You can enable the SBAS feature. (See "Getac Peripheral Settings" in Chapter 7.)

Electronic Compass

The **Electronic Compass** page shows directions of movement including orientation, pitch angle, roll angle, and azimuth angle.

The Accuracy reading is for your reference. When the application determines that calibration is needed, it will pop up the "Calibration" graphics asking you to calibrate the compass. Hold the device and swing it in the way as shown on the screen. Do this several times until the popup graphics disappear.

NOTE: Follow these guidelines when using the compass.

- Keep the device away from objects that generate magnetic fields, such as cars, large belt buckles, computers, cell phones, etc.
- If you must use the compass inside a car, the device should be at least 20 cm (7.87 inches) away from metal objects such as car doors, dashboard, air vents, etc.
- Avoid playing the MP3 music with the internal speaker or connecting the AC adapter. This will cause the magnetic interference to the compass.

Location Information

The **Location Information** page shows the geographic information of the current location once GPS positioning is completed.

Settings

Touch ⁝ and touch **Setting**.

Items	Descriptions
Location Service	Check **GPS satellites** to turn on GPS receiver.
Satellites Log	See the next subsection for information.
Rotation Type	Set to **Needle Compass** for a pivoting needle on a fixed dial or **Wheel Compass** for a fixed needle on a rotating dial.
Display	Check **Calibration** to display the **Accuracy** reading on the **Electronic Compass** screen. Check **Balance** to display the **Pitch/Roll** reading on the **Electronic Compass** screen.

Touch **OK** for the changes to take effect.

GPS Logging

You can record a GPS log file for the use of other applications. The default output format is NMEA. You can set the format to binary mode. (See "Getac Peripheral Settings" in Chapter 7.)

1. Touch ⁝ and touch **Setting**.

2. Touch **Start to write Log in /storage/sdcard0/GpsLog.**

3. In the selection menu that pops up, touch **..** to accept the default folder for storing the file.

   If you want to specify a different folder, select it in the menu.

4. Touch **OK** The recording will continue until you stop it.

5. To stop, touch ⁝ and touch **Setting**. Touch **Stop to write Log in ….**

6. Touch **OK**

RFID Reader Utility (Select Models Only)

RFID Reader Utility is a demo application that reads UID numbers from RFID tags.

NOTE: For enhanced applications and customization of the RFID reader, contact your authorized Getac dealer.

1. Touch the **RFID Reader Utility** shortcut on the Home screen or touch **RFID Reader Utility** in the All Apps screen.

2. Touch the tag type (**ISO-15693**, **ISO-14443A**, **ISO-14443B**, or **ULTRALIGHT**) you want to scan.

3. To scan one tag at a time, touch **Scan**

   To scan continuously, touch **Continuous**.

4. Bring the tag near the RFID antenna.

Location of internal RFID antenna
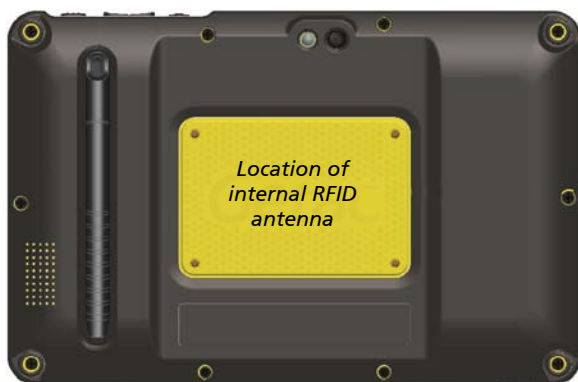
5. If a tag of the matching type is found, its UID is displayed in the data area.
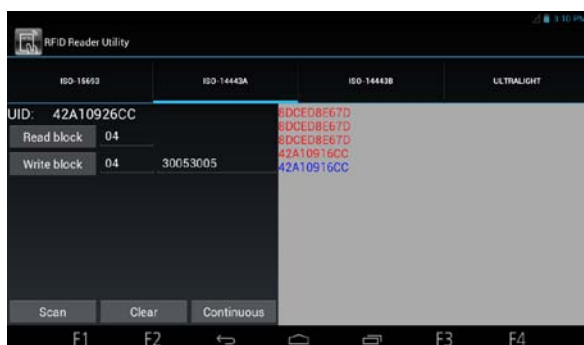
6. If you are in continuous scanning mode, touch **Stop** to stop scanning.

7. You can touch **Clear** to clear the data area.

Chapter 7

Managing Your Device

This chapter tells you how to manage power and configure your device.

Managing Power

The operating time of a fully charged battery depends on how you are using the device. Some functions, such as using multimedia or operating an SD card, may consume the battery power considerably.

Low Battery Signals and Actions

CAUTION: When you recharge the battery upon a warning of low power, you should charge for at least 30 minutes. If you unplug the AC adapter soon, you may not have sufficient battery power for your operation.

The battery status (charging or discharging) and level (as a percentage of fully charged) are displayed at the top of the screen. To check the battery information, touch ⚎ (on the Home screen) → **Settings** → **Battery**.

You should save your data and recharge the battery immediately upon a warning of low power; otherwise your device will turn off automatically. You need to connect the device to external AC power for charging before you can use it again.

Power-Saving Tips

Follow these suggestions to maximize the battery's operating time, particularly when you are relying solely on the battery power for extended time periods.

- Turn off radios that you aren't using.

- Lower the screen brightness and set a shorter screen timeout.

- Lower the volume.

- If you don't need it, turn off automatic syncing for all applications.

- Avoid power-consuming applications. To check which applications consume the most battery power, go to the Home screen, touch (on the Home screen) → **Settings** → **Battery**.

Settings

NOTE:
- Incorrect settings may cause your system to malfunction. Make sure that you fully understand the function of a certain item before any adjustment.
- Some setting items are available only for specific models.
- Some setting items are available only for specific subscriptions you have with your carrier or applications you have in your device.

The Settings application contains most of the tools for customizing and configuring your device.

To open Settings, touch (on the Home screen) → **Settings**. You can also get to Settings quickly at any screen by swiping down the Notifications from the top of any screen and touching the Settings icon .

Wireless and Networks Settings

Item	Description
WLAN	To configure and use WLAN.
Bluetooth	To configure and use **Bluetooth**.
Data usage	To view the amount of data uploaded or downloaded by your device during a given period. You can set up conditions for data usage.
More…	
Airplane mode	Check to turns off all wireless radios.
VPN	To set the type of VPN to add and view the list of VPNs that you've previously configured.
Tethering & portable hotspot	To share your device's mobile data connection via USB or as a portable WLAN hotspot.

Item	Description
Mobile networks	To set up conditions for your device's connections with mobile data networks.

Device Settings

Item	Description
Sound	To configure sound-related settings such as volume, phone ringtone, vibration with ringing, notification sound, etc.
Display	To set brightness, wallpaper, sleep timeout, and font size.
Storage	To view the used and available space on your device's storage.
Battery	To view battery usage data.
Apps	To view details about the applications installed on your device and to manage them.

Personal Settings

Item	Description
Location services	To configure how you want your device to determine your location and how you want to share your location with Google and others.
Security	To configure screen lock, power-on password, device administration, and credential storage.
Language & input	To set up display language, personal dictionary, keyboard language, input method, voice search, and text-to-speech output.
Backup & reset	To back up data and settings and to reset to factory default state.

Accounts Settings

Item	Description
+ Add account	To add accounts.
	The screen lists the account(s) you have added to the device. To manage an account, touch it.

System Settings

Item	Description
Dock	To set if you want to use the external antenna of the office/vehicle dock (when connected). You can also enable the auto switch function.
	To specify which audio output to use when an office/vehicle dock is connected.
	Check to disable the sound that indicates your device is inserted to or removed from the docking station.
Date & time	To use automatic data and time or to enter manually
	To choose data and time format.
Accessibility	To modify your device's accessibility settings
Developer options	To set up options useful for developers.
Getac peripherals	See the below subsection.

Getac Peripheral Settings

Item	Description
Barcode reader	See below.
Trigger button	Check to have the Trigger button initiate a barcode scanning action and send out decoded barcode data as if the data is typed by a keyboard.

Item	Description
Button settings	To assign an application to the button instead of using it as a trigger button.
GPS	See below.
SBAS	Check to enable SBAS.
GPS binary mode	Check to set the GPS output format to binary mode. Uncheck to set it to NMEA format.
Cold Start	To clear all GPS data in the device.
G-sensor	See below.
G-sensor calibration	To calibrate G-sensor. Your device has a built-in G-sensor for sensing the orientation (landscape or portrait) of the device.
Navigation bar	See below.
Function buttons	Check to enable the **F1** to **F4** function buttons.
Function button settings	To assign an application to the function button.
Touchscreen	See below.
Touchscreen auto-calibration	To calibrate the touchscreen. When started, do not touch the screen and wait till the calibration is completed.
Z710 system	See below.
Firmware upgrade	To upgrade your device's firmware with the firmware files on an external SD card. **CAUTION:** For advanced users only.
Firmware upgrade (OTA)	To upgrade your device's firmware via air (wireless network). **CAUTION:** For advanced users only.

Chapter 8

Caring and Maintenance

This chapter provides guidelines on taking care of your device.

Resetting Your Device

To restart the device, press and hold the power button until a menu pops up. Touch **Power off** and then **Reboot**.

In case the device stops responding to your operation, you can force the device to power off by pressing and holding the power button for more than 10 seconds. Then turn on again.

Caring for Your Device

Taking good care of your device will ensure trouble-free operation and reduce the risk of damage to your device.

● Keep your device away from excessive moisture and extreme temperatures.

● Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of time.

● Do not place anything on top of your device or drop objects on your device.

- Do not drop your device or subject it to severe shock.

- Do not subject your device to sudden and severe temperature changes. This could cause moisture condensation inside the unit, which could damage your device. In the event of moisture condensation, allow your device to dry out completely before use.

- The screen surface can easily be scratched. Avoid touching it with sharp objects. Non-adhesive generic screen protectors designed specifically for use on portable devices with LCD panels may be used to help protect the screen from minor scratches.

- Never clean your device with it powered on. Use a soft, lint-free cloth to wipe the screen and the exterior of your device.

- Do not use paper towels to clean the screen.

- Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to your device and even bodily injury or property damage and will void the warranty.

- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your device, its parts or accessories.

Chapter 9

Regulatory Information

NOTE: Marking labels located on the exterior of your device indicate the regulations that your model complies with. Please check the marking labels on your device and refer to the corresponding statements in this chapter. Some notices apply to specific models only.

Regulations Statements

European Notice

Products with the CE marking comply with Radio & Telecommunication Terminal Equipment Directive (R&TTE) (1999/5/EEC), the Electromagnetic Compatibility Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) – as amended by Directive 93/68/ECC – issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Standards:

EN301489-1: Electronic compatibility and Radio spectrum Matters (ERM), ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
EN301489-17: Electronic compatibility and Radio spectrum Matters (ERM), ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment

EN55022: Radio disturbance characteristics
EN55024: Immunity characteristics
EN6100-3-2: Limits for harmonic current emissions
EN6100-3-3: Limitation of voltage fluctuation and flicker in low-voltage supply system
EN60950 / IEC 60950: Product Safety

The manufacturer cannot be held responsible for modifications made by the User and the consequences thereof, which may alter the conformity of the product with the CE Marking.

FCC Regulations

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.

This device 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.

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

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Safety Precautions

● Prolonged listening of music in maximum volume can damage the ears.

● The use of headphones other than those recommended/supplied can cause hearing impairment due to excessive sound pressure.

● **Caution for service personnel:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

About Charging

● Use only the AC adapter supplied with your device. Use of another type of AC adapter will result in malfunction and/or danger.

● Use only the car charger supplied by the manufacturer. Use of another type of car charger will result in malfunction and/or danger.

● This product is intended to be supplied by a LISTED Power Unit marked with "LPS," "Limited Power Source," and output rated + 12 V dc / 2.0 A.

● Use a specified cradle approved by the manufacturer.

● Use a specified battery in the equipment.

About the AC Adapter

● Do not use the AC adapter in a high moisture environment. Never touch the AC adapter when your hands or feet are wet.

● Allow adequate ventilation around the AC adapter when using it to operate the device or charge the battery. Do not cover the AC adapter with paper or other objects that will reduce cooling. Do not use the AC adapter while it is inside a carrying case.

- Connect the AC adapter to a proper power source. The voltage and grounding requirements are found on the product case and/or packaging.

- Do not use the AC adapter if the cord becomes damaged.

- Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

About the Radio Frequency Exposure

This device meets the government's requirements for exposure to radio waves. This device 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 U.S. Government.

The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. *Tests for SAR are conducted using standard operating positions accepted by the FCC with the device 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 device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the poser required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The highest SAR value for the device as reported to the FCC is 0.27 W/Kg.

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

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID: **QYLPHS8-PZ**, **QYLZ710**, and **QYLZ710R**.

For body worn operation, this device has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and the positions the handset a minimum of 1.5 cm from the body. Use of other enhancements may not ensure compliance with FCC RF exposure guidelines.