

GiMATE Installation Process and Driver Recommendations (GIGABYTE Users):

- Visit the GIGABYTE official website: <https://www.gigabyte.com>
- Search for your device model (e.g., GIGABYTE GAMING A16 GA6H)
- Go to the download page and download the corresponding Windows drivers for your model
- Complete the installation of all Windows drivers
- Download and install the GiMATE utility software

GiMATE 安裝流程與驅動程式建議（GIGABYTE 用戶）：

- 前往 GIGABYTE 官方網站：<https://www.gigabyte.com/tw>
- 搜尋你的機型（例如：GIGABYTE GAMING A16 GA6H）
- 進入下載頁面，下載對應機型的 Windows 驅動程式
- 完成所有 Windows 驅動程式的安裝
- 下載並安裝 **GiMATE** 工具程式

GiMATE Quick Start Guide

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Home: A total view of CPU, GPU, RAM currently status. -----01

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Scenario Profile Setting: Profiles chosen, Hardware, Performance, Utility Tools,
Privacy and Customize. -----03

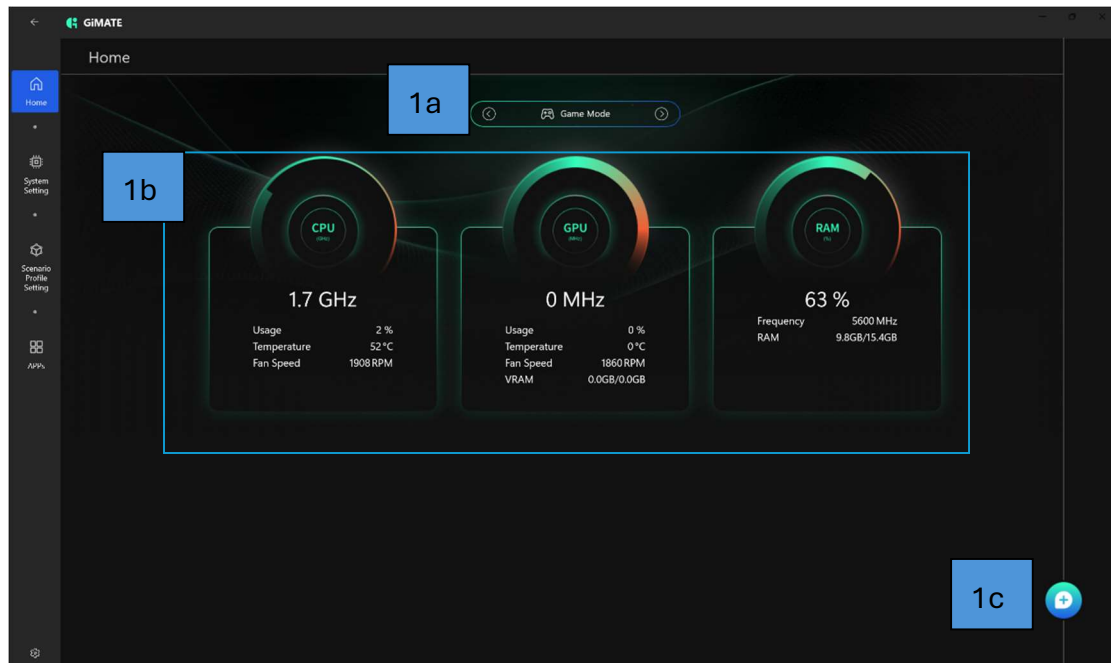
個人情境設置: 模式選擇, 硬體設定, 效能設定, 連線控制, 輔助工具, 個人化, 隱私

APPs: GiMATE Creator, Key Components Related to AI and Essential Picks-----04

應用程式中心: GiMATE Creator, AI 相關軟體

Home: A total view of CPU, GPU, RAM currently status.

Home: 顯示當前的使用模式，反映當下系統運行的狀態



1a: Provides five modes for users to switch: Balanced Mode/Game Mode/Creative Mode/Meeting Mode/Power Saving Mode

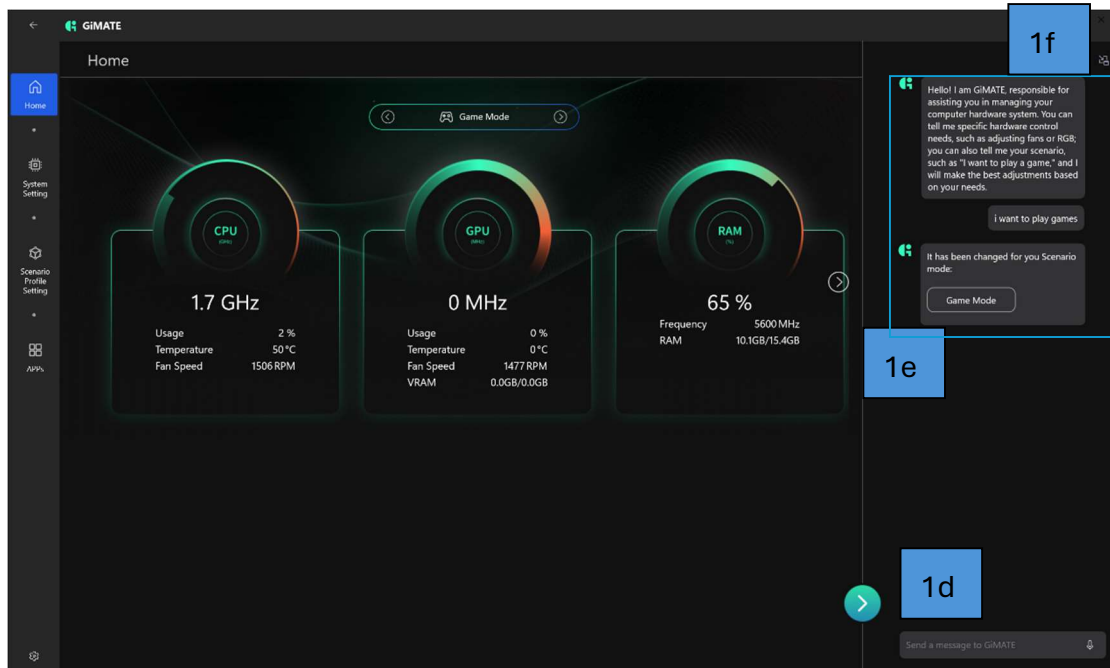
提供五大模式讓使用者切換，平衡模式/遊戲模式/創作模式/會議模式/省電模式

1b: Show the current CPU, GPU, RAM status, information renew by every 3 secs.

顯示當前的使用模式，反映當下系統運行的狀態,更新資訊 3 秒一次

1c: GiMATE chatbot hotkey

GiMATE chatbot 快捷鍵



1d: prompt input area, you can input commands like ‘change the scenario profile to meeting mode’ here, the chatbot will help you to set the meeting mode as new scenarios profiles.

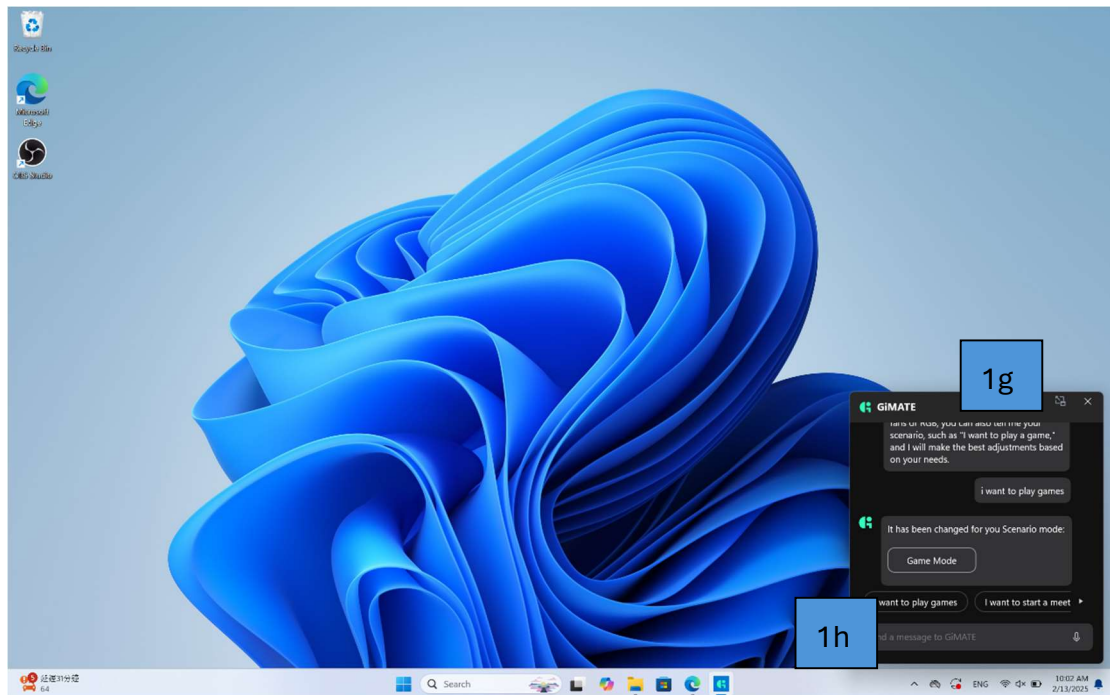
輸入類似“更換成會議模式”的指令，系統將切換到會議模式。

1e: Conversation area, the latest reply from chatbot will be display here.

對話區塊, chatbot 所做會回應會顯示在這裡

1f: chatbot mini browser hotkey

Chatbot 小型視窗快捷鍵



1g: chatbot mini browser hotkey

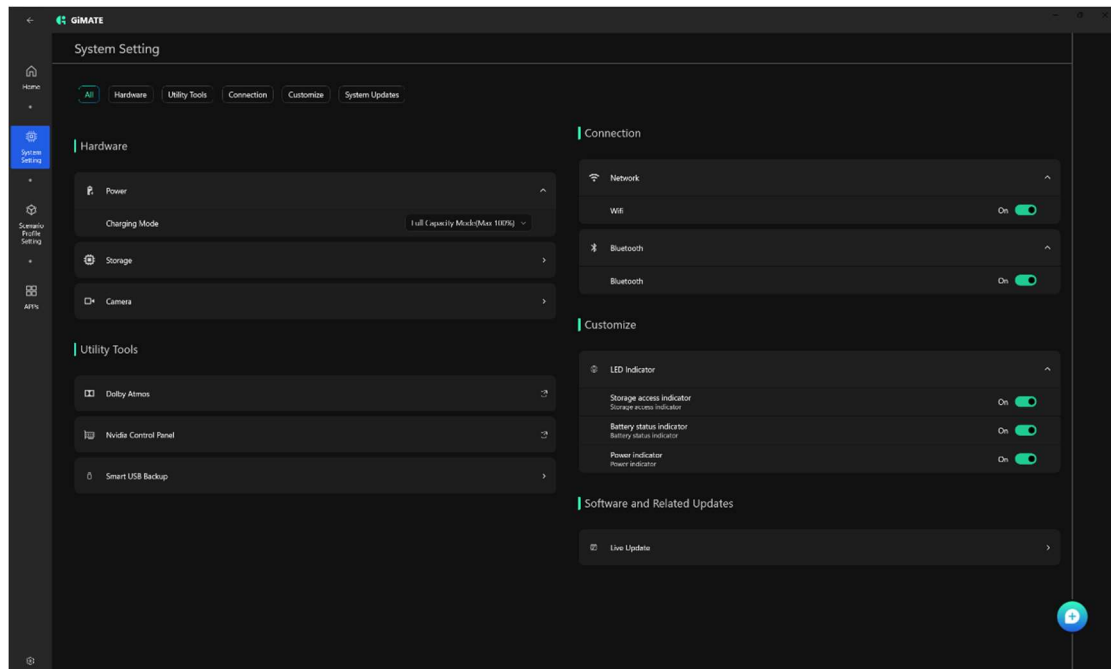
Chatbot 小型視窗快捷鍵

1h: prompt input area, you can input commands like 'change the scenario profile to meeting mode' here, the chatbot will help you to set the meeting mode as new scenarios profiles.

輸入類似“更換成會議模式”的指令，系統將切換到會議模式。

System Setting: Hardware, Connections, Utility Tool, Customize and Updates

System Setting: 硬體, 連線, 工具, 設定與更新



Hardware: Power, Storage, and Camera Settings

硬體設定: 電源, 儲存裝置, 攝影機

Utility Tools: Dolby Atmos, Nvidia Control Panel, and Smart USB Backup

輔助工具: 杜比全景聲, Nvidia 控制面板, 智慧備份(USB)

Connection: Wifi, Bluetooth settings

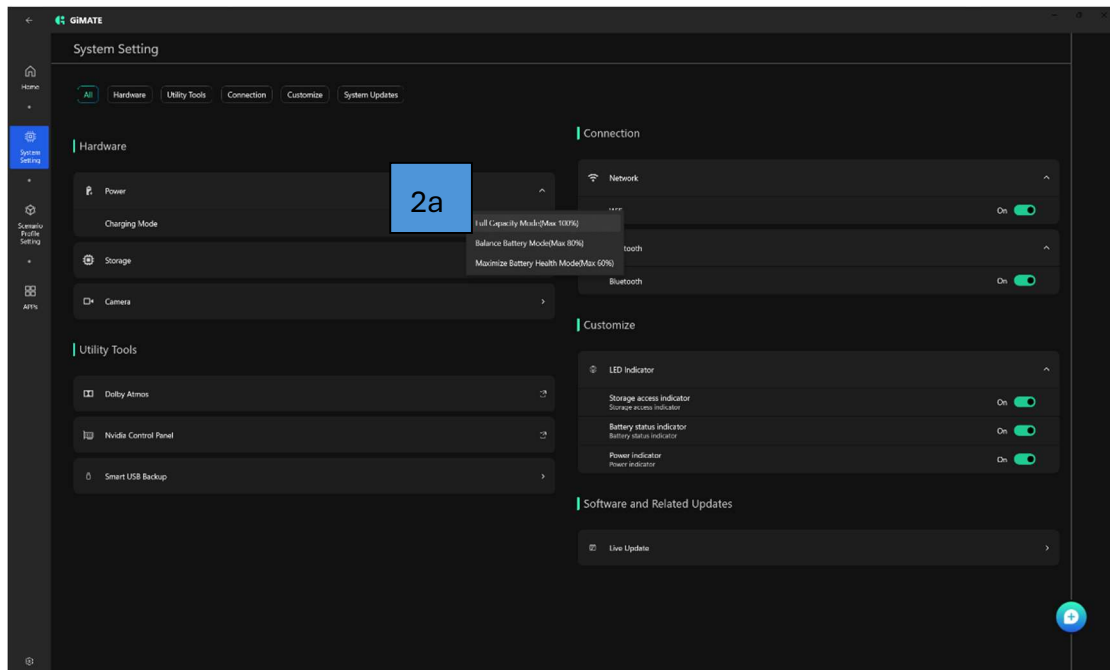
連線控制: 無線網路, 藍牙設定

Customize: Storage access indicator, Battery status indicator, Power indicator

個人化: 磁碟機 LED 指示燈, 電池指示燈, 電源指示燈

Software and Related Updates: Live Updates

軟體及相關更新: 更新中心



2a: Charging Mode:

Full Capacity Mode(Max 100%), the charger will fully charge your battery to maximum to ensure the battery discharge time is maximum, but it will impact battery healthy,

Balance Battery Mode(Max 80%), the charger will stop charge when your battery level is 80%, it's a balance mode to battery healthy and discharge time, it's a recommended settings.

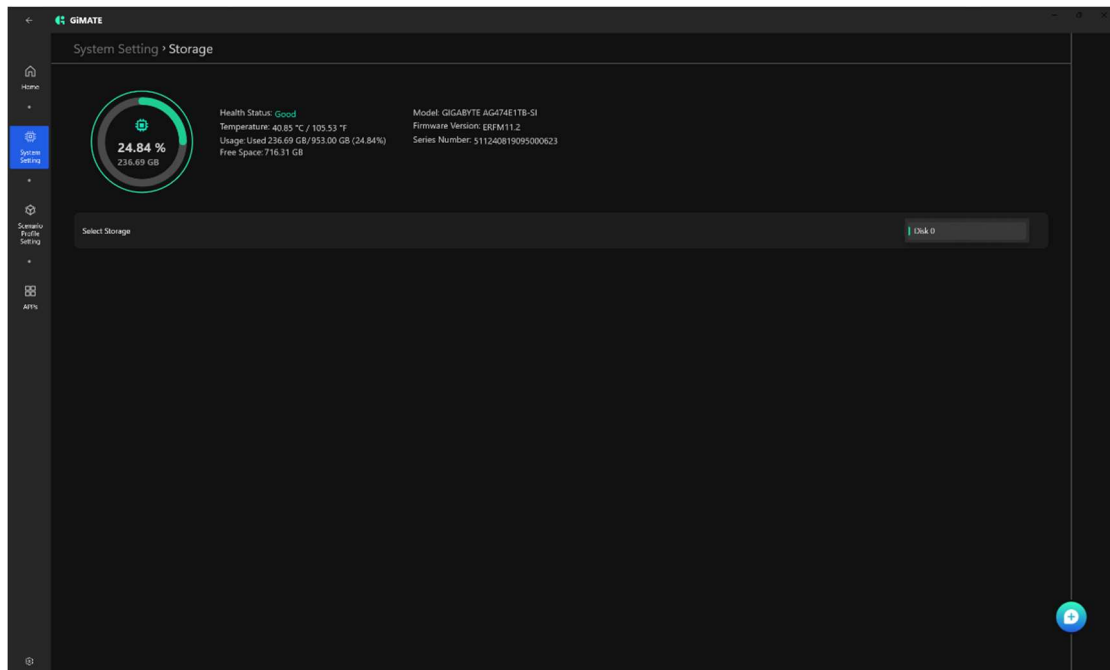
Maximize Battery Health Mode(Max 60%), the charger will stop charge when the battery level is 60%, it's a best battery level to the battery healthy.

充電模式:

長效模式 (上限 100%)，充電器將最大限度地為你的電池充電，以確保電池放電時間最大化，但這會影響電池的健康，

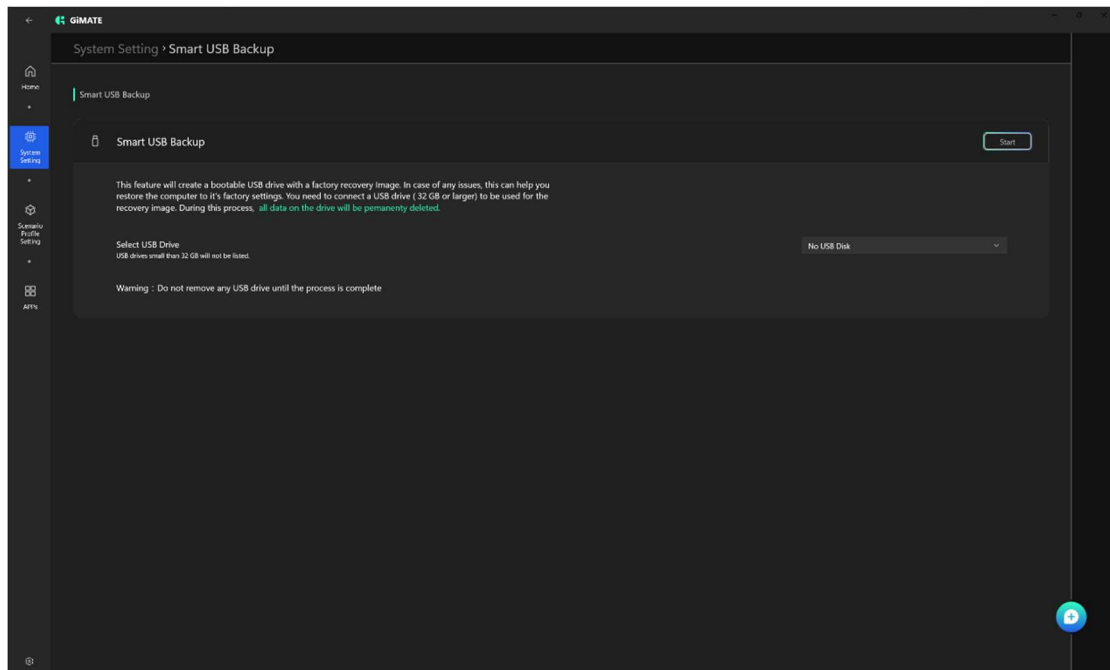
平衡電池模式（最大 80%），當電池電量為 80% 時，充電器將停止充電，這是一種平衡模式，可確保電池健康和電池放電時間，是建議的設定。

最大化電池健康模式（最大 60%），當電池電量為 60% 時，充電器將停止充電，這是保持電池健康的最佳電池電量。



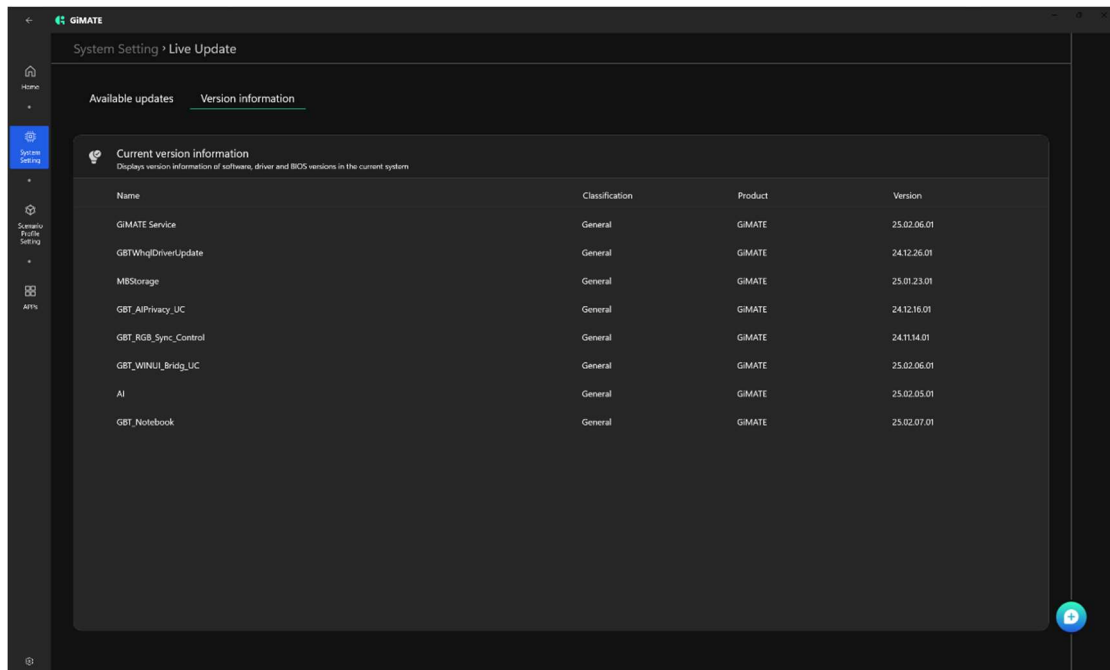
Storage: it will bring your storage information, like Health Status, free space, firmware version

Storage: 儲存訊息，如健康狀態、可用空間、韌體版本



Smart USB Backup: This will create a bootable USB drive with a factory recovery image. In case of any issues, this can help you restore the computer to its factory settings. You need to connect a USB drive(32GB or larger) to be used for the recovery image. *All data on the drive will be permanently deleted.

Smart USB Backup: 這將建立一個具有出廠恢復映像的可啟動 USB 驅動器。如果出現任何問題，這可以幫助您將電腦恢復到原廠設定。您需要連接一個 USB 隨身碟（32GB 或更大）來恢復映像。*磁碟機上的所有資料將永久刪除。

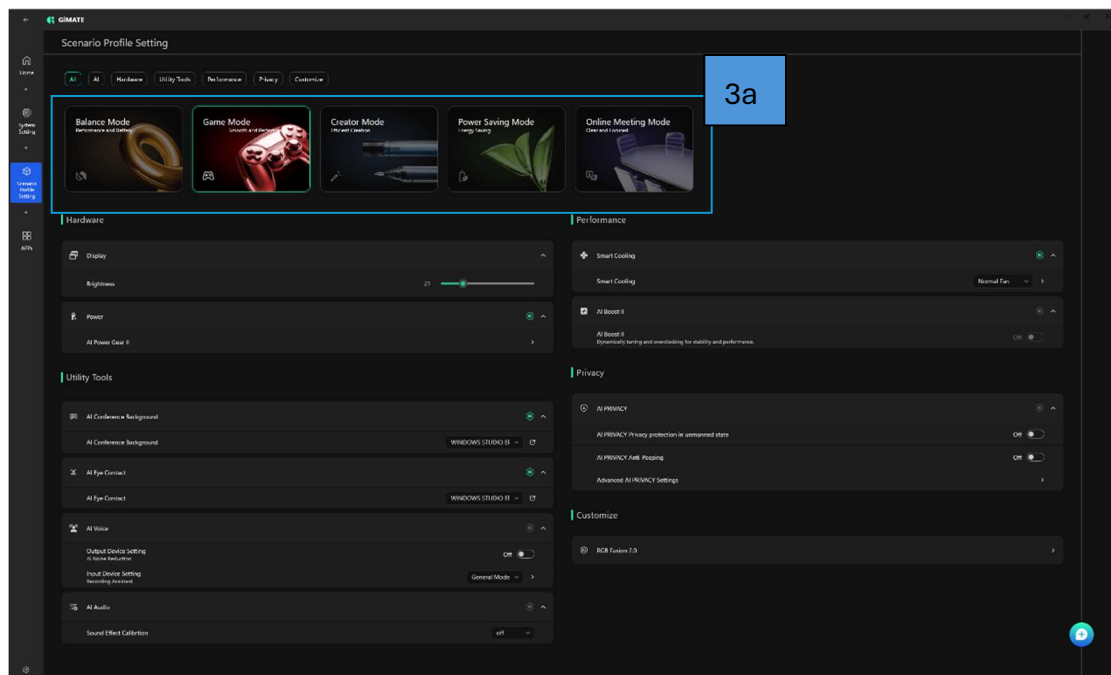


Live Update: you can find all of necessary drivers here, it will detect which drivers has been installed and check the latest driver and app in the GIGABYTE server.

軟體相關更新: 您可以在這裡找到所有必要的驅動程序，它將檢測已安裝的驅動程式並檢查 GIGABYTE 伺服器中的最新驅動程式和應用程式。

Scenario Profile Setting: Profiles chosen, Hardware, Performance, Utility Tools, Privacy and Customize.

個人情境設置: 模式選擇, 硬體設定, 效能設定, 連線控制, 輔助工具, 個人化, 隱私



3a: Scenario Profile Setting: There are 5 scenarios here, you can choose Balance, Game, Creator, Power saving and online meeting mode here.

Balance Mode: Dynamically balances performance and efficiency, adjusting settings to provide the optimal experience for the user's needs.

Game Mode: Dynamically monitoring game workloads and automatically adjust CPU and GPU resources to achieve the best gaming performance.

Creator Mode: Prioritizes the applications needs, automatically tuning itself to the optimal state for the current task.

Power Saving Mode: Prioritizes extending battery life by lowering performance settings to achieve the best possible battery endurance.

Online Meeting Mode: Focus resource allocation on audio recording quality and video transmission, while appropriately reducing load on other system functions to provide a quiet environment.

場景設定檔設定: 這裡有 5 個場景, 您可以在這裡選擇平衡, 遊戲, 創作者, 省電和線上會議模式。

平衡模式：動態平衡效能和效率，調整設定以根據使用者的需求提供最佳體驗。

遊戲模式：動態監控遊戲工作負載並自動調整 CPU 和 GPU 資源以達到最佳遊戲效能。

創作模式：優先考慮應用程式的需求，自動調整至適合當前任務的最佳狀態。

省電模式：透過降低性能設定來優先延長電池壽命，以實現最佳的電池續航力。

線上會議模式：著重錄音品質和視訊傳輸，適當減少其他系統功能的負載，提供安靜的環境。

Hardware:

硬體設定:

Display Brightness: you can setup up the display brightness here, the level is between 0-100

顯示亮度：您可以在此處設定顯示亮度，等級在 0-100 之間

Performance:

效能設定:

Smart Cooling: you can choose the default fan profile here, there are Performance, Silent, Normal and Turbo fan mode here.

智慧冷卻：您可以在此處選擇預設風扇配置文件，這裡有效能、極靜音、一般和全速模式。

AI boost II:

Dynamically tuning and overclocking CPU and GPU for stability and performance.

動態調整和超頻 CPU 和 GPU 以實現穩定性和效能。

Utility Tools:

輔助工具:

AI Conference Background: you can choose which AI conference background applications as default settings, now we only provide WINDOWS STUDIO EFFECTS as default settings.

AI 會議背景模糊：您可以選擇使用哪些 AI 會議背景應用程式作為預設設置，目前我們僅提供 WINDOWS STUDIO EFFECTS 作為預設設定。

AI Eye Contact: you can choose which AI eye contact applications as default

settings, now we only provide WINDOWS STUDIO EFFECTS as default settings.

AI 瞳孔對焦: 您可以選擇使用哪些 AI 瞳孔對焦應用程式作為預設設置，目前我們僅提供 WINDOWS STUDIO EFFECTS 作為預設設定。

AI VOICE:

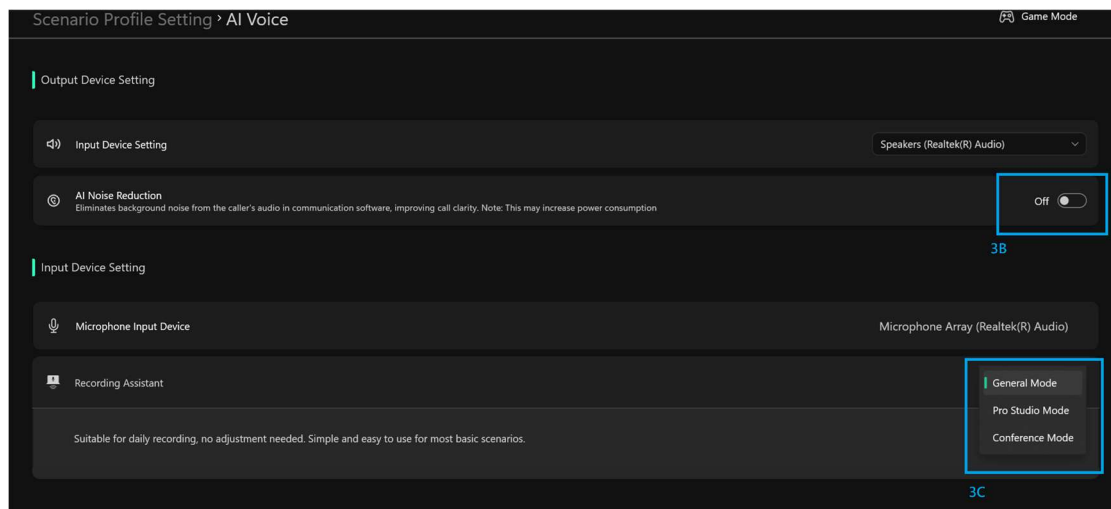


Output Device Setting(AI Noise Reduction): You can choose speakers or headphone's noise reduction on or off here.

輸出裝置設定(AI 降噪): 您可以在此處選擇開啟或關閉揚聲器或耳機降噪。

Input Device Setting (Recording Assistant): You can choose internal microphone or external microphone recording qualify profile here, we have 3 modes, General, Pro Studio and Conference, you can choose which one when you need.

輸入裝置設定(收音輔助): 您可以在這裡選擇內建麥克風或外置麥克風錄音品質配置文件，我們有 3 種模式，一般模式、專業級錄音模式和會議模式，您可以根據需要選擇其中一種。



3B: AI Noise Reduction AI 降噪

Eliminates background noise from the caller's audio in communication software, improving call clarity. Because it will increase power consumption so you can turn on or off right here.

消除通訊軟體中對方音訊的背景噪音，提高通話清晰度。因為它會增加功耗，

所以您可以在此處打開或關閉。

3C: Input Device Setting\Microphone Input Device\Recording Assistant

輸入裝置設定\麥克風輸入裝置\收音輔助

There are 3 scenarios mode here, no manual adjustment need, simple and easy to use.

General Mode: It's a default mode, you can use the settings if you don't know which one is good.

Pro Studio Mode: You can feel the microphone effect is deeper and clearer. If you would like to record Podcast, it would be a good idea to pick it up.

Conference Mode: The microphone effect will filter unnecessary noise to make sure the voice is clear in the VOIP meeting like Teams or Zoom apps.

這裡有 3 種場景模式，無需手動調整，簡單易用。

一般模式：這是預設模式，如果你不知道哪種模式合適，可以使用設定。

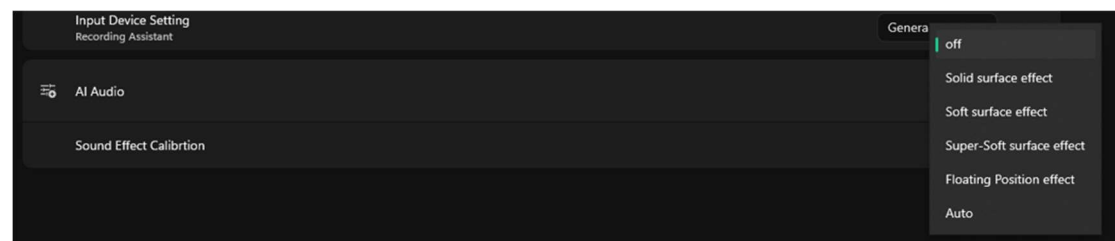
專業級錄音模式：您可以感受到麥克風效果更深、更清晰。如果您想錄製播客，那麼選擇它將是一個好主意。

會議模式：麥克風效果將過濾不必要的噪音，以確保在 Teams 或 Zoom 應用程式等 VOIP 會議中的聲音清晰。

AI Audio:

It is an audio optimization setting for various-surface desks that reduces unwanted sound reflections and resonance.

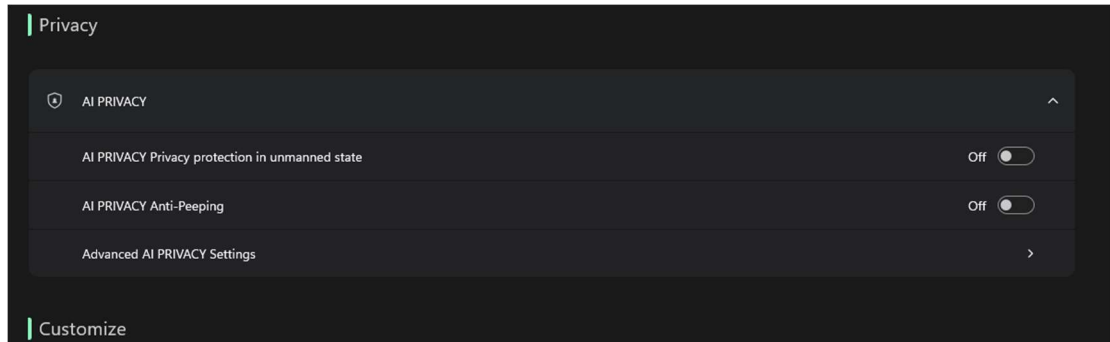
它是針對各種表面桌子的音頻優化設置，可減少不必要的聲音反射和共振。



Sound Effect Calibration: we know the sound experience might be different when you put the laptop in different desk, our sound engineer provide 4 types of sound effect, like solid, soft, super-soft, and Floating position effects, the most special effects is Auto, the effect will be influenced by AI, choose right effects when you use it.

聲效校準: 我們知道當您將筆記型電腦放在不同的桌子上時，聲音體驗可能會有不同，我們的音響工程師提供 4 種類型的音效，如硬材質桌面效果、軟材質桌面效果、超軟材質桌面效果和懸空效果，最特殊的效果是自動，效果會受到 AI 的影響，自動選擇最佳的效果。

AI PRIVACY:

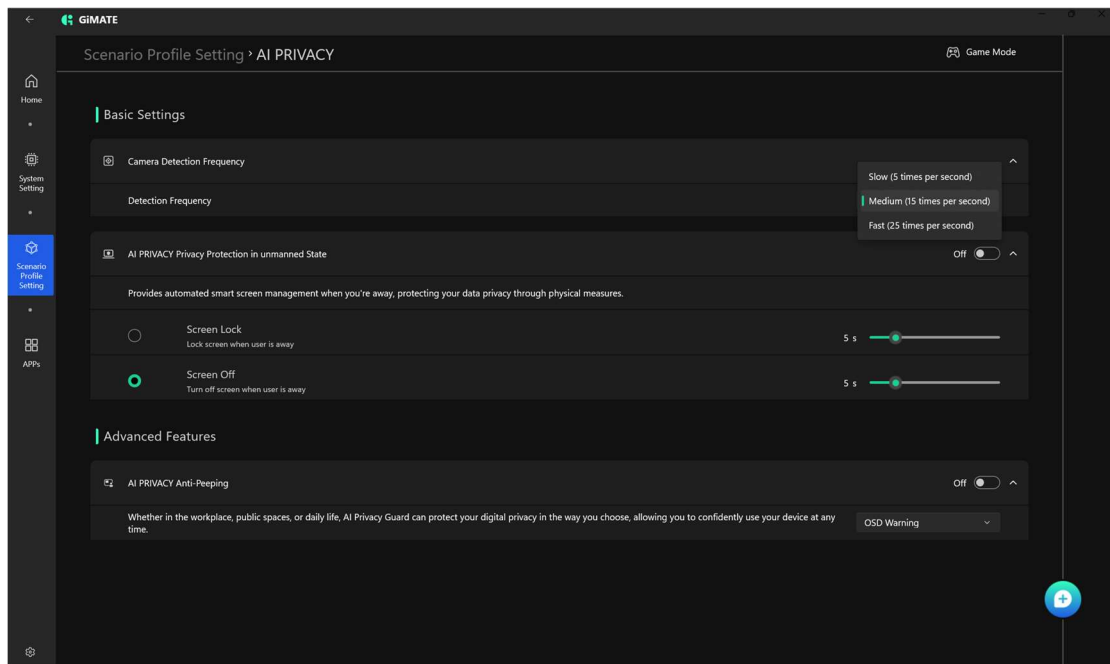


AI PRIVACY- Privacy protection in unmanned state: you can choose on or off here. If you are not shown in the camera detection area, the protection will help you turn off the screen or lock the screen after a few seconds, you can setup 0-30 seconds in the Advanced AI PRIVACY Settings.

AI PRIVACY 無人狀態隱私保護: 您可以在這裡選擇開啟或關閉。如果您沒有出現在攝影機偵測區域內，保護功能將幫助您在幾秒鐘後關閉螢幕或鎖定螢幕，您可以在進階 AI PRIVACY 設定中設定 0-30 秒。

AI PRIVACY-Anti-Peeping: You can choose on or off here, Anti-Peeping will use camera to detect someone is unrecognized, it will turn off screen, lock screen, or show OSD warning when someone is unrecognized in the camera detection area. You can choose the detail behavior in the Advanced AI PRIVACY Settings.

AI PRIVACY 防窺: 您可以在這裡選擇打開或關閉，防偷窺將使用攝影機檢測未被識別的人，當攝影機偵測區域中未被識別的人時，它將關閉螢幕、鎖定螢幕或顯示 OSD 警告。您可以在進階 AI PRIVACY 設定中選擇詳細行為。



Detection Frequency:

Slow (5 times per second): May cause malfunctions in complex environments but is more energy-efficient.

Medium (15 times per second): The best setting in the lab, providing a standard experience

Fast (25 times per second): Best image recognition rate, suitable for complex environments, but more power-consuming

鏡頭偵測頻率:

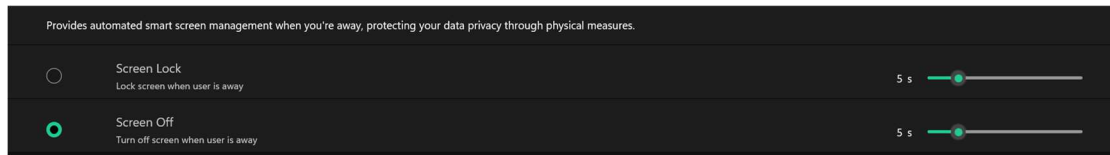
慢（每秒 5 次）：在複雜環境下可能導致故障，但更節能。

中（每秒 15 次）：實驗室中的最佳設置，提供標準體驗

快（每秒 25 次）：最佳影像辨識率，適合複雜環境，但較耗電

AI PRIVACY- Privacy protection in unmanned state: you can choose on or off here. If you have no show in the camera detection area, the protection will help you turn off the screen or lock the screen after few seconds, you can setup 0-30 seconds.

AI PRIVACY 無人狀態隱私保護: 您可以在這裡選擇開啟或關閉。如果您沒有出現在攝影機偵測區域內，保護功能將幫助您在幾秒鐘後關閉螢幕或鎖定螢幕，您可以設定 0-30 秒。

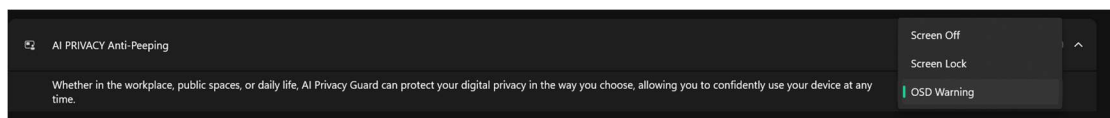


Screen Lock: you can preset default AI PRIVACY- Privacy protection in unmanned state behavior to Screen Lock right here, the scroll bar is help you to setup how many seconds(0 s-30 s) will activate the Screen Lock while the AI detect the face.

Screen Off: you can preset default AI PRIVACY- Privacy protection in unmanned state behavior to Screen Off right here, the scroll bar is help you to setup how many seconds(0 s-30 s) will activate the Screen Off while the AI detect the face.

螢幕鎖定：您可以在此處預設預設的 AI PRIVACY 無人狀態隱私保護下的隱私保護行為到螢幕鎖定，捲軸可協助您設定 AI 偵測臉部時多少秒（0 秒-30 秒）將啟動螢幕鎖定。

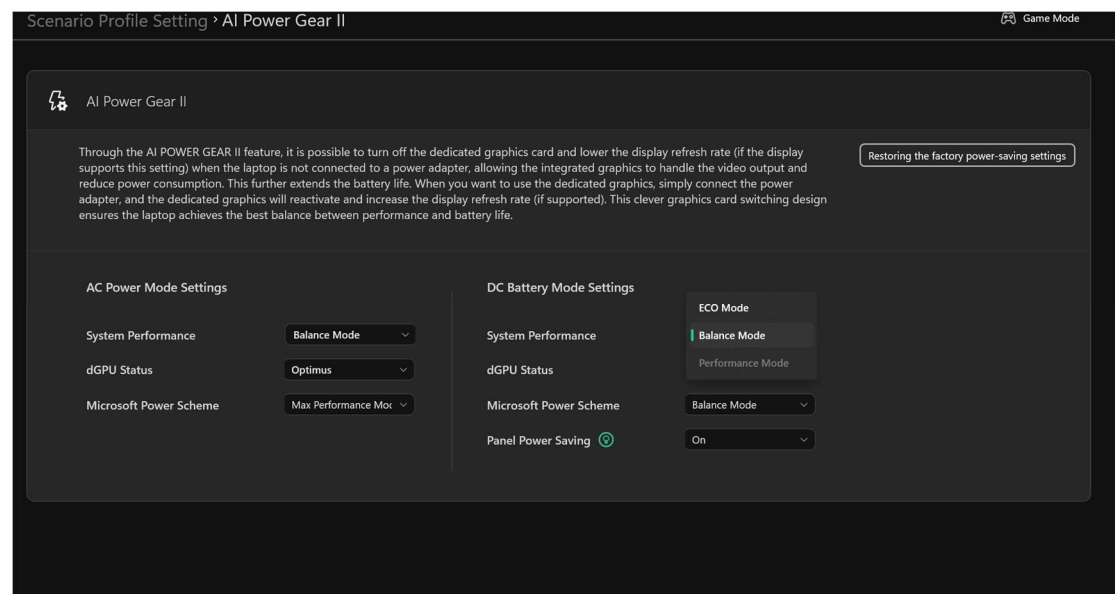
螢幕關閉：您可以在此處預設預設的 AI PRIVACY 無人狀態隱私保護下的隱私保護行為以關閉螢幕，滾動條可幫助您設定 AI 檢測臉部時多少秒（0 秒-30 秒）將啟動關閉螢幕。



AI PRIVACY-Anti-Peeping: You can choose on or off here, Anti-Peeping will use camera to detect someone is unrecognized, it will turn off screen, lock screen, or show OSD warning when someone is unrecognized in the camera detection area.

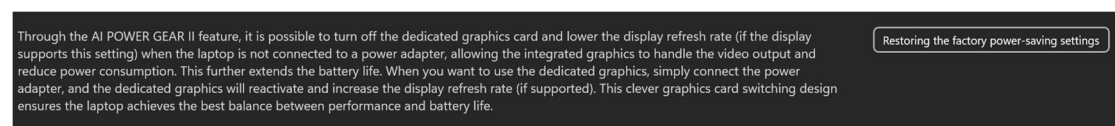
AI PRIVACY 防窺: 您可以在這裡選擇打開或關閉，防偷窺將使用攝影機檢測未被識別的人，當攝影機偵測區域中未被識別的人時，它將關閉螢幕、鎖定螢幕或顯示 OSD 警告。

AI Power Gear II



AI Power Gear II is a technology to turn off the dedicated graphics card and lower the display refresh rate(if the display support the settings) when the laptop is not connected to a power adapter, allowing the integrated graphics to handle the video output and reduce power consumption, this further extends the battery life, when you want to use the dedicated graphics, simply connect the power adapter, and the dedicated graphics will reactivate and increase the display refresh rate(if supported). This clever graphics card switching design ensures the laptop achieves the best balance between performance and battery life.

AI Power Gear II 是一種在筆記型電腦未連接電源供應器時關閉獨立顯示卡並降低螢幕顯示更新率（如果顯示器支援設定）的技術，從而允許內建顯示卡處理視訊輸出並降低功耗，這進一步延長了電池壽命，當您想要使用獨立顯示卡時，只需連接電源供應器，獨立顯示卡就會重新啟動並增加螢幕顯示更新率（如果支援）。這款獨家的顯示卡切換設計可確保筆記型電腦在效能和電池壽命之間達到最佳平衡。

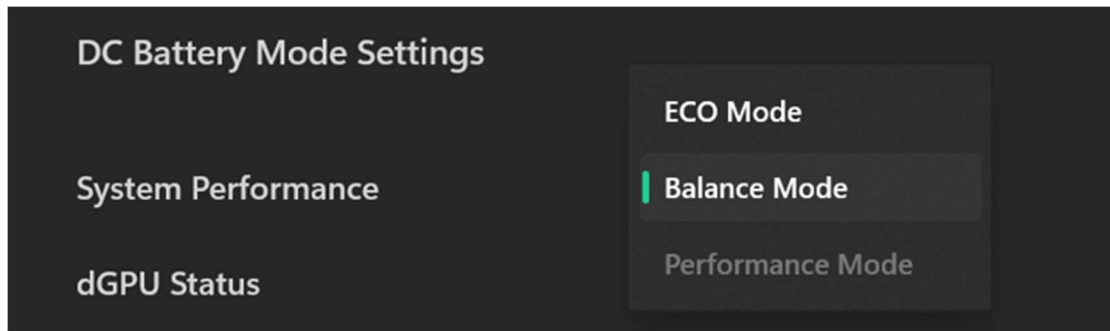


Restoring the factory power-saving settings: the button will help you to recall factory default settings in the AI Power Gear II

回復原廠省電設定: 此按鈕將幫助您恢復 AI Power Gear II 中的出廠預設設置

System Performance:

系統總效能



ECO Mode: It will limit CPU and GPU power consumption and limit the fan speed.

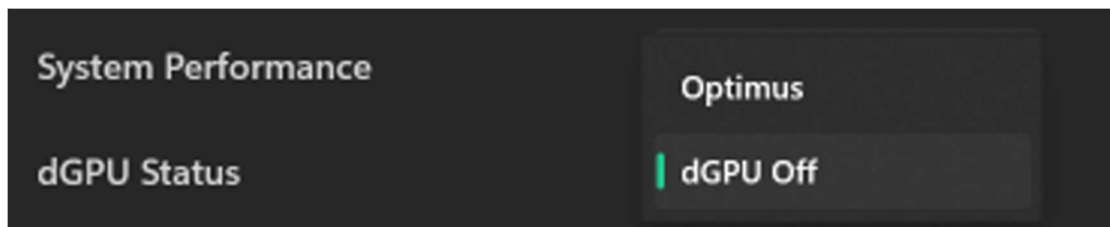
Balance Mode: It will make CPU and GPU power consumption and fan speed as default settings, it will be good choice for daily use.

Performance Mode: it will unlock CPU and GPU power consumption and fan speed

省電模式：它將限制 CPU 和 GPU 的功耗並限制風扇速度。

平衡模式：它將使 CPU 和 GPU 的功耗和風扇轉速保持預設設置，對於日常使用來說是個不錯的選擇。

效能模式：將解鎖 CPU 和 GPU 的功耗和風扇速度



dGPU Status:

獨立顯示卡選項:

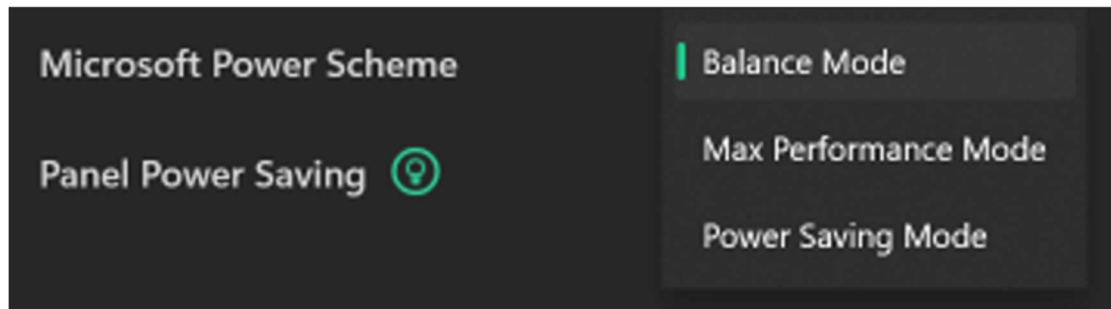
There are 2 settings in the dGPU Status, Optimus means discrete GPU exist in the os, and ready to use when application needs that. It ensures the GPU performance is best but not good for battery life. dGPU Off means discrete GPU won't exist in the OS, there is only integrated GPU for applications, the graphic performance is not good, but it's very good for battery life.

獨立顯示卡選項中有 2 個設置，自動切換 Optimus 表示作業系統中存在獨立 GPU，當應用程式需要時可以隨時使用。它確保 GPU 性能最佳，但不利於電池壽命。關閉獨立顯示卡意味著作業系統中將不存在獨立 GPU，只有整合 GPU 供

應用程式使用，圖形效能不佳，但對電池壽命非常有益。

Microsoft Power Scheme:

微軟電源模式:

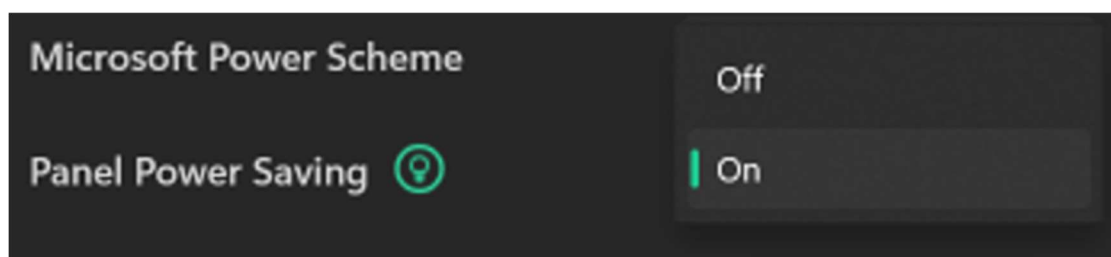


There are 3 Mode in the system performance settings, Balance Mode, Max Performance Mode, and Power Saving Mode all of these settings are the same like system performance settings in the windows os, it will tune CPU, display brightness, and system notification message to make sure the performance is just right there.

系統效能設定中有 3 種模式，平衡、最佳效能和最佳電源效率，所有這些設定與 Windows 作業系統中的系統效能設定相同，它將調整 CPU、顯示亮度和系統通知訊息以確保效能恰到好處。

Panel Power Saving:

螢幕省電:



Panel Power Saving reduces the display's refresh rate to lower power usage, thereby extending battery life.

面板省電功能可降低顯示器的更新率，以降低功耗，進而延長電池壽命。



RGB Fusion 2.0

4a: You can pick up which area you want to setup RGB light effect, like A cover with logo, keyboard effect, cooling vent light or bottom side RGB light effect, you can check “Sync All” option, it will sync all of the system RGB light in one settings.

4a: 您可以選擇要設定 RGB 燈光效果的區域，例如上蓋、鍵盤效果、冷卻通風口的燈或底部 RGB 燈光效果，您可以選取「全部同步」選項，它將在一個設定中同步所有系統 RGB 燈。

4b: you can Reset, set Default settings or apply RGB LED effect.

4b: 您可以重置、預設設定或套用 RGB 燈光效果。

4c: There are few default RGB light effect here, like Static, Pulse, Rainbow Wave, Rainbow Pulse, Reactive, Marquee, Ripple and Cycle effect here.

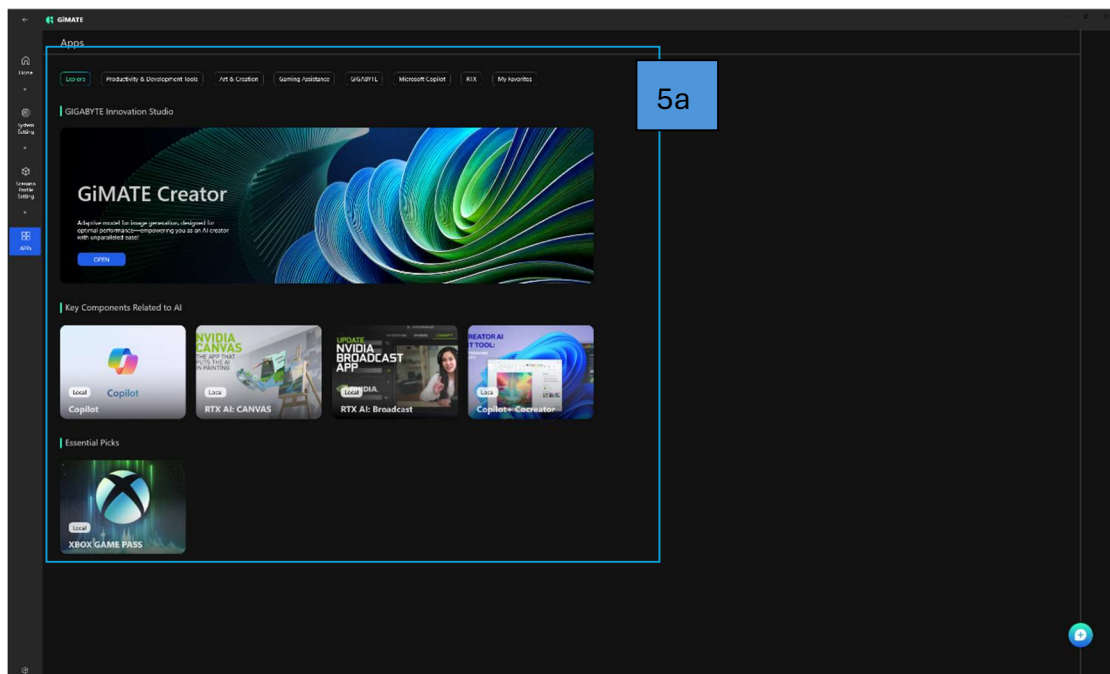
4c: 這裡有一些預設的 RGB 燈光效果，例如單色恆亮、呼吸、多色循環效果。

4d: you can choose which RGB control technology is used; you can use Microsoft Dynamic Lighting as your major RGB light control protocol or use RGB Fusion 2.0 as default RGB light control protocol.

4d: 您可以選擇使用哪種 RGB 控制技術；您可以使用 Microsoft Dynamic Lighting 作為主要的 RGB 燈控制協議，或使用 RGB Fusion 2.0 作為預設 RGB 燈控制方式。

APPs: GiMATE Creator, Key Components Related to AI and Essential Picks.

應用程式中心: GiMATE Creator, AI 相關軟體



There are 3 major segments in the APPs, GIGABYTE Innovation Studio, Key Components Related to AI and Essential Picks, all of these apps are promoted and verified by our engineering team.

這裡有 3 個主要部分，技嘉自創研發工作坊，與 AI 相關的應用和必備精選，所有這些應用程式都是由我們的工程團隊驗證過的。