G MANAGER
USER GUIDE

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Welcome To G Manager

1.1 Introduction

G Manager is a unified user interface utility that allows you to manage and configure the following:

- System
- Battery
- Light Sensor
- ECO (economy mode)
- Ignition
- Monitoring
- Antenna
- GPS Status

1.2 Minimum System Requirement

In order to use the **G Manager** the following hardware and software requirements must be met:

- GETAC series compatible notebook computer
- Pentium II processor, 400 MHz or above CPU
- 50 MB or more free hard disk space (200 MB recommended)
- Windows XP (Professional, Home Edition, Media Center Edition 1), Windows 2000 Professional (Service Pack 3 or higher), Windows Millennium Edition, or Windows 98 Second Edition operating system
- 800 × 600 display resolution or higher
  (1024 × 768 or higher recommended)
- Microsoft .NET Framework 2.0 (included in the GETAC Utility installation)

- 280 MB of hard disk space required for 32-bit computers, and 610 MB for 64-bit computers

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Using G Manager

2.1 Introduction

This chapter will guide you through:

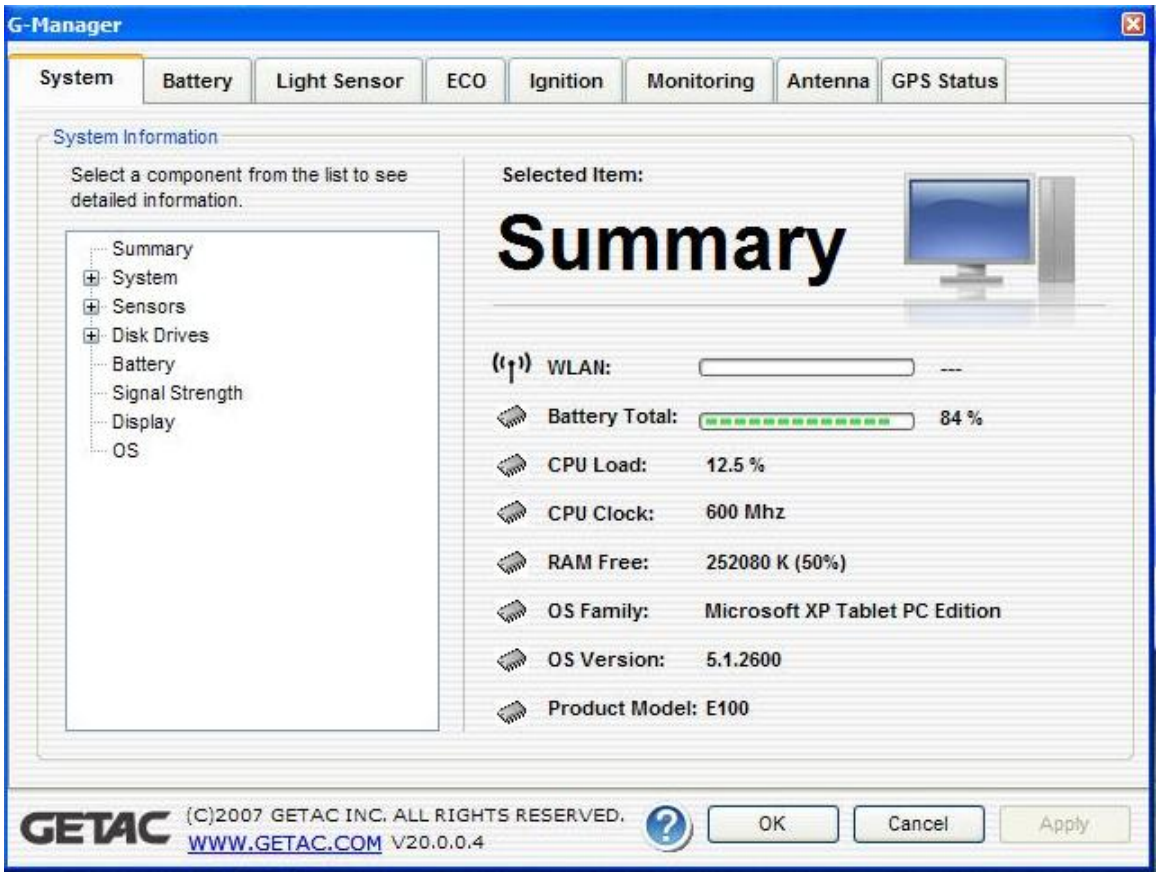
- Starting G Manager
- G Manager Interface Overview
- Using the G Manager

2.2 Starting G Manager

You can start up G Manager by any of the following methods:

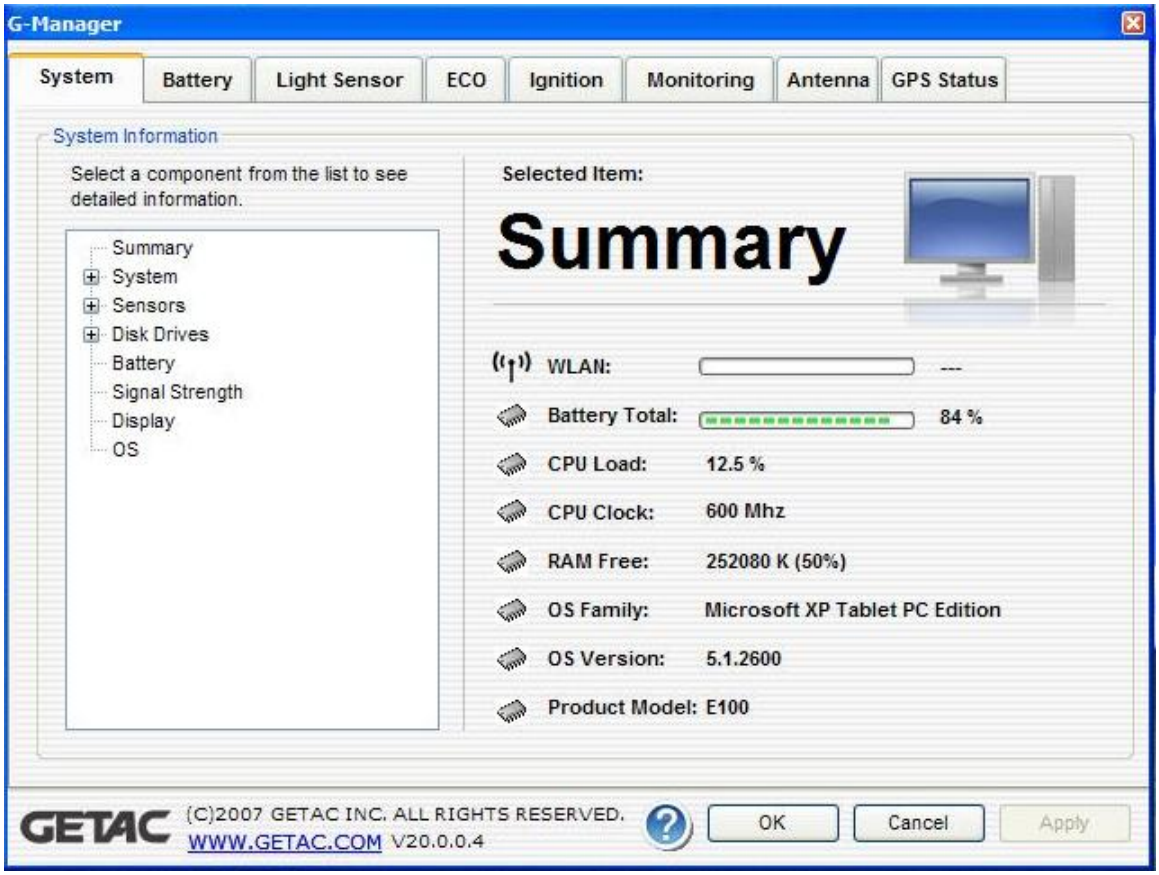
- Click **Start → All Programs → GETAC Utility**, or
- Right-click on the GETAC Utility icon ( ) located on the system tray and click **G-Manager**.

The following screen appears.



2.3 System Tab

The System tab provides an overview of the system status.



The component to be viewed is selected from the tree view list on the left side of the screen. It contains eight major components namely:

- Summary
- System
- Sensors
- Disk Drives
- Battery
- Signal Strength
- Display

- OS (operating system)

The status of the selected component is displayed on the right side of the screen.

2.4 Battery Tab

The Battery tab allows you to minimize deterioration of the battery thereby ensuring a longer battery life. At most two batteries may be supported.

Press Battery 1 or Battery 2 to view the details and configuration settings of each battery.

Battery Information

The upper portion of the Battery tab contains a live update of information about the selected battery.

When the percentage **% Left** is less than 10 % then the value will be displayed in **red**.

When an abnormal battery condition is detected **Battery Status** value will be displayed in **red**.

Charging Mode

The lower left portion of the Battery tab allows you to select the charging mode.

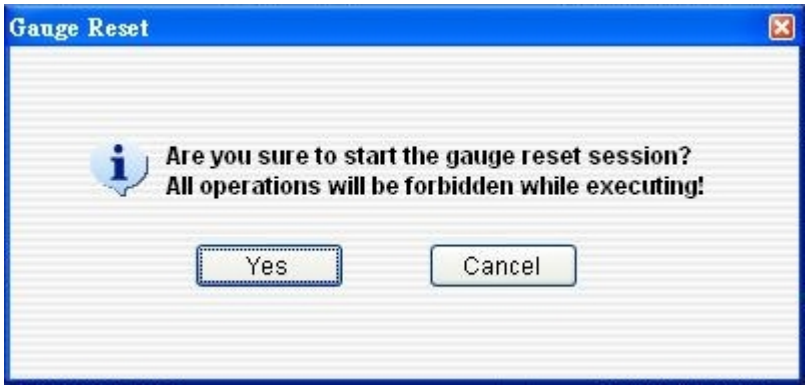
- Normal Mode – the battery will be fully charged. When remaining charge reaches below 95 %, then charging will start until it is fully charged.
- Economy Mode – to help prolong battery life the battery will be charged up to 80 % of its total capacity only. Highly recommended when you are using AC power most of the time.

Gauge Reset

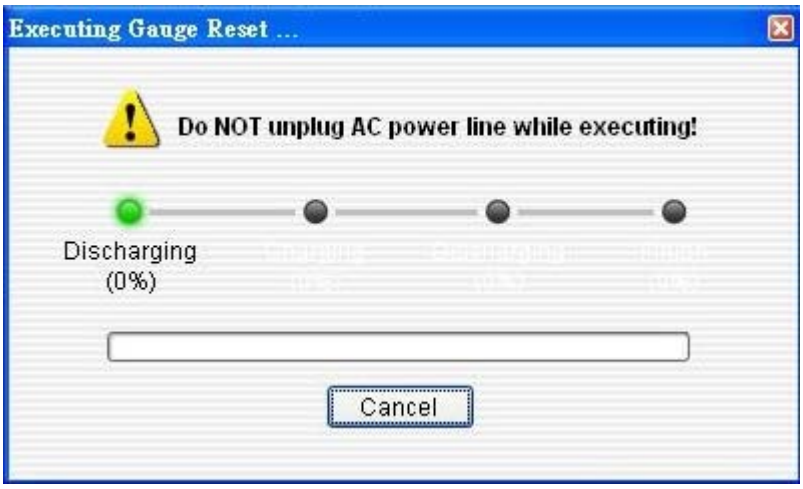
The lower right portion of the Battery tab allows you to discharge and recharge the battery in order to activate certain physical attributes periodically.

The percentage bar shows the need to perform a gauge reset. The higher the percentage, the more urgent need to perform gauge reset.

Click **Start** to perform a gauge reset and the following screen appears.



Click **Yes** to start the gauge reset session and the following screen appears.



The percentage of completion will be shown on the progress bar. Depending on the number of battery, the screen will show the corresponding number of batteries to perform gauge reset. The value of **Working Status** will show in **red** alternately.

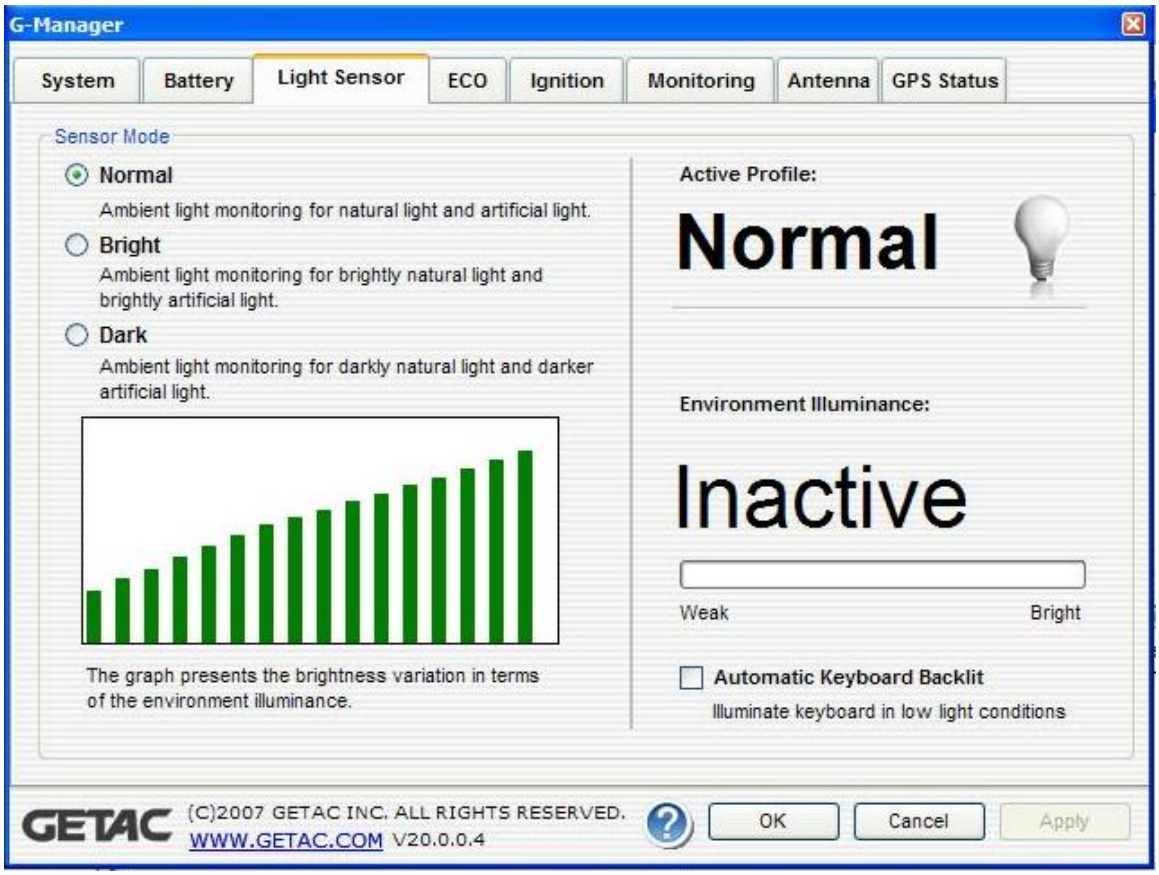
You can click **Cancel** anytime to stop gauge reset.

When a gauge reset is in progress, do not execute other operation except to click **Cancel** to stop gauge reset.

The message **!!!WARNING – LEAKING BATTERIES!!!** will appear when system detects battery performance deterioration due to its aging effect.

2.5 Light Sensor

The Light Sensor tab allows you to adjust the LCD brightness based on your surrounding's lighting condition.



Sensor Mode

The left portion of the Light Sensor tab allows you to select the sensor mode.

- Normal – light sensor sensitivity is set at normal environment lighting condition.
- Bright – light sensor sensitivity is set at bright environment lighting condition (e.g. outdoors).

- Dark – light sensor sensitivity is set at dark environment lighting condition (e.g. indoors, storage warehouse, etc.).

The lower left portion of the Light Sensor tab shows the selected sensor mode's graph.

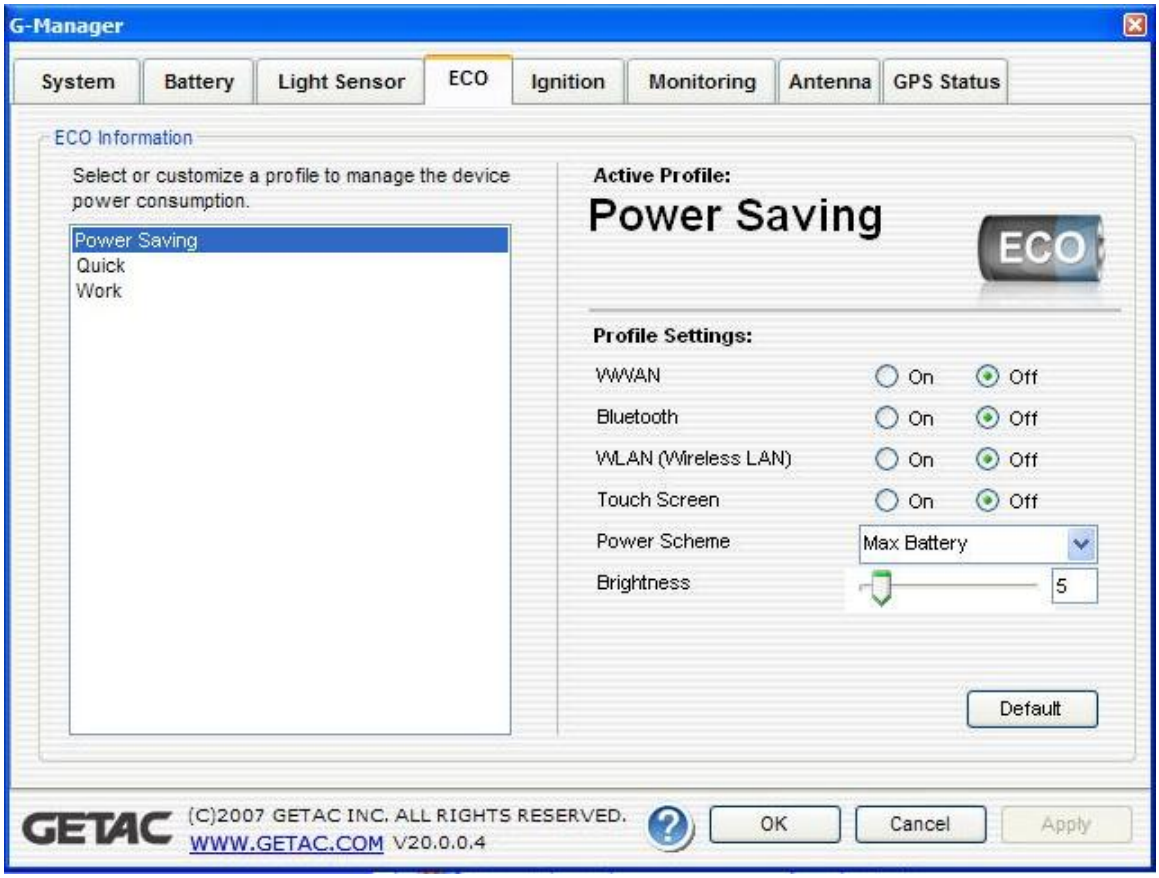
The upper right portion of the Light Sensor tab shows the active profile based on your selection on sensor mode.

The middle right portion of the Light Sensor tab shows the environment luminance (degree of Lux from weak to bright) as detected by your tablet PC's light sensor.

The lower right portion of the Light Sensor tab allows your system to illuminate the keypad in poor lighting environment by selecting the checkbox Automatic Keyboard Backlit.

2.6 ECO Tab

The ECO tab allows you to manage the system's power consumption.



The items appearing on the ECO tab may differ depending on your model.

ECO Information

Depending on the system, the left portion of the ECO tab shows the available profile to manage the system's power consumption.

Active Profile

The right upper portion of the ECO tab shows the name of the current profile selected.

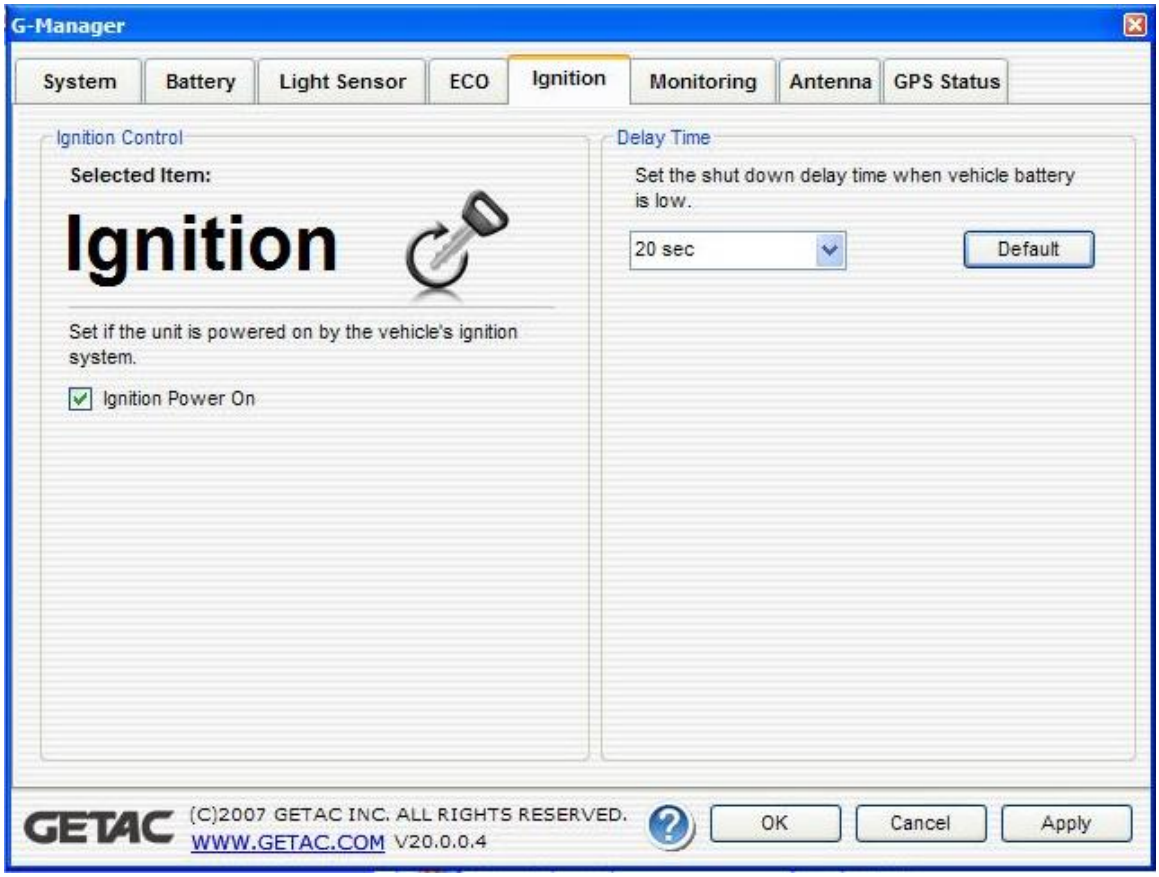
Profile Settings

The lower right portion of the ECO tab contains the following:

- Turn on/off the following for power saving: WWAN, Bluetooth, WLAN, touch screen, and optical disk drive.
- Power Scheme – select Home/Office Desk, Portable/Laptop, Presentation, Always On, Minimal Power Management, or Max Battery. The setting here will correspond to your settings in Windows. (See Windows Help for the description to each of the power scheme.)
- Brightness – adjust the brightness setting from 0 ~ 63.
- Default – revert back to original profile setting.

2.7 Ignition Tab

The Ignition tab allows you to set if the system is deriving power from your vehicle.



Ignition Control

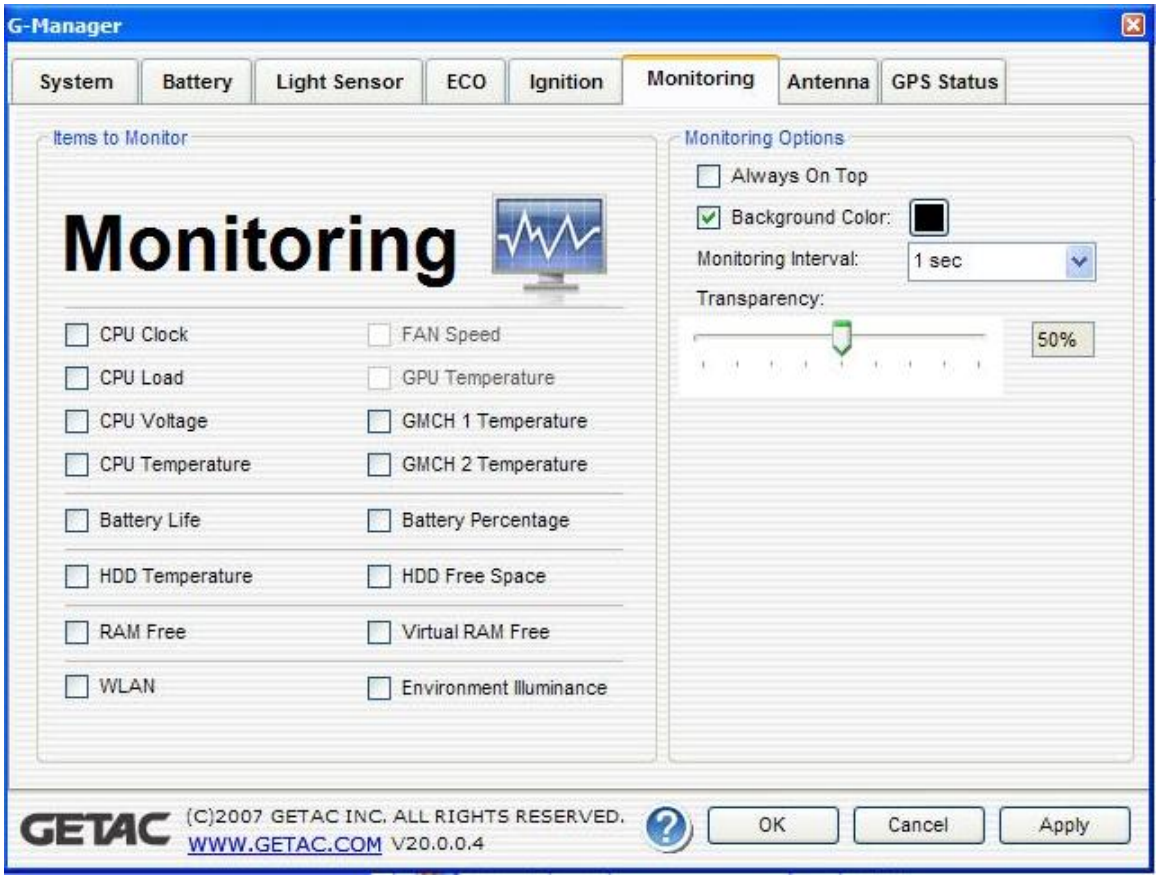
The left portion of the Ignition tab allows your system to derive power from the vehicle by selecting the checkbox Ignition Power On. This feature is only available when your tablet PC is docked to the GETAC docking station.

Delay Time

The right portion of the Ignition tab allows you to set the delay time (20 seconds, 30 seconds, 45 seconds, 1 minute, or 2 minute) to shut down the system when the vehicle's battery is low. This will help prevent the tablet PC from using up the vehicle's battery power thereby causing poor vehicle startup.

2.8 Monitoring Tab

The Monitoring tab allows you to select the items on your system to monitor.



Press **OK** and right-click on the G-manager icon ( ) located on the system tray and click **Start Monitor**. The changes made to the monitoring options are immediately implemented on the monitoring window.

To exit the monitor function, right-click on the G-manager icon () located on the system tray and click **Stop Monitor**.

Items to Monitor

The left portion of the Monitoring tab allows you to select which item to monitor by selecting on the checkbox before each item. When enabled the status of the selected Item is displayed and a live update is shown on the screen. Items with higher priority are shown on top of items with lower priority (see the next table).

Priority	Monitoring Items
1	CPU clock
2	CPU load
3	CPU voltage
4	CPU temperature
5	RAM Free
6	Virtual RAM free
7	Battery left time
8	Battery left percentage
9	WLAN
10	GPU temperature
11	GMCH 1 temperature
12	GMCH 2 temperature
13	HDD temperature
14	HDD free space
15	Fan speed
16	Environment luminance

Different model have different supported monitoring items; non-supported items cannot be selected (gray out item).

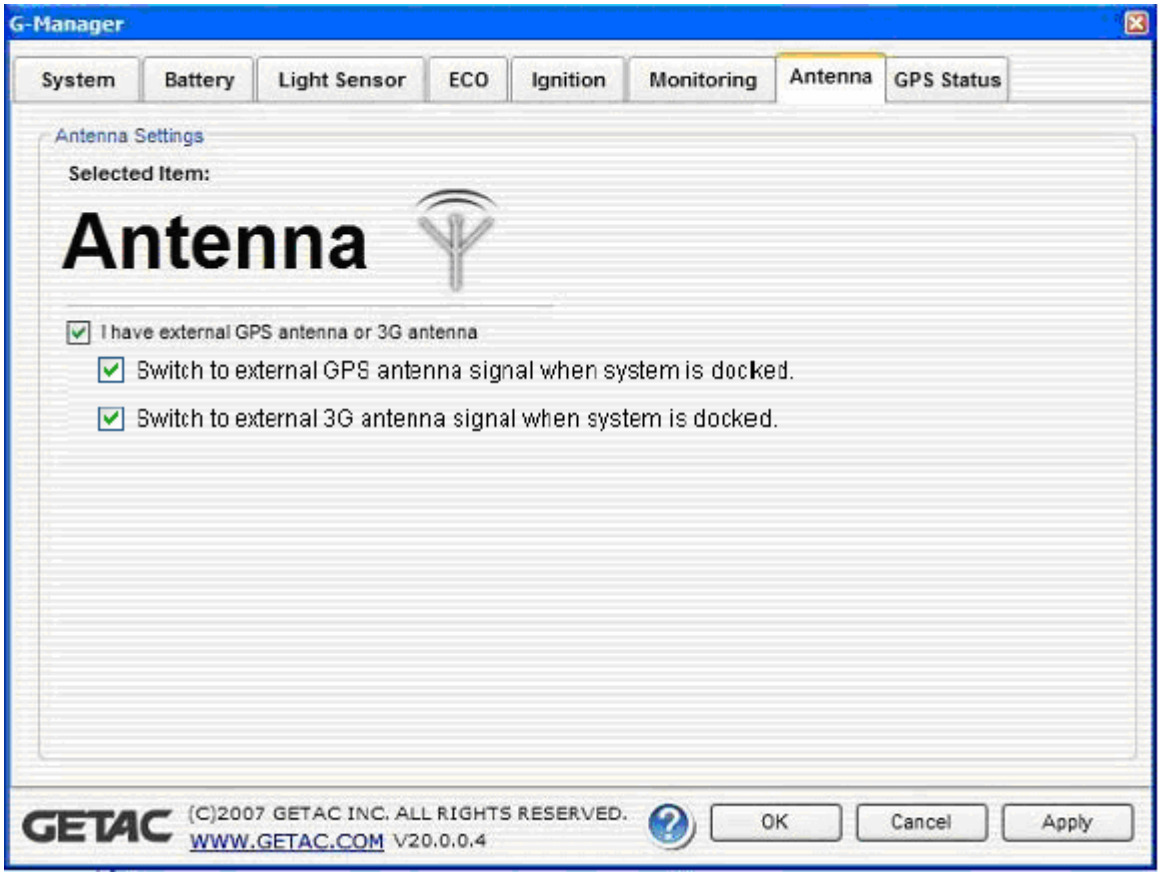
Monitoring Options

The right portion of the Monitoring tab allows you to set how the monitored items are displayed. The changes made to the monitoring options are immediately implemented on the monitoring window.

- Always On Top – allows the monitoring window to remain on top of your display.
- Background Color – select this option to display the color window for selecting the background color. If the checkbox is not selected, the background of the monitoring window is transparent.
- Monitoring Interval – allows you to set the frequency of updates on the monitoring window (1/3/5/10/30 seconds, or 1/5/30 minutes, or 1 hour).
- Transparency – allows you to set the level of transparency of the monitoring window (10 ~ 90 %).

2.9 Antenna Tab

The Antenna tab allows your system to connect to an external GPS or 3G antenna.

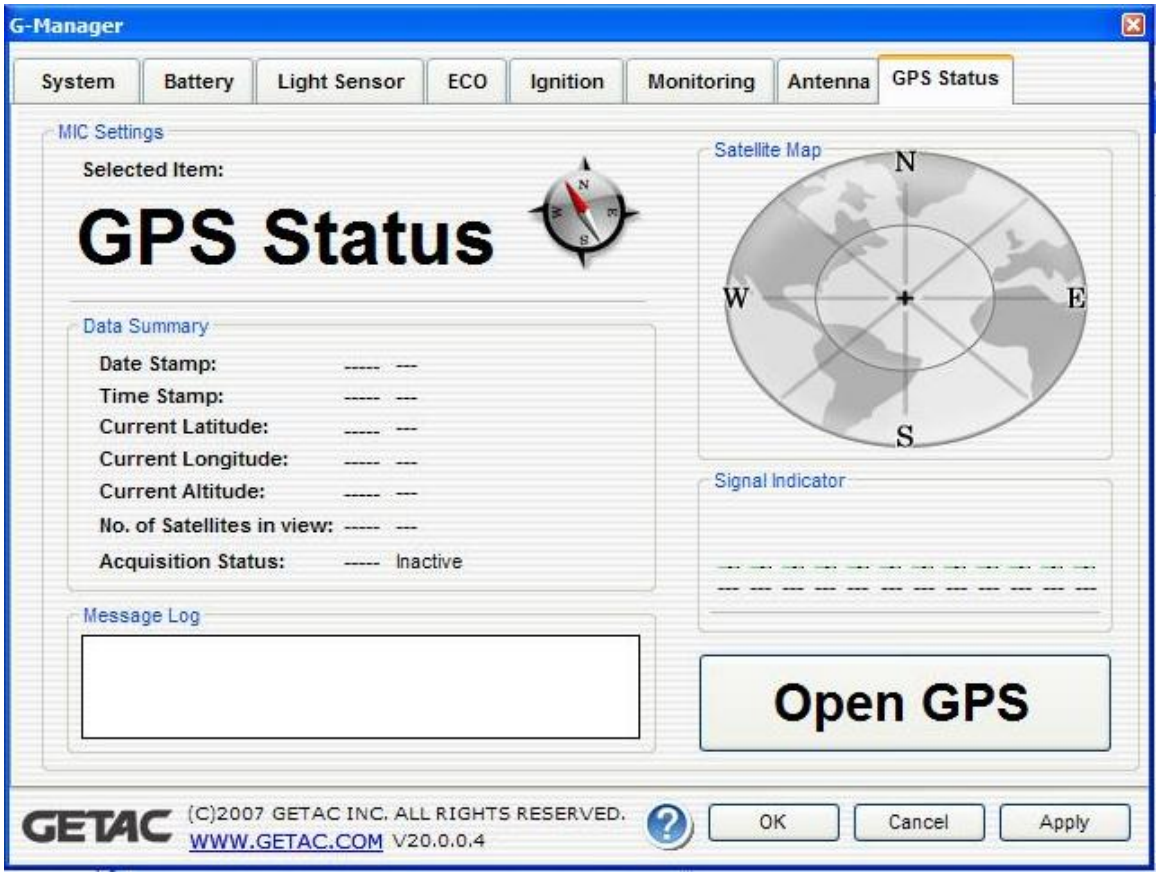


Select the checkbox I have external GPS antenna or 3G antenna to allow your system to connect to an external GPS/3G antenna. When this option is selected, you can choose between the following:

- Switch to external GPS antenna signal when system is docked.
- Switch to external 3G antenna signal when system is docked.

2.10 GPS Status Tab

The GPS Status tab shows the GPS signal availability status of the system's GPS module, allowing you to check if the GPS feature is working properly. You may also need to install a third-party map of your particular location (purchased separately).



Selected Item and Data Summary

The upper left portion of the GPS Status tab shows the various data (Date Stamp, Time Stamp, Current Latitude, Current Longitude, Current Altitude, No. of Satellites in View, and Acquisition Status) collected from satellites and reflect any changes to the data.

Unlike the other items, Acquisition Status only shows whether GPS signal acquisition is successful or not.

Message Log

The lower left portion of the GPS Status tab shows a summary of raw data string received from satellites which can only be viewed but not editable. The Message Log window is auto-scrollable and will be cleared as soon as GPS signal is disconnected.

Satellite Map

The upper right portion of the GPS Status tab shows the satellites discovered and are placed on the satellite map according to their parsed latitude and longitude. Satellites in use are displayed in **yellow** color with their PRN number while satellites in view but not in use are displayed in **blue** color.

Signal Indicator

The lower right portion of the GPS Status tab shows the 12 satellites' signal indicator. The length of the green bar underneath each satellite changes dynamically, the stronger the signal the longer the bar shown. Beneath each signal bar is the PRN number of each discovered satellite ("00" is shown when GPS module is not functioning or satellite was not discovered).

Open/Close GPS

This button allows you to test the GPS module. Upon clicking on Open GPS, the following three conditions may be shown:

- GPS module has successfully connected –
  The button changes from “Opening . . . “ to “Close GPS.” The item Acquisition Status under the Data Summary portion of the GPS Status tab will change from “Inactive” to “Acquiring . . . “ and begin the positioning process. It will then change to “Acquired” when GPS module has successfully been positioned.
- GPS COM port is not available –
  When other GPS program is running, a warning window pops-up and displays the message “GPS COM port not available! Please close all GPS program and try again.” to inform you to close the other GPS program to free up the COM port. After closing the other GPS program, click Open GPS button again to try.
- GPS COM port is somehow not functioning –
  A warning window pops-up and displays the message “Time out opening GPS COM port!” when GPS COM port is not responding after 5 seconds.

Upon clicking on Close GPS, the GPS COM port will be closed and the button will change to show Open GPS. All information under the Satellite Map, Signal Indicator, Message Log, and Data Summary portion of the GPS Status tab is cleared except for the item Acquisition Status which will show “Inactive.”

GPS connection will be automatically closed whenever G Manager is closed.