

**Getac**

E100-AVL

USER'S MANUAL

June 2012

**TRADEMARKS**

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**NOTE**

The information in this manual is subject to change without notice.

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# Chapter 1

# Getting Started

Congratulations on purchasing this rugged Rugged PC.

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

# Getting the Rugged PC Running

## Unpacking

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

- Rugged PC
- Accessories:
  - AC adapter
  - AC power cord
  - Screen protector film (already attached to the screen)
  - Stylus

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

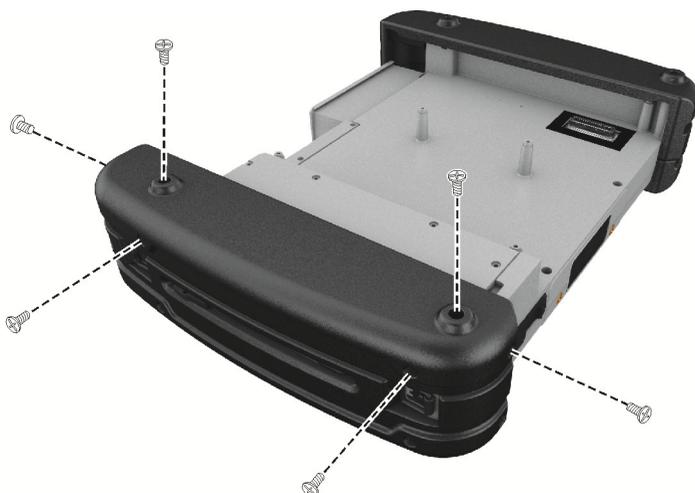
Keep the shipping carton and packing materials in case you need to ship or store the Rugged PC in the future.

# Installing the Battery Pack and Connecting to AC Power

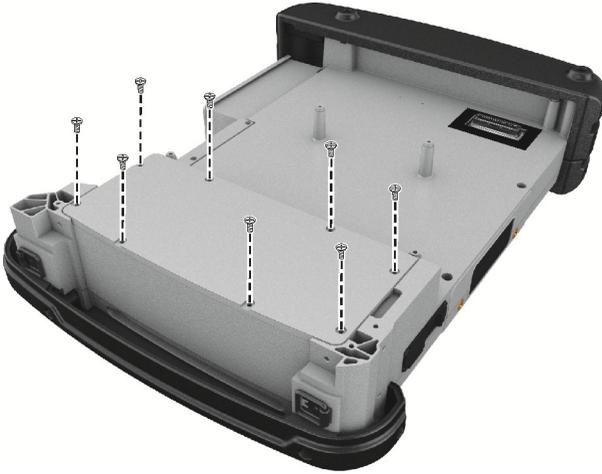
The Rugged PC operates either on the external AC power or internal battery power. It is suggested that you use AC power when starting up the Rugged PC for the very first time.

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

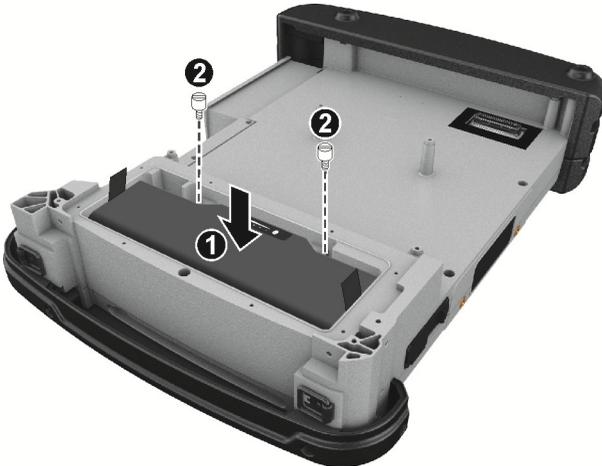
1. Make sure that the Rugged PC is turned off.
2. Place the Rugged PC upside down.
3. Remove the rubber bumper by unfastening 6 screws (as shown below) from the bumper.



4. Remove the battery cover by unfastening 8 screws (as shown below) from the cover.

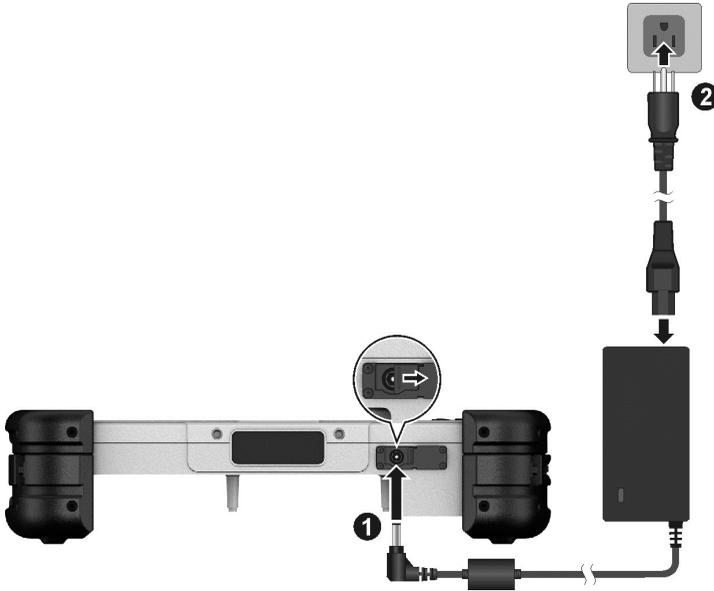


5. Fit the battery pack into place (1). Tighten two screws (2).



6. Replace the battery cover and the rubber bumper.

7. Plug the DC cord of the AC adapter to the power connector of the Rugged PC (❶). Plug the female end of the AC power cord to the AC adapter and the male end to an electrical outlet (❷).



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

**CAUTION:**

- When you disconnect the AC adapter, disconnect from the electrical outlet first and then from the Rugged PC. A reverse procedure may damage the AC adapter or the Rugged PC.
- When unplugging the connector, always hold the plug head. Never pull on the cord.

**NOTE:** When the AC adapter is connected, it also charges the battery pack. For information on using battery power, see Chapter 3.

# Turning On and Off the Rugged PC

## Turning On

Press the power button (  ). The operating system such as Microsoft Windows should start.



## Turning Off

When you finish a working session, you can stop the system by turning off the power or leaving it in Sleep or Hibernation mode:

To...	Do this...
Power off (Shutdown)	Use the Windows Start menu in the lower left and follow the shutdown procedure.
Sleep	Press the power button* or use the Windows Start menu to put the Rugged PC in Sleep mode.
Hibernate	Use the Windows Start menu to put the Rugged PC in Hibernation mode.

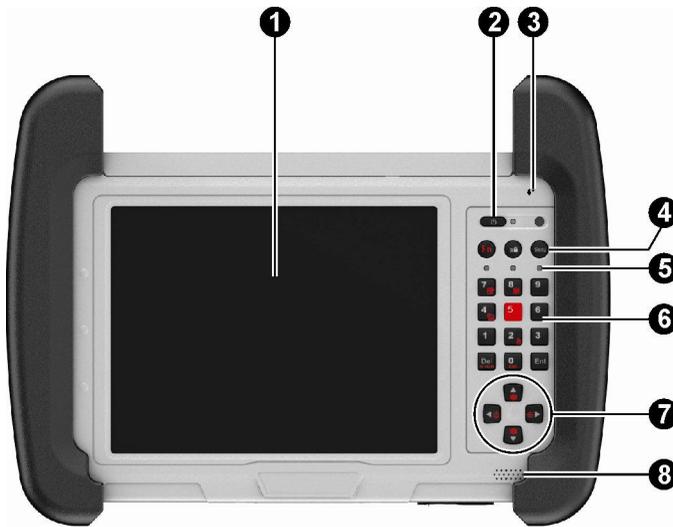
\* “Sleep” is the default setting of the power button. You may change what the power button does in Windows Control Panel.

Press the power button to resume or turn on the system from any of these modes.

# Taking a Look at the Rugged PC

**NOTE:** Depending on the model you purchased, the appearance of your Rugged PC may not be exactly the same as those shown in this manual.

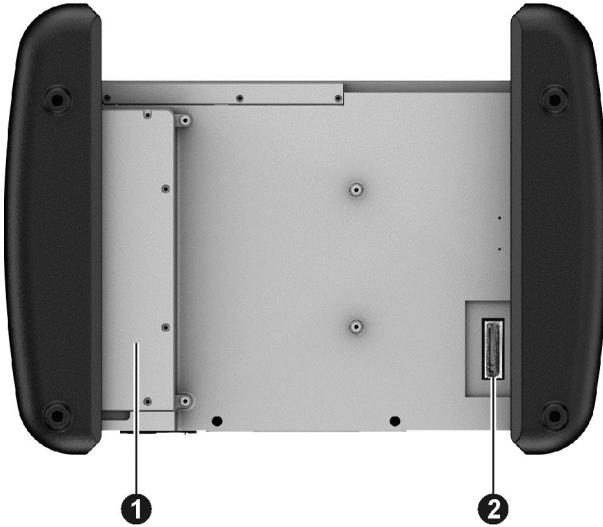
## Front Components



Ref	Component	Description
①	<b>Touchscreen</b>	Displays and receives information for the Rugged PC.
②	<b>Power Button</b>	Turns the power ON and OFF (Sleep mode by default). The green LED beside the button glows when the power is on and blinks when the system is in Sleep mode.
③	<b>Microphone</b>	Receives sound and voice to record voice.
④	<b>Control Buttons</b>	
	<b>Fn</b>	Toggles the <b>Fn</b> keylock ON and OFF.

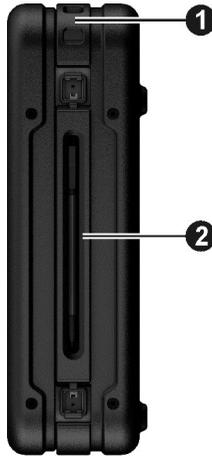
Ref	Component	Description
		Toggles the keypad lock ON and OFF.
	<b>Menu</b>	Toggles the “OSD Control Panel” ON and OFF.
<b>5</b>	<b>Indicators</b>	
	<b>RF (Radio Frequency)</b> 	Lights green when RF radio is on.
	<b>Battery Charge</b> 	Lights green when the battery is fully charged.
		Lights amber when the battery is being charged.
		Blinks red (once per second) when the battery’s capacity is below 10%.
		Blinks red rapidly (once per 0.5 second) when there is a thermal protection problem with the battery. 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>Hard Disk Drive</b> 	Lights green when hard disk drive is being accessed.
		Lights red when the optional heater is on during system operation.
		Blinks red when the optional heater is in an abnormal state.
<b>6</b>	<b>Numeric Keypad</b>	Provides number, <b>Delete</b> , and <b>Enter</b> keys. When <b>Fn</b> keylock is on, the keys provide alternative functions.
<b>7</b>	<b>Cursor-control Keys</b>	Serves as the arrow keys. When <b>Fn</b> keylock is on, the keys provide alternative functions.
<b>8</b>	<b>Speaker</b>	Sends out sound and voice from your Rugged PC.

# Rear Components



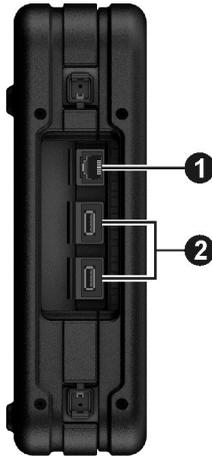
Ref	Component	Description
①	<b>Battery Pack</b>	Inside is the battery pack that supplies power to your Rugged PC when external power is not connected.
②	<b>Docking Connector</b>	Connects to the Docking Station (available as an option).

# Right-Side Components



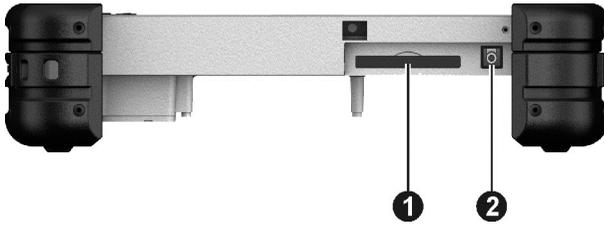
Ref	Component	Description
①	<b>Tether Hole</b>	Stylus tethered to this hole.
②	<b>Stylus</b>	Serves as the input device by tapping on the touchscreen to make selections and enter information.

# Left-Side Components



Ref	Component	Description
①	<b>RJ-45 Connector</b>	Connects the LAN cable.
②	<b>USB Ports</b>	Each of the two ports connects a USB device, such as a USB flash disk, printer, digital camera, joystick, and more.

# Top Components



Ref	Component	Description
❶	<b>ExpressCard Slot</b>	Accepts an ExpressCard for additional functions.
❷	<b>Headphone Out Connector</b>	Connects a set of headphones or external speakers with amplifier

# Bottom Components



Ref	Component	Description
❶	<b>Power Connector</b>	Connects the AC adapter.



## Chapter 2

# Operating Your Rugged PC

This chapter provides information about the use of the Rugged PC.

If you are new to Rugged PCs, reading this chapter will help you learn the operating basics. If you are already a computer user, you may choose to read only the parts containing information unique to your Rugged PC.

**CAUTION:** The Rugged PC can get uncomfortably warm when you use it in high temperatures. As a safety precaution in such a circumstance, do not place the Rugged PC 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.

# Using the Touchscreen

**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 your finger or the included stylus. A screen protector film has been attached to the screen before shipment. The film is a consumable, which will be worn out after a period of use (6 months in average). You can purchase a new one when replacement is required.

The screen of your Rugged PC is touch-sensitive. You can control the location of the cursor/pointer on the screen using your finger or the included stylus to communicate with the Rugged PC.



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

<b>Term</b>	<b>Action</b>
Click/Point	Tap gently on the touchscreen.
Double-click	Tap twice on the touchscreen rapidly.
Drag and drop	Press lightly on the touchscreen and move your finger until you reach your destination (drag). Finally, release your finger (drop) when you finish dragging your selection to the destination. The object will drop into the new location.

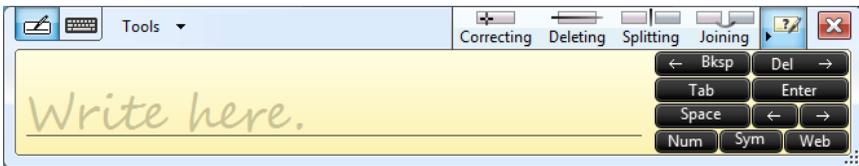
# Using the Input Panel

Use the Input Panel to enter text and perform various keyboard functions. There are two types of Input Panels for you to use in Windows 7:

- **Touch Keyboard** allows you to enter text by tapping the keys with your stylus, like pressing the keys on a standard keyboard.



- **Writing Pad** allows you to write on the writing pad, like writing on a piece of paper. Your handwriting will be converted into typed text.



To open the Input Panel, tap the Input Panel tab, which appears by default on the left edge of the screen. To switch between the two types, tap  or  at the upper left corner of the Input Panel.

**NOTE:** For more information on using the Input Panel, see [Windows' online help](#).

# Using the Keypad

The keypad of your Rugged PC can be divided into three areas:

- Control buttons
- Numeric, Delete (**Del**), and Enter (**Ent**) keys
- Cursor-control keys

## Control Buttons



Located on top of the keypad are three control buttons:

- **Fn** button toggles the **Fn** keylock ON and OFF. When ON (indicated by the icon  on the taskbar), you can use the alternative functions of the keypad keys (as described in the next two sections).
-  button toggles the keypad lock ON and OFF. Press the button to lock the keypad (indicated by the icon  on the taskbar) so that accidental pressing of the keypad does not result in unexpected operation. To unlock, press and hold the button for more than three second.
- **Menu** button toggles the OSD Control Panel ON and OFF.

**NOTE:** The status of **Fn** lock and keypad lock will persist through Sleep/Hibernation mode or system power off.

# Numeric Keypad with Alternative Functions

Shown below is the 12-key numeric keypad with Delete and Enter keys.

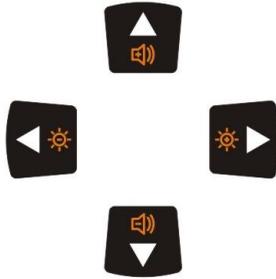


When the **Fn** keylock is ON (indicated by the icon  on the taskbar), the keys with orange icons provide alternative functions as described below.

-  rotates the screen display by 90° with each press.
-  switches the keypad backlight ON and OFF.
-  switches the sunlight-readable mode ON and OFF. When ON, the display brightness is set to the highest level.
-  switches the touchscreen OFF and ON.
-  serves as the mouse right-click button.
- **C+A+D** serves as the **Ctrl+Alt+Del** key combination for resetting the system.
- **ESC** serves as the **Escape** key.

# Cursor-Control Keys with Alternative Functions

Cursor-control keys control cursor movement. The word “cursor” refers to the indicator on the screen (except for pointer on screen) that lets you know exactly where on your screen anything you type will appear. It can take the form of a vertical or horizontal line, a block, or one of many other shapes.



When the **Fn** keylock is ON (indicated by the icon  on the taskbar), the keys with orange icons provide alternative functions as described below.

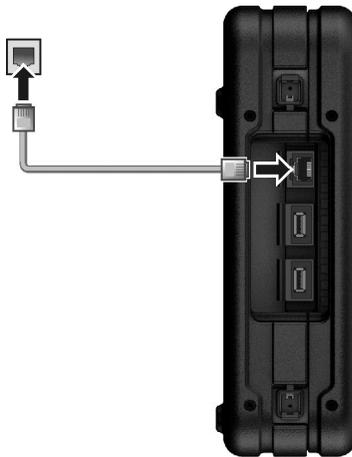
-  increase the sound volume.
-  decrease the sound volume.
-  increase the brightness of LCD display.
-  decrease the brightness of LCD display.

# Using the Network Features

## Using the LAN

The internal 10/100/1000Base-T LAN (Local Area Network) module allows you to connect your Rugged PC to a network. It supports data transfer rate up to 1000 Mbps.

To connect the network cable to the LAN module, connect one end of the LAN cable to the RJ-45 connector (  ) on the Rugged PC and the other end to the network hub.



# Using the Wireless LAN (Optional)

The WLAN features include:

- Peer-to-Peer (Ad-Hoc) and Access Point (Infrastructure) modes support (5GHz not support, 2.4GHz CH12 and CH13 not support.)
- WEP (Wired Equivalent Privacy) 64/128-bit data encryption
- The frequency range and channel support in Taiwan are as below:

frequency range: 2.4GHz portion: 2.412~2.462 GHz;

5.2GHz portion:

5.28~5.825GHz

Channel range: 2.4GHz portion: 1~11

5.2 GHz portion 56~165

- IEEE 802.11a/b/g/n standard compliance

Technology	802.11a	802.11b/g	802.11n
Channel Center in GHz	5.18 ~ 5.825 GHz	2.412 ~ 2.462 GHz	2.412 ~ 2.472 GHz 5.18 ~ 5.825 GHz
Channel	36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 149, 153, 157, 161, 165	1 ~ 13	2.4 GHz: 1 ~ 13 5.2 GHz: 36 ~ 165
Data Rates (Mbps)	6, 9, 12, 18, 24, 36, 48, and 54 Mbps in OFDM mode	802.11b: 1 and 2 Mbps in DSSS mode; 5.5 and 11 Mbps in CCK mode  802.11g: 6, 9, 12, 18, 24, 36, 48, and 54 Mbps in OFDM mode	130 Mbps under the condition of 2 spatial streams, 64-QAM modulation type, 20 MHz-wide channel, and 5/6 coding rate.

## Turning On/Off the WLAN Radio

**NOTE:** The FAA (Federal Aviation Agency) has deemed it unsafe to operate wireless devices in aircraft as this may interfere with flight safety. Turn off wireless LAN when using your Rugged PC in the airplane.

1. Press the **Menu** button on your Rugged PC to open the OSD Control Panel.
2. Click the **RF** button to switch the wireless radio on/off. The word **ON** or **OFF** on the button indicates the current status.



3. Windows Mobility Center has wireless network turned on by default. The Wireless Network icon  on the taskbar should appear without a red X. (In case you have previously turned it off in Windows Mobility Center, be sure to turn it on when using the function the next time.)

## Connecting to a Wireless Network

1. Make sure that the WLAN function is enabled (as described above).
2. Tap the Wireless Network icon  on the taskbar. (An orange light in the icon  indicates connections are available.)
3. In the list of available wireless networks, select a network, and then click **Connect**.



4. Some networks require a network security key or passphrase. To connect to one of those networks, ask your network administrator or Internet service provider (ISP) for the security key or passphrase.

For more information on setting a wireless network connection, refer to Windows online help.

**NOTE:** You can use Intel® PROSet Wireless to take full advantage of the WiFi capabilities of your Rugged PC. See the Help of the utility for instructions.

# Using the BT Feature (Optional)

The BT 4.0+EDR technology allows short-range (about 50 meters) wireless communications between devices without requiring a cable connection. Data can be transmitted through walls, pockets and briefcases as long as two devices are within range.

## Turning On/Off the BT Radio

1. Press the **Menu** button on your Rugged PC to open the OSD Control Panel.
2. Click the RF button to switch the wireless radio on/off. The word **ON** or **OFF** on the button indicates the current status.



# Chapter 3

# Managing Power

Your Rugged PC operates either on external AC power or on internal battery power.

This chapter tells you how you can effectively manage power. To maintain optimal battery performance, it is important that you use the battery in the proper way.

# AC Adapter

## CAUTION:

- The AC adapter is designed for use with your Rugged PC only. Connecting the AC adapter to another device can damage the adapter.
- The AC power cord supplied with your Rugged PC is for use in the country where you purchased your Rugged PC. If you plan to go overseas with the Rugged PC, consult your dealer for the appropriate power cord.
- When you disconnect the AC adapter, disconnect from the electrical outlet first and then from the Rugged PC. A reverse procedure may damage the AC adapter or Rugged PC.
- When unplugging the connector, always hold the plug head. Never pull on the cord.



The AC adapter serves as a converter from AC (Alternating Current) to DC (Direct Current) power because your Rugged PC runs on DC power, but an electrical outlet usually provides AC power. It also charges the battery pack when connected to AC power.

The adapter operates on any voltage in the range of 100~240 V AC.

# Battery Pack

The battery pack is the internal power source for the Rugged PC. It is rechargeable using the AC adapter.

The operating time of a fully charged battery pack depends on how you are using the Rugged PC. When your applications often access peripherals, you will experience a shorter operating time.

## Charging the Battery Pack

### NOTE :

- Charging will not start if the battery's temperature is below 0 °C (32 °F) or above 40 °C (104 °F); the charging process will stop if the battery's temperature gets above 60 °C (140 °F). To avoid damaging the battery under this situation, disconnect the AC adapter and wait for the battery to return to room temperature before charging again.
- 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 Rugged PC and an electrical outlet. The Battery Charge Indicator (  ) on the Rugged PC glows amber to indicate that charging is in progress. You are advised to keep the Rugged PC power off while the battery is being charged. When the battery is fully charged, the Battery Charge Indicator glows green.

It takes approximately 2 hours to fully charge the Li-Ion battery pack at a room temperature of 25 °C (77 °F) (may need a longer charging time at lower temperatures).

**CAUTION:** After the Rugged PC 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 Rugged PC.

## Checking the Battery Level

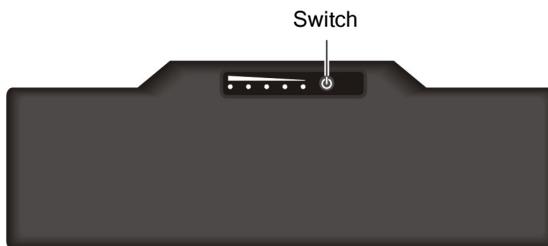
**NOTE:** Any battery level indication is an estimated result. The actual operating time can be different from the estimated time, depending on how you are using the Rugged PC.

### By Operating System

You can check the approximate battery level using the battery meter function of the operating system. To read the battery level in Windows, click the battery icon on the taskbar.

### By Gas Gauge

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 Rugged PC and you want to know the battery charge, you can press the switch with a pointed device to see the corresponding value of indicator segment that light green.



The value of the corresponding green segment indicates the relative percentage of the battery charge. The battery pack is fully discharged when you see no segment glowing green.

# Replacing the Battery Pack

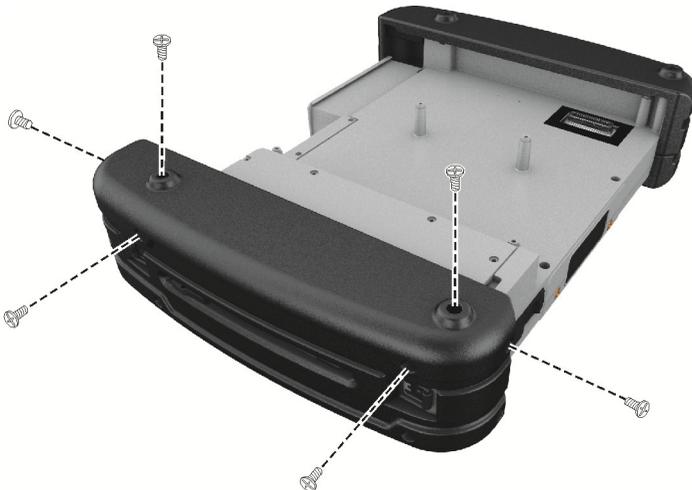
## CAUTION:

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

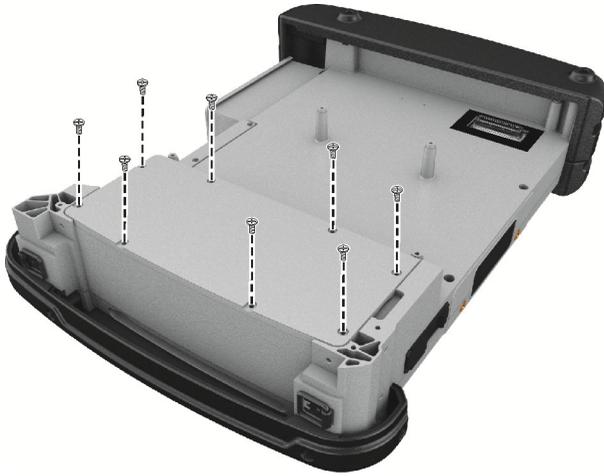
If you often rely on battery power for a long period of time while traveling, you may consider the purchase of an additional battery pack from your dealer and keep it with you in a fully charged state as a backup.

To replace the battery pack, follow these steps:

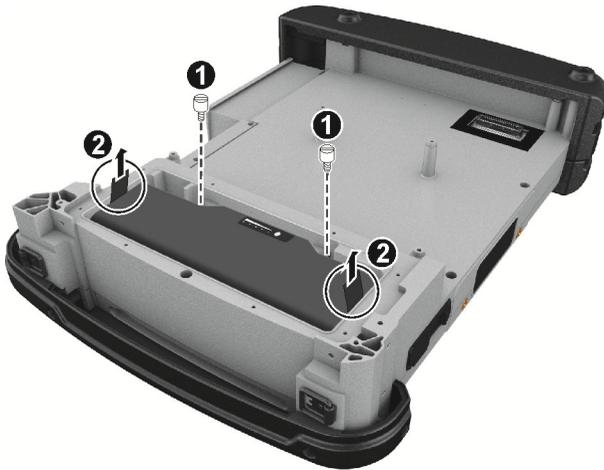
1. Make sure that the Rugged PC is not turned on or connected to AC power.
2. Remove the rubber bumper by unfastening 6 screws (as shown below) from the bumper.



3. Remove the battery cover by unfastening 8 screws (as shown below) from the cover.



4. Remove the two screws (1). Pull the ribbon strips to lift the battery pack out of the computer (2).



5. Fit another battery pack into place. Tighten two screws.
6. Replace the battery cover and the rubber bumper.

## Battery Low Signals and Actions

When the battery is low, Windows gives warning messages and the Battery Charge Indicator (  ) blinks red to alert you.

**NOTE:** You can set up your threshold and signals of Battery Low under Windows.

Immediately save your data upon Battery Low. The remaining operating time depends on how you are using the Rugged PC.

Always respond to Battery Low by placing your Rugged PC on the Sleep or Hibernation mode, turning off the Rugged PC, or connecting the AC adapter. If you do not take any action, the Rugged PC will automatically hibernate and turn off.

# Power Management

Your Rugged PC supports ACPI (Advanced Configuration and Power Interface) for power management. The power management feature allows you to reduce the power consumption for energy saving.

With an ACPI-compliant operating system such as Windows, power supply to different Rugged PC components is controlled on an as-needed basis. This allows maximum power conservation and performance at the same time.

In general, Windows' power management works in this way:

What...	When...
Power to the hard disk is turned off	When the hard disk has been idle for a set period.
Power to the display is turned off	When the display has been idle for a set period.
The Rugged PC enters the Sleep mode. The hard disk and display are turned off and the entire system consumes less power.	When the entire system has been idle for a set period.
	When you manually activate the mode.
The Rugged PC enters the Hibernation mode. (See the next subsection for more information.)	When the entire system has been idle for a set period.
	When you manually activate the mode.

For detailed information on power management, see Windows' Help.

# Hibernation

Hibernation is a very useful feature. People frequently open many applications when they use computers. It takes some time to get all these applications open and running, and normally they all have to be closed before the computer can be turned off.

When you use the hibernation feature, you do not have to close the applications. The Rugged PC stores the state of your Rugged PC to a file on the hard disk and then shuts down. The next time you turn on your Rugged PC, you return to exactly where you left off.

# Power-Saving Tips

Aside from enabling your Rugged PC's power saving mode (see previous section), you can do your part to maximize the battery's operating time by following these suggestions.

- Do not disable Power Management.
- Decrease the LCD brightness to the lowest comfortable level.
- Shorten the length of time before Windows turn off the display.
- Many USB devices use power just by being connected. If you use a USB mouse, you can save power by disconnecting the mouse and using the optional stylus. If you use a USB flash drive, unplug it when you are not using it.
- Remove the ExpressCard (if inserted) when not using it.
- Turn off the wireless radio if you are not using the wireless module.
- Turn off the Rugged PC when you are not using it.

# Appendix A

# Specifications

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

Parts		Specifications
CPU		Intel® Cedar Trail N2600 1.60 GHz
Chipset		Intel® Tiger Point NM10 Express
BIOS		Phoenix, 2MB Flash EEPROM
RAM		2GB DDR3-1066 SO-DIMM
Video	Controller	Intel® GMA 3650 (Integrated in Cedar Trail)
	Display Panel	8.4-inch SVGA 800x600 LCD, sunlight readable, 500 Nits maximum brightness, resistive touchscreen, non-glare type with AR/AG film
Audio	Features	High Definition audio, volume control via keypad and software
	Speaker	Integrated speaker
	Microphone	Integrated microphone
Hard disk drive		mSATA, 32GB SSD (Solid State Drive)
I/O ports		USB (2.0) × 2, RJ-45, headphone out, ExpressCard/54, Docking
LAN		10/100/1000 Mbps Ethernet
Wireless LAN (option)		802.11 a/b/g/n

Parts		Specifications
BT		BT 4.0/2.1+EDR
Security		TPM 1.2
Power	AC adapter	Universal 90 W; input: 100~240 V, 50/60 Hz; output: 19V
	Battery	Lithium-ion cylindrical battery, 8 cells, 2100mAh
Dimension (LxWxD)		280×184×50mm (11×7.2×1.97 inch) (not including rubber bumper and test box)
Weight		< 2.8 kg (6.17 lb)
Environment	Temperature	Operating: -20 °C (-4 °F) to 40 °C (104 °F) Storage: -40 °C (-40 °F) to 71 °C (160 °F)
	Humidity	Relative: 0 % to 95 % non-condensing
	Compliance	MIL-STD-810G and IP65
Regulations		CE, FCC, UL

# Appendix B

## Regulatory Information

This appendix provides regulatory statements and safety notices on your Rugged PC.

**NOTE:** Marking labels located on the exterior of your Rugged PC 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.

# USA – FCC

## Class B

### **Federal Communications Commission Radio Frequency Interference Statement**

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.

#### **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:**

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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

## Notes

The country code selection is for non-US models only and is not available to all US models. Per FCC regulation, all WiFi products marketed in US must be fixed to US operation channels only.

## RF Exposure Information (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.

The exposure standard for wireless device 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 power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

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 [www.fcc.gov/oet/ea/fccid](http://www.fcc.gov/oet/ea/fccid) after searching on FCC ID: QYLE100AVL2.

# Canada – IC

## Class B

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

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. 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.

This device complies with Industry Canada license-exempt RSS standard(s). 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

#### **Caution:**

(i) the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

(ii) the maximum antenna gain permitted for devices in the bands 5250–5350 MHz and 5470–5725 MHz shall comply with the e.i.r.p. limit; and

(iii) the maximum antenna gain permitted for devices in the band 5725–5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.

(iv) Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250–5350 MHz and 5650–5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

(v) This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios. The County Code Selection feature is disabled for products marketed in the US/ Canada.

### **Avertissement :**

Le guide d'utilisation des dispositifs pour réseaux locaux doit inclure des instructions précises sur les restrictions susmentionnées, notamment :

(i) les dispositifs fonctionnant dans la bande 5 150–5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

(ii) le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5 250–5 350 MHz et 5 470–5 725 MHz doit se conformer à la limite de p.i.r.e.;

(iii) le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5 725–5 825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

(iv) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250–5 350 MHz et 5 650–5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

(v) Cet appareil et son antenne ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, exception faites des radios intégrées qui ont été testées. La fonction de sélection de l'indicatif du pays est désactivée pour les produits commercialisés aux États-Unis et au Canada.

### **Radiation Exposure Statement:**

The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

### **Déclaration d'exposition aux radiations :**

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats-Unis et le Canada établies pour un environnement non contrôlé. Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

# Europe – EU Declaration of Conformity

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC:

## **EN 60950-1:2006+A11:2009+A1:2010+A12:2011**

Safety of Information Technology Equipment

## **EN50332-2:2003**

Sound system equipment – Headphones and earphones associated with portable audio equipment – Maximum sound pressure level measurement methodology and limit considerations – Part 2: Matching of sets with headphones if either or both are offered separately

## **EN50566:2013**

Product standard to demonstrate compliance of radio frequency fields from handheld and body-mounted wireless communication devices used by the general public (30 MHz – 6 GHz)

## **EN 62209-2:2010**

## **EN62479:2010**

## **EN 301 489-1 V1.9.2: 2011**

Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

## **EN 301 489-17 V2.2.1/2012**

Electromagnetic 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

## **EN 300 328 V1.8.1: 2012**

Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

## **EN 301 893 V1.7.1: 2012**

Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN; Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive



### **Česky**

Getac tímto prohlašuje, že tento E100-AVL je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.

### **Dansk**

Undertegnede Getac erklærer herved, at følgende udstyr E100-AVL overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

### **Deutsch**

Hiermit erklärt Getac, dass sich das Gerät E100-AVL in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.

### **Eesti**

Käesolevaga kinnitab Getac seadme E100-AVL vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

### **English**

Hereby, Getac, declares that this E100-AVL is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

### **Español**

Por medio de la presente Getac declara que el E100-AVL cumple con los requisitos

esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

### **Ελληνική**

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Getac ΔΗΛΩΝΕΙ ΟΤΙ Ε100-AVL ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.

### **Français**

Par la présente Getac déclare que l'appareil E100-AVL est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

### **Italiano**

Con la presente Getac dichiara che questo E100-AVL è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

### **Latviski**

Ar šo Getac deklarē, ka E100-AVL atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

### **Lietuvių**

Šiuo Getac deklaruoja, kad šis E100-AVL atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

### **Nederlands**

Hierbij verklaart Getac dat het toestel E100-AVL in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

### **Malti**

Hawnhekk, Getac, jiddikjara li dan E100-AVL jikkonforma mal-ħtiġġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.

### **Magyar**

Alulírott, Getac nyilatkozom, hogy a E100-AVL megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.

### **Polski**

Niniejszym Getac oświadcza, że E100-AVL jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.

### **Portuguê**

Getac declara que este E100-AVL está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

### **Slovensko**

Getac izjavlja, da je ta E100-AVL v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.

### **Slovensky**

Getac týmto vyhlasuje, že E100-AVL spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

### **Suomi**

Getac vakuuttaa täten että [type of equipment = laitteen tyyppimerkintä] tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

### **Svenska**

Härmed intygar Getac att denna [utrustningstyp] står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

This device have been tested to comply with the Sound Pressure Level requirement laid down in the applicable EN 50332-1and/or EN 50332-2 standards. Permanent hearing loss may occur if earphones or headphones are used at high volume for prolonged periods of time.

### **Logo**



# 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**

VARNING: 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 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 Rugged PC. 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.

