

*Getac*

# T800 Android

USER MANUAL

April 2015

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### **Disclaimer**

Specifications and manuals are subject to change without notice. Getac assumes no liability for damage incurred directly or indirectly from errors, omissions, or discrepancies between the device and the manuals.

### **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 4.4 operating system, with additions by Getac.

For the latest version of the manual, please visit the Getac website at [www.getac.com](http://www.getac.com).

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# Chapter 1

## Getting Started

This chapter first tells you step by step how to get the device up and running. Then, you will find a section briefly introducing the external components of the device.

## Getting Your Device Ready for Use

### Unpacking

**NOTE:** This packing list applies to standard models. Select models may have different items.

After unpacking the shipping carton, you should find these standard items:

● T800 Android tablet	
● AC adapter 	● Screen cleaning cloth 
● AC power cord 	● Stylus 
● Document(s)	● Tether 

Inspect all the items. If any item is damaged or missing, notify your dealer immediately.

# Installing the SIM Card

1. Locate the SIM card cover. Remove the cover by unfastening 4 screws.



2. Noting the orientation, slide the SIM card into place.



3. Replace the cover and secure with 4 screws.

# Connecting to AC Power

It is suggested that you use AC power when starting up the device for the very first time.

1. Plug the DC cord of the AC adapter to the power connector of the device (❶).
2. Plug the female end of the AC power cord to the AC adapter and the male end to an electrical outlet (❷).



3. Power is being supplied from the electrical outlet to the AC adapter and onto your device. Now, you are ready to turn on the device.

**CAUTION:** Use only the AC adapter included with your device. Using other AC adapters may damage the device.

**NOTE:** When the AC adapter is connected, it also charges the battery pack. For information on using battery power, see “Managing Power” in Chapter 6.

# 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 **1** below). Then, insert the other end through the first loop (as indicated by **2** below) and pull it tight.



2. Insert the other loop end to the tether holder on the device (as indicated by **1** below). Then, insert the stylus end through the loop (as indicated by **2** below) and pull it tight.



# 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.

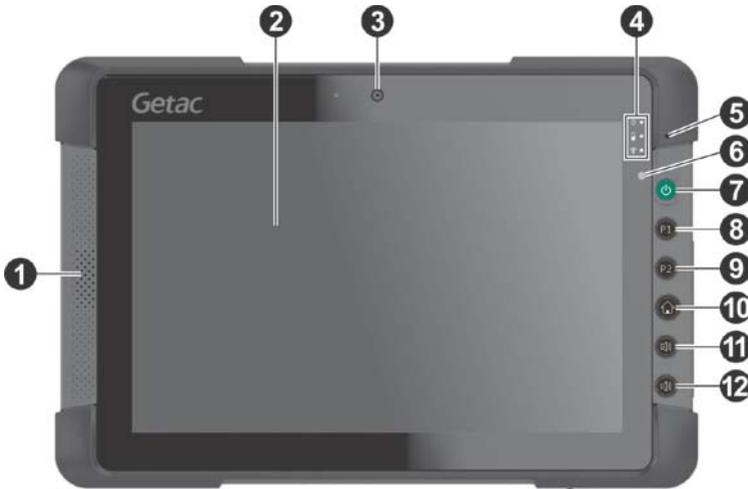
The device powers up and displays the initial screen.

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.

# Identifying Hardware Components

**CAUTION:** When not accessing a connector or device, make sure to close the cover completely for water-, dust-, and fire-proof integrity of your device. (Engage the locking mechanism if existing.)

## Front Components

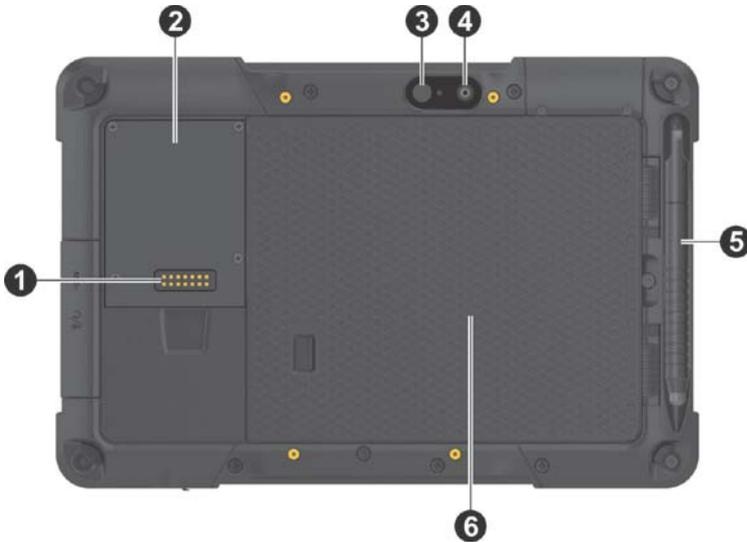


Ref	Component	Description	See Also
①	Speaker	Sends out sound and voice from your device.	
②	Touchscreen	Displays and receives information for the device.	P. 13
③	Camera Lens	Allows you to use the camera function. When the camera lens is in use, the indicator beside it lights up.	P. 25
④	<b>Indicators</b>		
	 Power	Lights blue when the power is on.	
		Blinks blue when the system is in Sleep mode.	
	 Battery	Lights green when the battery is fully charged.	P. 38

Ref	Component	Description	See Also
		Lights amber when the battery is being charged.	
		Blinks red (once per second) when the battery's capacity is below 10%.	P. 39
		Blinks red rapidly (once per 0.5 second) when there is a thermal protection problem. Ask for repair service in case this happens.	
		Blinks amber when the battery charging is in an abnormal state. Replace the battery in case this happens.	
	 <b>RF (Radio Frequency)</b>	Lights blue when the RF radio of any RF feature (Wi-Fi/BT/WWAN) is on.	
<b>5</b>	<b>Microphone</b>	Receives sound and voice to record voice.	
<b>6</b>	<b>Light Sensor</b>	Senses the ambient light for automatic adjustments of the display backlight.	
<b>7</b>	<b>Power Button</b>	Starts up your device. Turns off or restores the screen. <b>When pressed longer:</b> Opens a menu with options for <b>Power off</b> , <b>Airplane mode</b> , and silent/vibrate/ring mode.	P. 12
<b>8</b>	<b>P1 Button</b>	Serves as the camera shutter release button. <b>When pressed longer:</b> Opens the Camera application.	P. 25
		Can be redefined. Open <b>Settings</b> , select <b>Getac peripherals</b> (under <b>SYSTEM</b> ), and select the button you want to redefine.	P. 46
<b>9</b>	<b>P2 Button</b>	Opens a screen containing thumbnails of applications you've used recently. Touch a thumbnail to open that application. – or – Serves as the trigger button for the barcode scanner if your model has the barcode scanner module.	P. 29

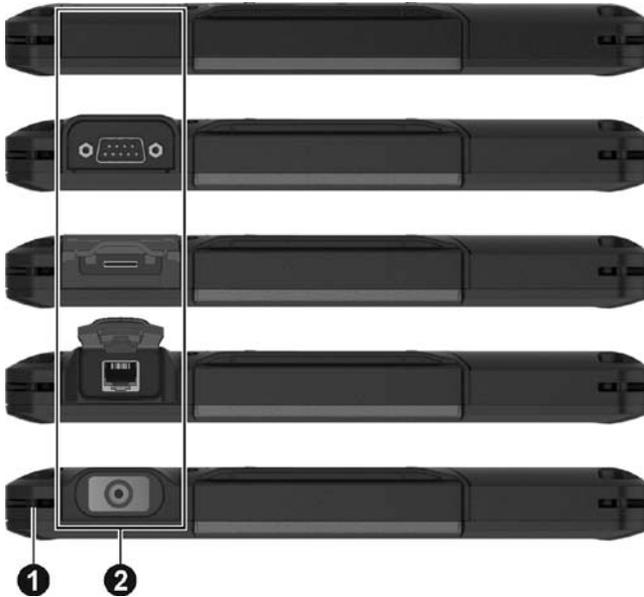
Ref	Component	Description	See Also
		<b>When pressed longer:</b> Open Settings.	P. 43
		Can be redefined. Open <b>Settings</b> , select <b>Getac peripherals</b> (under <b>SYSTEM</b> ), and select the button you want to redefine.	P. 46
10	<b>Home Button</b>	Opens the Home screen.	
		<b>When pressed longer:</b> Opens the Search box.	
		Can be redefined. Open <b>Settings</b> , select <b>Getac peripherals</b> (under <b>SYSTEM</b> ), and select the button you want to redefine.	P. 46
11	<b>Volume Up Button</b>	Increases the sound volume.	
12	<b>Volume Down Button</b>	Decreases the sound volume.	

# Rear Components



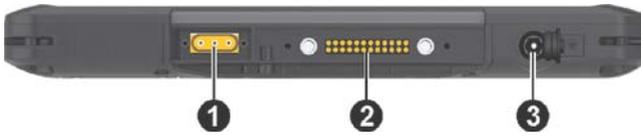
Ref	Component	Description	See Also
①	<b>Expansion Connector</b>	Connect to a proprietary snap-on module such as: - Second battery pack - RFID and smart card reader - Magnetic stripe card and smart card reader	
②	<b>SIM Card Cover</b>	Inside is the SIM card slot.	
③	<b>Flash</b>	Provides extra light when taking pictures.	
④	<b>Camera Lens</b>	Allows you to use the camera function. When the camera lens is in use, the indicator beside it lights up.	P. 25
⑤	<b>Stylus</b>	Serves as the input device by tapping on the touchscreen to make selections and enter information.	P. 13
⑥	<b>Battery Pack</b>	Supplies power to your device when external power is not connected.	P. 38

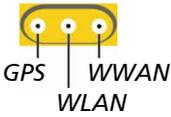
# Top Components



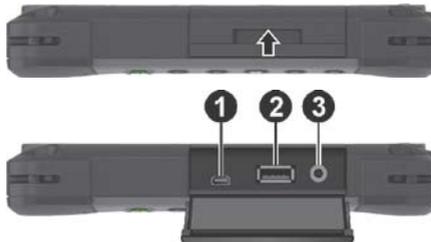
Ref	Component	Description	See Also
①	Tether Holder	For holding a tether (such as the stylus tether). There is one holder at each corner of the device.	P. 4
②	None		
	Or can be one of the below components depending on your model:		
	Serial Port	Connects a serial device.	P. 49
	MicroSD Card Slot	Accepts a microSD card for removable storage media.	P. 49
	RJ-45 Connector	Connects the LAN cable.	P. 50
	Barcode Scanner Lens	Scans and reads barcodes.	P. 29

# Bottom Components



Ref	Component	Description	See Also
①	Antenna Pass-through	Connects to the docking station for using external GPS/Wi-Fi/WWAN antenna. 	
②	Docking Connector	Connects to the docking station (available as an option).	
③	Power Connector	Connects the AC adapter.	P. 3

# Right-Side Components



Ref	Component	Description	See Also
①	Micro HDMI Connector	Connects a HDMI monitor or TV set.	P. 48
②	USB 3.0 Port	Connects a USB device.	P. 47
③	Combo Audio Connector	Connects a set of headphones or external speakers with amplifier Supports a headset microphone with 4-pole TRRS 3.5mm jack.	P. 48

# Chapter 2

## *Basic Skills*

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

### **CAUTION:**

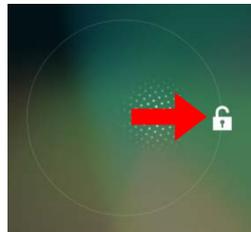
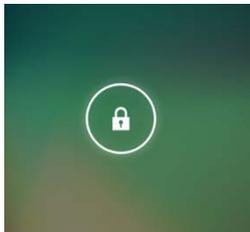
- Do not expose your skin to the device when operating it in a very hot or cold environment.
- The device can get uncomfortably warm when you use it in high temperatures. As a safety precaution in such a circumstance, do not place the device on your lap or touch it with your bare hands for extended periods of time. Prolonged body contact can cause discomfort and potentially a burn.

## Waking Up and Shutting Down

### Waking Up

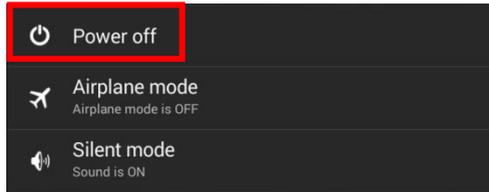
Your device sleeps after a period of inactivity (1 minute by default). You can also manually put your device to sleep by briefly pressing the power button.

To wake up, press the power button and, at the lock screen, drag the lock icon up/down/left/right 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

Use the included stylus or your finger to communicate with the device.

**CAUTION:** Do not use a sharp object such as a ballpoint pen or pencil on the touchscreen. Doing so may damage the touchscreen surface. Use the included stylus or your finger.

## NOTE:

- An optical film has been attached to the screen before shipment. The film is a consumable, which will be worn out by possible scratches. You can purchase a new one when replacement is required.
- Instead of a hard tip, your stylus has a soft tip so that it does not scratch the AG film. It is normal for the soft tip to wear out after a long period of use. You can purchase a new one when needed.



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).

## 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.



On the right side of every Home screen is the Favorites tray.

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.

To return to the Home screen at any time, touch  at the bottom of the screen or press the **Home** button on your device.

## 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

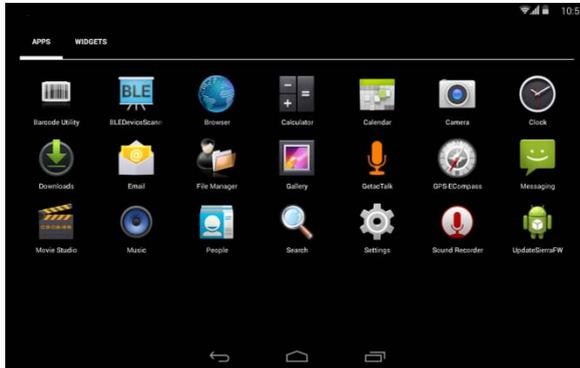
Touch and hold the item you want to remove. Drag it to the X icon at the upper left corner of the screen.

### 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 **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.

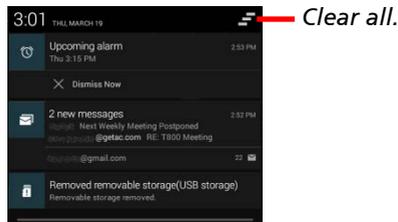
Button	Name	Description
	<b>Back</b>	Goes back to the previous screen.
	<b>Home</b>	Opens the Home screen.
	<b>Recent Apps</b>	Opens a screen containing thumbnails of applications you've used recently. Touch a thumbnail to open that application.

# Status Bar, Notifications, and Quick Settings

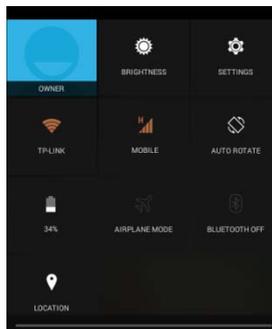
The Status bar appears at the top of almost every screen. It displays icons indicating that you've received notifications (on the left) and icons indicating the current status (on the right), along with the current time.



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



You can open the Quick Settings panel by swiping down from the top right corner of any screen. Quick Settings is a convenient settings menu where you can easily access wireless connection settings, manage display brightness, open the main Settings menu, and more.



# 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

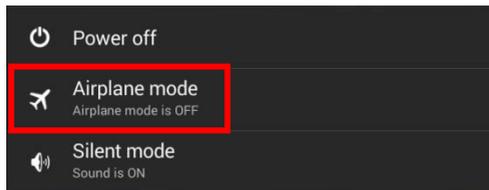
#### Types of Connections

Your device can connect to a variety of networks and devices, including mobile networks for data transmission, Wi-Fi networks, and Bluetooth devices, such as headsets.

#### 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

**NOTE:** Voice transmission is not supported on your model.

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

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

## Using Wi-Fi Networks

### Turning Wi-Fi On or Off

Touch the widget  on the Home screen to turn Wi-Fi on or off.

Or, perform these steps:

1. Touch  (on the Home screen) → **Settings**.
2. Find the **Wi-Fi** item under **WIRELESS & NETWORKS**. Slide the Wi-Fi switch on or off.

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

**NOTE:** When not using Wi-Fi, turn off the radio. Leaving the radio on will consume more power.

### Connecting to a Wi-Fi Network

1. Make sure the Wi-Fi radio is on. (See "Turning Wi-Fi On or Off" previously.)
2. Touch  (on the Home screen) → **Settings**.
3. Touch **Wi-Fi**.

Your device scans for available Wi-Fi 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 that network by touching **Connect**

## 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.

## 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

## *Android Preinstalled Applications*

This chapter briefly introduces the Android 4.4 preinstalled applications from Google.

### Google Applications Overview

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

**NOTE:** The table below does not include Getac applications. See the next chapter for information on Getac applications.

Apps	Descriptions
Browser	This is the web browser from Google.
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.)
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.

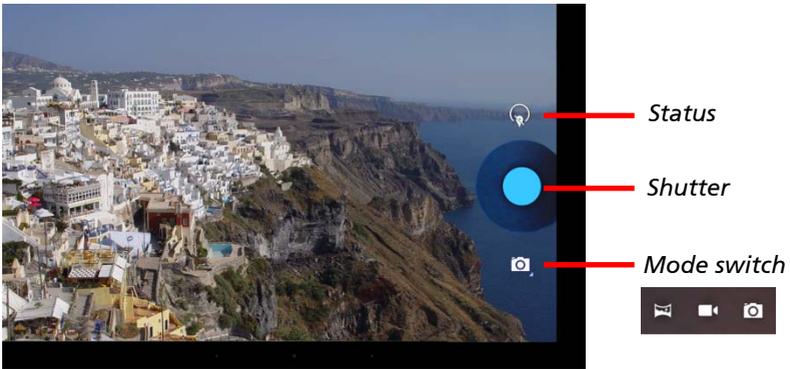
Apps	Descriptions
<b>Email</b>	Use Email to read and send email from services other than Gmail.
<b>Gallery</b>	Use Gallery to view pictures and play videos.
<b>Messaging</b>	Use Messaging to exchange text messages (SMS) and multimedia messages (MMS).
<b>Movie Studio</b>	Use Movie Studio to edit video clips.
<b>Music</b>	Use Music to organize and listen to music and audio files.
<b>People</b>	The People app is your contacts manager.
<b>Search</b>	Use Search to quickly search the web by typing.
<b>Settings</b>	The Settings app contains most of the tools for customizing and configuring your device. (See “Settings” in Chapter 6 for more information.)
<b>Sound Record</b>	This is a tool for recording sound.

# Camera

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

## Taking Pictures

1. Open the Camera application.
2. If you are not in Camera mode, touch the mode switch icon and touch .

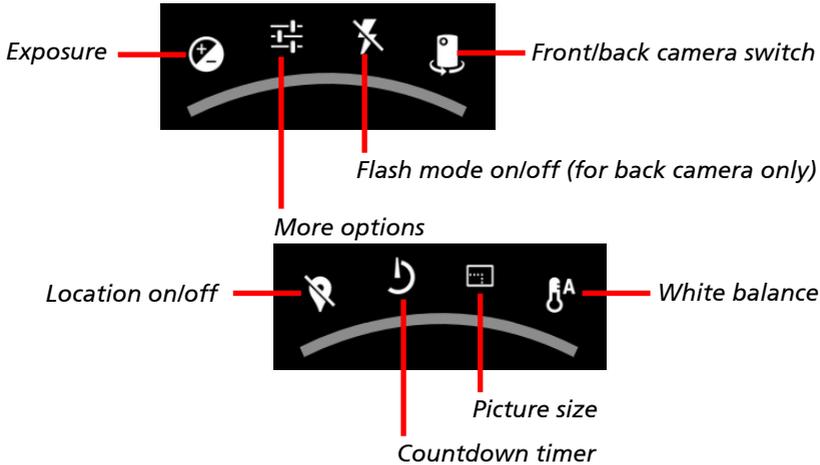


3. To change settings, touch the Status icon. (See "Picture Settings" later.)
4. To take the picture, touch  or press the **P1** button on your device.
5. The picture you just took is displayed as a thumbnail at the top right corner for a short period of time. You can touch the thumbnail to view the picture. If the thumbnail is hidden, swipe in from the right side near the top to show it.

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

## Picture Settings

Touch the Status icon to pop up the settings menu.



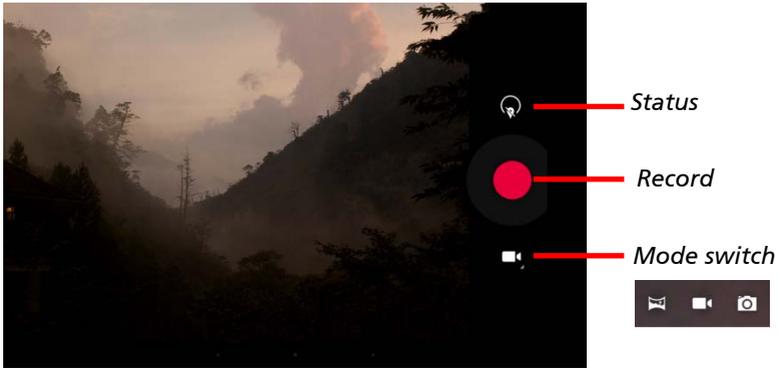
## Taking Panoramic Pictures

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

1. Open the Camera application.
2. Touch the mode switch icon and touch  to switch to Panoramic mode.
3. Aim the camera lens at the starting point of the intended view. Touch  to start.
4. Slowly pan your device toward the other side. The status bar shows your progress.
5. To end, touch .

# Shooting Videos

1. Open the Camera application.
2. Touch the mode switch icon and touch  to switch to Video mode.



3. To change settings, touch the Status icon. (See "Video Settings" later.)

4. To start shooting the video, touch  or press the **P1** button on your device.

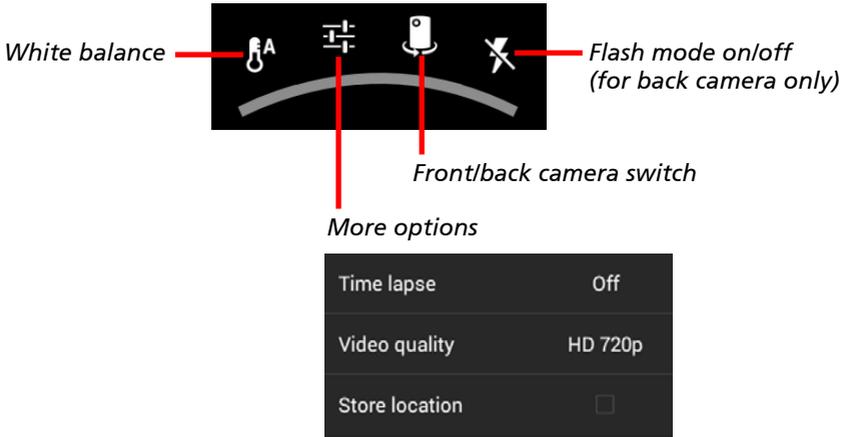
The elapsed time shows at the corner.

5. To stop, touch  or press the **P1** button on your device.
6. An image from your most recent video is displayed as a thumbnail at the top right corner for a short period of time. You can touch the thumbnail to view the video. If the thumbnail is hidden, swipe in from the right side near the top to show it.

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

# Video Settings

Touch the Status icon to pop up the settings menu.



# Chapter 5

## *Getac Applications*

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

### **Barcode Utility (Optional)**

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 scanner, contact your authorized Getac dealer.
- Use Settings to configure the barcode scanner. (See “Getac Peripheral Settings” in Chapter 6.)

# Scanning Barcodes

1. Touch **Barcode Utility** in the All Apps screen.
2. To scan one barcode at a time, touch **Trigger**. Alternatively, you can press **P2** button on your device.

To scan continuously, touch **Continuous**.



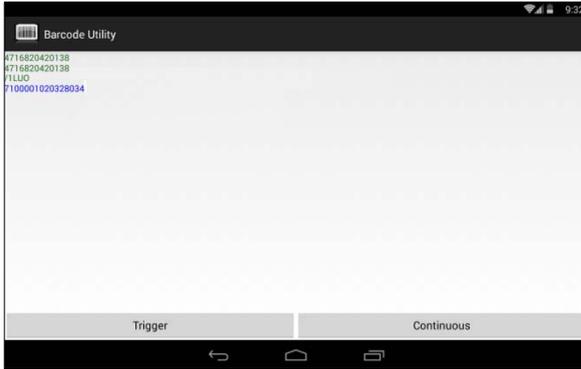
3. Aim the green scan beam so that it is centered over the barcode. Adjust the lens' distance from the barcode, shorter for a smaller barcode and farther for a larger one.



**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.

4. 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.

# 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 **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.
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	<b>Settings</b>	
	<b>Show all files/directories</b>	Check to show all files/directories.
	<b>Show image thumbnail(s)</b>	Check to have images shown as thumbnails.
	<b>Display type</b>	Sets the view to icon or list view.
	<b>Sort by</b>	Specifies the sorting order.
	<b>Home directory setting</b>	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.



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 “Settings” later.)

## Electronic Compass

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



**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 **Settings**.

Items	Descriptions
<b>SBAS Switch</b>	Check to enable SBAS.
<b>Satellites Log</b>	See the next subsection for information.
<b>Rotation Type</b>	Set to <b>Needle Compass</b> for a pivoting needle on a fixed dial or <b>Wheel Compass</b> for a fixed needle on a rotating dial.
<b>Display</b>	Check <b>Balance</b> to display the <b>Pitch/Roll</b> reading on the <b>Electronic Compass</b> 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 6.)

1. Touch  and touch **Settings**.
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 **Settings**. Touch **Stop to write Log in ....**
6. Touch **OK**.

# Chapter 6

## *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.

### Charging the Battery Pack

**NOTE:**

- Charging will not start if the battery's temperature is outside the allowed range, which is between 0 °C (32 °F) and 50 °C (122 °F). Once the battery's temperature meets the requirements, charging automatically resumes.
- During charging, do not disconnect the AC adapter before the battery has been fully charged; otherwise you will get a prematurely charged battery.

To charge the battery pack, connect the AC adapter to the device and an electrical outlet. The Battery Indicator (  ) on the device glows amber to indicate that charging is in progress. You are advised to keep the device power off while the battery is being charged. When the battery is fully charged, the Battery Indicator glows green.

It takes approximately 3 hours to fully charge the battery pack when the power is off and approximately 3.5 hours when the power is on (may need a longer charging time at lower temperatures).

**CAUTION:** After the device has been fully recharged, do not immediately disconnect and reconnect the AC adapter to charge it again. Doing so may damage the battery.

**NOTE:** The battery level may automatically lessen due to the self-discharge process (0.21% per day), even when the battery pack is fully charged (100%). This happens no matter if the battery pack is installed in the device.

## 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**.

On the exterior side of the battery pack is a gas gauge for displaying the estimated battery charge. When the battery pack is not installed in the device and you want to know the battery charge, you can press the switch to see the number of LEDs that light up. Each LED represents 20% charge.



Switch

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.

# Replacing the Battery Pack

## CAUTION:

- There is danger of explosion if the battery is incorrectly replaced. Replace the battery only with the manufacturer's battery. Discard used batteries according to the dealer's instructions.
- Do not attempt to disassemble the battery pack.

1. Slide the three battery latches to the unlocked position (🔓).



2. Lift the battery pack off the compartment.



3. Fit another battery pack into place.
4. Slide the three latches to the locked position (🔒).

**CAUTION:** Make sure all the latches are correctly locked, not revealing the underneath red part.



Correct



Incorrect (revealing red part)

## Second Battery Pack (Optional)

You can purchase a second battery pack, designed as a snap-on module, for extra battery power.



The second battery pack can be charged individually with the AC adapter when it is not attached to the device. When attached, it will be charged after the main battery pack is charged.

# Power-Saving Tips

You can extend your battery's life between charges by turning off features that you don't need. You can also monitor how applications and system resources consume battery power.

- 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 from the top right corner of any screen and touch **Settings**.

## Wireless and Networks Settings

Item	Description
<b>Wi-Fi</b>	To configure and use Wi-Fi.
<b>Bluetooth</b>	To configure and use <b>Bluetooth</b> .
<b>Data usage</b>	To view the amount of data uploaded or downloaded by your device during a given period. You can set up conditions for data usage.
<b>More...</b>	
<b>Airplane mode</b>	Check to turns off all wireless radios.
<b>Default SMS app</b>	To choose the SMS app that you'd like to use (if you have installed others).
<b>Tethering &amp; portable hotspot</b>	To share your device's mobile data connection via USB or as a portable Wi-Fi hotspot.
<b>VPN</b>	To set the type of VPN to add and view the list of VPNs that you've previously configured.

Item	Description
<b>Mobile networks</b>	To set up conditions for your device's connections with mobile data networks.
<b>Mobile plan</b>	To manage your mobile plan if your carrier has a known provisioning website for such purpose.

## Device Settings

Item	Description
<b>Sound</b>	To configure sound-related settings such as volume, event sounds, and audio output/input for external audio device.
<b>Display</b>	To set the following items: <ul style="list-style-type: none"> <li>● Brightness</li> <li>● Wallpaper</li> <li>● Sleep timeout</li> <li>● Daydream - a screen saver for your device while idle or docked</li> <li>● Font size</li> <li>● Cast screen - for projecting your tablet's screen to a TV in a wireless way (extra hardware is required for the TV).</li> </ul>
<b>HDMI</b>	To configure the HDMI display if connected.
<b>Storage</b>	To view the used and available space on your device's storage. To unmount an external storage device (if connected).
<b>Battery</b>	To view battery usage data.
<b>Apps</b>	To view details about the applications installed on your device and to manage them.
<b>Users</b>	To add, delete, or change users.

# Personal Settings

Item	Description
Location	To configure how you want your device to determine your location.
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, 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
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.
Printing	To print out files such as pictures and documents on connected cloud printers.
Getac peripherals	See the "Getac Peripheral Settings" subsection later.
About tablet	
System updates	To upgrade your device's firmware via air (wireless network). <b>CAUTION:</b> For advanced users only.

## Getac Peripheral Settings

Item	Description		
<b>Barcode</b>	This is for models having the barcode scanner module. See below.		
<table border="1"> <tr> <td data-bbox="82 320 118 400"></td> <td data-bbox="118 320 309 400"><b>Good read sound</b></td> </tr> </table>		<b>Good read sound</b>	Check to enable the beep sound upon a successful read.
	<b>Good read sound</b>		
<b>GPS</b>	See below.		
<table border="1"> <tr> <td data-bbox="82 448 118 496"></td> <td data-bbox="118 448 309 496"><b>SBAS</b></td> </tr> </table>		<b>SBAS</b>	Check to enable SBAS.
	<b>SBAS</b>		
<table border="1"> <tr> <td data-bbox="82 496 118 544"></td> <td data-bbox="118 496 309 544"><b>Cold Start</b></td> </tr> </table>		<b>Cold Start</b>	To clear all GPS data in the device.
	<b>Cold Start</b>		
<b>Physical buttons</b>	To assign an application to the <b>P1/P2/Home</b> button.		
<b>Power saving</b>	<p>To set up the wireless connection state when the device is in sleep mode. The choices are:</p> <ul style="list-style-type: none"> <li>● Always keep the current connection state.</li> <li>● Keep the current connection state only while the AC adapter is connected.</li> <li>● Switch off wireless connection.</li> </ul>		
<b>Radio</b>	Check to let the device switch to external Wi-Fi/WWAN/GPS antenna when connected.		

# Chapter 7

## *Expanding Your Device*

You can expand the capabilities of your device by connecting other peripheral devices. When using a device, be sure to read the instructions accompanying the device together with the relevant section in this chapter.

### Connecting a USB Device

Your device has a USB 3.0 port for connecting a USB device.

USB 3.0 supports a transfer rate up to 5 Gbit/s.



#### **NOTE:**

- If using a USB flash drive, make sure you format the drive to FAT32 format. Google Android does not support NTFS and exFAT.
- Before disconnecting a USB flash drive, touch  (on the Home screen) → **Settings**. Touch **Storage** and touch **Unmount** under **USB STORAGE**.

# Connecting an Audio Device

The audio combo connector is the “4-pole TRRS 3.5mm” type (Apple iPhone Recessed) so you can connect a compatible headset microphone.



## **SAFETY WARNING:**

To prevent possible hearing damage, do not listen at high volume levels for long periods.

# Connecting an HDMI Display Monitor

Your device has a micro HDMI connector. HDMI (High-Definition Multimedia Interface) is an audio/video interface that transmits uncompressed digital data and therefore delivers true HD quality.



To configure the HDMI display, touch  (on the Home screen) → **Settings** → **HDMI** (under **DEVICE**).

# Connecting a Serial Device (Optional)

If your model has the RS232 serial port, you can connect a serial device such as a serial mouse or serial communication device.



# Using microSD Cards (Optional)

If your model has the microSD card reader, you can use microSD cards for removable storage media.

## Inserting a microSD Card

**NOTE:** Make sure you format the card to FAT32 format. Google Android does not support NTFS and exFAT.

1. Locate the microSD card reader. Open the cover.
2. Align the card with its connector pointing to the slot and the connector side facing back. Slide the card into the slot until it reaches the end.



3. Close the cover.

## Removing MicroSD card

You can safely remove the microSD 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. Open the cover.
4. Slightly push the card to release and then pull it out of the slot.
5. Close the cover.

## Using the LAN (Optional)

To connect the network cable to the LAN module (if your model has the feature), connect one end of the LAN cable to the RJ-45 connector on the device and the other end to the network hub.



# Chapter 8

## *Care 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 it on again.

### Caring for 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.

- 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.

# Appendix A

## Specifications

**NOTE:** Specifications are subject to change without any prior notice.

Parts		Specifications
CPU		Intel® Bay Trail-M processor
BIOS		Insyde, Flash EEPROM, supporting UEFI
RAM		2GB/4GB DDR3L 1066/1333MHz SO-DIMM
Video	Controller	UMA - Intel® HD Graphics
	Display Panel	8.1-inch (16:10) TFT LCD, 1280 x 800 resolution, sunlight readable, dimmer mode, blackout mode, 600 Nits
Touchscreen		Capacitive multi-touch screen - 5 points
Audio	Features	Azalia, High Definition audio
	Speaker	1.5W x 1
	Microphone	Integrated microphone
Hard disk drive		SATA 2.0, 64/128 GB SSD (Solid-State Disk)
I/O ports	Standard	USB 3.0, combo audio (4-pole TRRS 3.5mm type), micro HDMI, Docking, Expansion
	Optional	One of the below options on the top side: RS232 / RJ-45 / microSD / barcode scanner
LAN (option)		10/100/1000 Mbps Ethernet
Wireless LAN + BT		Integrated 802.11ac Wi-Fi, IEEE 802.11a/b/g/n compatible, BT 4.0 + EDR
GPS		NMEA0183
WWAN		3G/4G LTE

Parts		Specifications
Camera		Front: HD Rear: 5M pixel, autofocus, LED, video capture
Power	AC adapter	Universal 65 W; input: 100~240 V, 50/60 Hz; output: 19V
	Battery pack	Lithium-ion Prismatic type, 4-cell
Dimension (LxWxD)		227 x 150 x 23.7 mm (8.93 x 5.90 x 0.93 inch)
Weight		950 g (2.09 lb)

# Appendix B

## *Regulatory Information*

This appendix provides regulatory statements and safety notices on your device.

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

## On the Use of the System

### Class B Regulations

#### USA

#### Federal Communications Commission Radio Frequency Interference Statement

**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.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

**Please note:**

The use of a non-shielded interface cable with this equipment is prohibited.

## Canada

### **Canadian Department of Communications Radio Interference Regulations Class B Compliance Notice**

This Class B digital apparatus meets all requirements of the Canada Interference-Causing equipment regulations.

Cet appareil numérique de Classe B respecte toutes les exigences du Règlement Canadien sur le matériel brouilleur.

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

# ANSI Warning

Equipment approved for ANSI/ISA 12.12.01, Nonincendive Electrical Equipment for use in Class 1, Division 2, Group A, B, C, and D.

Maximum ambient temperature: -25°C~55°C

- **WARNING:** To prevent ignition of a hazardous atmosphere, batteries must only be changed or charged in an area known to be non-hazardous.
- **EXPLOSION HAZARD WARNING:** External connections/hubs through the connectors as mentioned (USB connector, Ethernet connector, serial port, power supply connector, microphone jack, headphones jack, and buttons/switches) are not to be used in a hazardous location.
- Power adapter shall not be used in hazardous locations.

## Safety Notices

### About the Battery

#### Caution Texts Concerning Lithium Batteries

##### DANISH

ADVARSEL! Lithiumbatteri – Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandøren.

##### NORWEGIAN

ADVARSEL: Eksplosjonsfare ved feilaktig skifte av batteri. Benytt samme batteritype eller en tilsvarende type anbefalt av apparatfabrikanten. Brukte batterier kasseres i henhold til fabrikantens instruksjoner.

##### SWEDISH

WARNING: Explosionsfara vid felaktigt batteribyte. Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren. Kassera använt batteri enligt fabrikantens instruktion.

##### FINNISH

VAROITUS: Paristo voi räjähtää, jos se on virheellisesti asennettu. Vaihda paristo ainoastaan valmistajan suosittelemaan tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

## **ENGLISH**

**CAUTION:** Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.

## **DEUTSCH**

**VORSICHT:** Explosionsgefahr bei unsachgemäßem Austausch der Batterie. Ersatz nur durch denselben oder einen vom Hersteller empfohlenen gleichwertigen Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

## **FRENCH**

**ATTENTION:** Il y a danger d'explosion s'il y a un remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur. Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

## **Attention (for USA Users)**

The product that you have purchased contains a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

## **About the AC Adapter**

- Use only the AC adapter supplied with your device. Use of another type of AC adapter will result in malfunction and/or danger.
- Do not use the adapter in a high moisture environment. Never touch the adapter when your hands or feet are wet.
- Allow adequate ventilation around the 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 adapter to a proper power source. The voltage requirements are found on the product case and/or packaging.
- Do not use the 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.

# On the Use of the RF Device

## USA and Canada Safety Requirements and Notices

### Radio Frequency Interference Requirements and SAR

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.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.

### EMC Requirements

This device uses, generates and radiates radio frequency energy. The radio frequency energy produced by this device is well below the maximum exposure allowed by the Federal Communications Commission (FCC).

This device complies with the limits for a Class B digital device pursuant to Part 15 subpart C of the FCC Rules and Regulations. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

The FCC limits are designed to provide reasonable protection against harmful interference when the equipment is installed and used in accordance with the instruction manual and operated in a commercial environment. However, there is no guarantee that interference will not occur in a particular commercial installation, or if operated in a residential area.

If harmful interference with radio or television reception occurs when the device is turned on, the user must correct the situation at the user's own expense. The user is encouraged to try one or more of the following corrective 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:** The Part 15 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by the manufacturer could void the user's authority to operate this device.

## Canada Radio Frequency Interference Requirements

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

Pour empêcher que cet appareil cause du brouillage au service faisant l'objet d'une licence, il doit être utilisé à l'intérieur et devrait être placé loin des fenêtres afin de fournir un écran de blindage maximal. Si le matériel (ou son antenne d'émission) est installé à l'extérieur, il doit faire l'objet d'une licence.

## European Union CE Marking and Compliance Notices

### Statements of Compliance

#### English

This product follows the provisions of the European Directive 1999/5/EC.

#### Danish

Dette produkt er i overensstemmelse med det europæiske direktiv 1999/5/EC.

#### Dutch

Dit product is in navolging van de bepalingen van Europees Directief 1999/5/EC.

**Finnish**

Tämä tuote noudattaa EU-direktiivin 1999/5/EC määräyksiä.

**French**

Ce produit est conforme aux exigences de la Directive Européenne 1999/5/EC.

**German**

Dieses Produkt entspricht den Bestimmungen der Europäischen Richtlinie 1999/5/EC.

**Greek**

Το προϊόν αυτό πληροί τις προβλέψεις της Ευρωπαϊκής Οδηγίας 1999/5/EC.

**Icelandic**

Þessi vara stenst reglugerð Evrópska Efnahags Bandalagsins númer 1999/5/EC.

**Italian**

Questo prodotto è conforme alla Direttiva Europea 1999/5/EC.

**Norwegian**

Denne produktet er i henhold til bestemmelsene i det europeiske direktivet 1999/5/EC.

**Portuguese**

Este produto cumpre com as normas da Diretiva Europeia 1999/5/EC.

**Spanish**

Este producto cumple con las normas del Directivo Europeo 1999/5/EC.

**Swedish**

Denna produkt har tillverkats i enlighet med EG-direktiv 1999/5/EC.

**Restrictions**

This device is restricted to indoor use when operating in the 5150 to 5350 MHz frequency range.

# User Notification of Take-back Service

To Institutional (B2B) Users in United States:

Getac believes in providing our institutional customers with easy-to-use solutions to recycle your Getac-brand products for free. Getac understands the institutional customers will likely be recycling multiple items at once and as such. Getac wants to make the recycling process for these larger shipments as streamlined as possible. Getac works with recycling vendors with the highest standards for protecting our environment, ensuring worker safety, and complying with global environmental laws. Our commitment to recycling our old equipment grows out of our work to protect the environment in many ways.

Please see the product type below for information on Getac product, battery and packaging recycling in USA.

- **For Product Recycling:**  
Your portable Getac products contain hazardous materials. While they pose no risk to you during normal use, they should never be disposed with other wastes. Getac provides a free take-back service for recycling your Getac products. Our electronics recycler will provide competitive bids for recycling non-Getac products as well.
- **For Battery Recycling:**  
The batteries used to power your portable Getac products contain hazardous materials. While they pose no risk to you during normal use, they should never be disposed with other wastes. Getac provides a free take-back service for recycling your batteries from Getac products.
- **For Packaging Recycling:**  
Getac has chosen the packaging materials used to transport our products carefully, to balance the requirements of shipping the product to you safely while minimizing the amount of material used. The materials used in our packaging are designed to be recycled locally.

If you have the above for recycling, please contact our recycler, All Green Electronics Recycling, LLC. For more information on recycling, visit the website <http://www.allgreenrecycling.com>.

# ENERGY STAR



ENERGY STAR® is a government program that offers businesses and consumers energy-efficient solutions, making it easy to save money while protecting the environment for future generations.

Please reference ENERGY STAR® related information from <http://www.energystar.gov>.

As an ENERGY STAR® Partner, Getac Technology Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

An ENERGY STAR® qualified computer uses 70 % less electricity than computers without enabled power management features.

## Earning the ENERGY STAR®

- When every home office is powered by equipment that has earned the ENERGY STAR®, the change will keep over 289 billion pounds of greenhouse gases out of the air.
- If left inactive, ENERGY STAR® qualified computers enter a low-power mode and may use 15 watts or less. New chip technologies make power management features more reliable, dependable, and user-friendly than even just a few years ago.
- Spending a large portion of time in low-power mode not only saves energy, but helps equipment run cooler and last longer.
- Businesses that use ENERGY STAR® enabled office equipment may realize additional savings on air conditioning and maintenance.

- Over its lifetime, ENERGY STAR® qualified equipment in a single home office (e.g., computer, monitor, printer, and fax) can save enough electricity to light an entire home for more than 4 years.
- Power management (“sleep settings”) on computers and monitors can result in much savings annually.

## **Remember, saving energy prevents pollution**

Because most computer equipment is left on 24 hours a day, power management features are important for saving energy and are an easy way to reduce air pollution. By using less energy, these products help lower consumers’ utility bills, and prevent greenhouse gas emissions.

## **Getac Product Compliance**

All Getac products with ENERGY STAR® logo comply with the ENERGY STAR® standard, and the power management feature is enabled by default. The monitor and computer are automatically set to sleep after 15 and 30 minutes of user inactivity. To wake your computer, click the mouse or press any key on the keyboard. Please visit <http://www.energystar.gov/powermanagement> for detail information on power management and its benefits to the environment.