



# GRAPHICS CARD

## USER MANUAL

## PRODUCT CERTIFICATION STATEMENTS

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

**FCC Notice:** 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 manufacturer's 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 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.
- Plug the computer into a different outlet so that the two devices are on different branch circuits.
- If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions.

**Warning:** Shielded interface cables must be used in order to comply with emission limits.

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

**CSA Notice:** 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.

**CE Notice:** This electronic device is designed for home and office use only, and it has been tested and certified to fully comply with CE standards set forth by the European Community.

Welcome to be part of Palit Family. With Palit Graphics Card, you can begin to enjoy and build up the ultimate gaming experience.

### Graphics Card Driver

Please find the official driver at Download Service page, Palit website. You will be able to get the latest driver for your graphics card.

<http://www.palit.com/download>

### ThunderMaster Utility

ThunderMaster Utility allows you to monitor and manage Palit graphics card. It is also the OC tool that fully utilizes NVIDIA GPU Boost technology for intelligent monitoring of clock speed, ensuring that the GPU runs safely at its peak and the game is at its highest frame rate. It also offers new levels of customization, including GPU Temperature Target and Frame Rate Target control.

<http://www.palit.com/TM>

FOR MORE DETAIL INFORMATION, PLEASE VISIT PALIT WEBSITE.

**Website**

[www.palit.com](http://www.palit.com)

**Instagram**

[palit\\_global](https://www.instagram.com/palit_global)

**VK**

[vk.com/palit\\_russia](https://vk.com/palit_russia)

**Facebook**

[palit](https://www.facebook.com/palit)

**YouTube**

[PalitMedia](https://www.youtube.com/PalitMedia)

**Support line**

[support@palit.com](mailto:support@palit.com)



## FRENCH

Bienvenue au sein de la famille Palit. Avec la carte graphique Palit, vous pouvez commencer à apprécier et construire une expérience de jeu exceptionnelle.

### Pilote de carte graphique

Vous trouverez le pilote officiel sur la page de téléchargement du site web de Palit. Vous pourrez obtenir le dernier pilote pour votre carte graphique.

<http://www.palit.com/download>

### Utilitaire ThunderMaster

L'utilitaire ThunderMaster vous permet de surveiller et de gérer la carte graphique Palit. C'est aussi l'outil OC qui utilise pleinement la technologie NVIDIA GPU Boost pour une surveillance intelligente de la vitesse d'horloge, assurant que le GPU fonctionne en toute sécurité à son maximum et que le jeu affiche sa fréquence d'images la plus élevée. Il offre également de nouveaux niveaux de personnalisation, notamment le contrôle de la température cible du GPU et de la fréquence d'images cible.

<http://www.palit.com/TM>

## GERMAN

Willkommen in der Palit Familie. Mit einer Palit Grafikkarte können Sie das ultimative Spielerlebnis genießen und aufbauen.

### Grafikkartentreiber

Den offiziellen Treiber finden Sie auf der Download Service Seite auf der Palit Webseite. Sie können den neuesten Treiber für Ihre Grafikkarte erhalten.

<http://www.palit.com/download>

### ThunderMaster Dienstprogramm

Mit dem ThunderMaster Dienstprogramm können Sie die Palit Grafikkarte überwachen und verwalten. Es ist ebenfalls ein Übertaktungswerkzeug, welches die NVIDIA GPU Boost Technologie vollständig unterstützt, um die Taktgeschwindigkeit intelligent zu überwachen und sicherzustellen, dass die GPU sicher mit Spitzenleistung und das Spiel mit der höchsten Bildrate läuft. Es bietet auch neue Wege der Anpassung, darunter Steuerung der GPU Temperatur Vorgabe und Bildratenvorgabe.

<http://www.palit.com/TM>

**ITALIAN**

Benvenuto nella famiglia Palit. Con la scheda grafica Palit, puoi finalmente costruire e goderti una grandiosa esperienza di gioco.

### **Driver Scheda Grafica**

Trovi il driver ufficiale nella pagina dei download del sito di Palit. Lì potrai scaricare il driver più recente per la tua scheda grafica.

[\*\*http://www.palit.com/download\*\*](http://www.palit.com/download)

### **Utility ThunderMaster**

Utility ThunderMaster ti permette di controllare e gestire la scheda grafica Palit. È anche lo strumento di OC che sfrutta al massimo la tecnologia NVIDIA GPU Boost per controllare in modo intelligente la velocità di clock, e garantisce che il GPU funzioni in sicurezza e al massimo delle sue prestazioni, e che il gioco si svolga con il massimo numero di fotogrammi al secondo. Offre anche nuovi livelli di personalizzazione, compreso l'obiettivo di temperatura per il GPU e il controllo dell'obiettivo per i fotogrammi al secondo.

[\*\*http://www.palit.com/TM\*\*](http://www.palit.com/TM)

**JAPANESE** Palit ファミリーへようこそ。Palit のグラフィックスカードを使用することで、究極のゲーミング体験を楽しみ、構築できるようになります。

### グラフィックスカードのドライバー

Palit ウェブサイトのダウンロードサービスページにて、公式ドライバーを検索できます。お使いのグラフィックスカードの最新ドライバーを入手できます。

<http://www.palit.com/download>

### ThunderMaster ユーティリティ

ThunderMaster ユーティリティを使用することにより、Palit グラフィックスカードを監視し、管理できます。NVIDIA の GPU ブースト技術を十分に活かしてクロックスピードのモニタリングをインテリジェントに行う OC ツールでもあるため、ピーク時でも GPU が問題なく機能し、ゲーム操作が最高のフレームレートで行われるようになります。GPU の目標温度、フレームレートターゲット制御、ロック解除電圧など、新たなカスタマイズレベルもご用意しています。

<http://www.palit.com/TM>

**POLISH**

Witamy w rodzinie Palit. Dzięki karcie graficznej Palit możesz zacząć cieszyć się najdoskonalszymi wrażeniami, budując nowe doświadczenia w świecie gamingu.

### **Sterownik karty graficznej**

Oficjalny sterownik znajduje się w części z plikami do pobrania strony internetowej Palit. Można tam pobrać najnowszą wersję sterownika do posiadanej karty graficznej.

[\*\*http://www.palit.com/download\*\*](http://www.palit.com/download)

### **Narzędzie ThunderMaster**

Narzędzie ThunderMaster umożliwia monitorowanie karty graficznej Palit i zarządzanie nią. Jest to również narzędzie OC, które w pełni wykorzystuje technologię NVIDIA GPU Boost do inteligentnego monitorowania prędkości zegara, zapewniając, że GPU działa bezpiecznie w szczytowych punktach wydajności, a gra wykorzystuje najwyższą częstotliwość wyświetlania klatek. Narzędzie zapewnia także nowe poziomy dostosowywania, w tym docelową temperaturę GPU i kontrolę docelowej liczby klatek na sekundę.

[\*\*http://www.palit.com/TM\*\*](http://www.palit.com/TM)



## **PORTUGUESE (Brazil)**

Bem-vindo em fazer parte da Palit Family. Com a Palit Graphics Card, você pode começar a aproveitar e criar a melhor experiência de jogo.

### **Driver da placa gráfica**

Encontre o driver oficial na página Download Service, site da Palit. Você poderá obter o driver mais recente para sua placa gráfica.

[\*\*http://www.palit.com/download\*\*](http://www.palit.com/download)

### **Utilitário ThunderMaster**

O Utilitário ThunderMaster permite monitorar e gerenciar a placa gráfica Palit. É também a ferramenta OC que utiliza totalmente a tecnologia NVIDIA GPU Boost para monitoramento inteligente da velocidade do relógio, garantindo que a GPU seja executada com segurança no auge e o jogo com a maior taxa de quadros. Ele também oferece novos níveis de personalização, incluindo a temperatura da GPU e o controle de alvo de taxa de estrutura.

[\*\*http://www.palit.com/TM\*\*](http://www.palit.com/TM)

**ROMANIAN** Bun venit în familia Palit. Cu placa video Palit puteți începe să vă bucurați și să acumulați experiența maximă de gaming.

### **Driver placă video**

Driverul oficial este disponibil pe pagina Download Service de pe site-ul Palit. Veți putea obține cel mai recent driver pentru placa dumneavoastră video.

[\*\*http://www.palit.com/download\*\*](http://www.palit.com/download)

### **ThunderMaster Utility**

ThunderMaster Utility vă permite să monitorizați și să gestionați placa video Palit. De asemenea, acesta este un instrument pentru overclock care utilizează complet tehnologia GPU Boost de la NVIDIA pentru monitorizarea inteligentă a frecvenței ceasului, asigurând astfel funcționarea GPU în siguranță la viteza maximă și rularea jocului la cea mai mare cadență a cadrelor. În plus, oferă niveluri noi de personalizare, inclusiv controlul GPU Temperature Target (temperaturii GPU țintă) și al Frame Rate Target (cadenței cadrelor țintă).

[\*\*http://www.palit.com/TM\*\*](http://www.palit.com/TM)

## **RUSSIAN**

Добро пожаловать в семью пользователей продукции Palit. Видеокарта Palit обеспечивает безупречное качество и высочайшую эффективность игровых приложений.

### **Драйвер видеокарты**

Официальный драйвер вы можете найти в Службе загрузок на вебсайте Palit. Там вы сможете получить последнюю версию драйвера для вашей видеокарты.

[\*\*http://www.palit.com/download\*\*](http://www.palit.com/download)

### **Утилита ThunderMaster**

Утилита ThunderMaster позволяет контролировать работу и управлять настройками видеокарты Palit. Утилита также является инструментом ОС, который использует все возможности технологии NVIDIA GPU Boost для интеллектуального мониторинга тактовой частоты, обеспечивая безопасность работы графического процессора на пике производительности и высочайшую частоту кадров игрового приложения. Утилита также обеспечивает новые уровни настройки параметров, в том числе целевой температуры ГП и целевой частоты кадров.

[\*\*http://www.palit.com/TM\*\*](http://www.palit.com/TM)

## SPANISH

Bienvenido a la familia Palit. Con la tarjeta gráfica Palit, podrá comenzar a disfrutar y desarrollar la mejor experiencia de juego.

### Controlador de tarjeta gráfica

Encuentre el controlador oficial en la página de Servicio de descarga, en el sitio web de Palit. Podrá obtener el controlador más reciente para su tarjeta gráfica.

<http://www.palit.com/download>

### Utilidad ThunderMaster

La utilidad ThunderMaster le permite monitorear y gestionar la tarjeta gráfica Palit. También es la herramienta OC que aprovecha al máximo la tecnología NVIDIA GPU Boost para el monitoreo inteligente de la velocidad del reloj, asegurando que la GPU funcione de manera segura en su nivel máximo y que el juego tenga la velocidad de fotogramas más alta. También ofrece nuevos niveles de personalización, que incluyen el control del GPU Temperature Target y el Frame Rate Target.

<http://www.palit.com/TM>

## TURKISH

Palit Ailesi'ne hoş geldiniz. Palit Grafik Kartı ile üst düzey oyun deneyimini oluşturabilir ve keyfini çıkarabilirsiniz.

### Grafik Kartı Sürücüsü

Resmi sürücüyü, Palit internet sitesinin Download Service sayfasında bulabilirsiniz. Grafik kartınız için en son sürücüleri indirebilirsiniz.

<http://www.palit.com/download>

### ThunderMaster Yardımcı Yazılımı

ThunderMaster Yardımcı Yazılımı ile Palit grafik kartınızı izleyebilir ve yönetebilirsiniz. Ayrıca akıllı saat hızı izleme için NVIDIA GPU Boost teknolojisini kullanarak, GPU'nun tam kapasitede çalışmasını ve oyunun en yüksek kare hızında olmasını sağlayan OC aracıdır. GPU Sıcaklık Hedefi ve Kare Hızı Hedefi kontrolünü de içeren yeni özelleştirme düzeyleri de sunar.

<http://www.palit.com/TM>

## INDONESIAN

Selamat datang untuk menjadi bagian dari Palit Family Dengan Kartu Grafis Palit, Anda bisa mulai menikmati dan mengembangkan pengalaman bermain game terbaik.

### Driver Kartu Grafis

Temukan driver resmi di halaman Unduh Layanan, situs web Palit. Anda bisa mendapatkan driver terbaru untuk kartu grafis Anda.

<http://www.palit.com/download>

### ThunderMaster Utility

ThunderMaster Utility membantu Anda memonitor dan mengelola kartu grafis Palit. Utilitas ini juga merupakan alat OC yang memanfaatkan sepenuhnya teknologi NVIDIA GPU Boost untuk memonitor kecepatan clock secara cerdas, sehingga memastikan GPU berjalan dengan aman di kondisi puncaknya dan permainan game mencapai tingkat kecepatan operasional tertinggi. Utilitas ini pun menawarkan level baru penyesuaian, termasuk GPU Temperature Target dan kontrol Frame Rate Target.

<http://www.palit.com/TM>

## KOREAN

Palit 가족의 일원이 되신 것을 환영합니다. 이제 Palit 그래픽 카드로 최고의 게이밍 환경을 구축하여 최고의 게이밍 경험을 즐기실 수 있습니다.

### 그래픽 카드 드라이버

Palit 웹사이트의 다운로드 서비스 페이지에서 공식 드라이버를 검색하십시오. 사용 중인 그래픽 카드의 최신 드라이버를 찾으실 수 있습니다.

<http://www.palit.com/download>

### ThunderMaster 유틸리티

ThunderMaster 유틸리티로 Palit 그래픽 카드를 모니터링하고 관리할 수 있습니다. OC 톨로도 사용되는 이 유틸리티는, NVIDIA GPU Boost 기술을 완벽하게 활용하여 클럭 속도의 지능적인 모니터링을 통해 GPU가 피크에서 안전하게 실행되고 게임이 최고 프레임 속도로 실행될 수 있도록 보장합니다. 그밖에도 GPU 타겟 온도, 타겟 프레임 속도 제어 등, 새로운 수준의 사용자 지정 기능도 제공합니다.

<http://www.palit.com/TM>

[www.palit.com](http://www.palit.com)

**HDMI™**  
HIGH DEFINITION MULTIMEDIA INTERFACE

• HDMI with higher resolution and stereoscopic 3D supports.

**HDCP**  
COMPLIANT

**ROHS** **FC**

EEE Yönetmeliğine Uygundur



M-PA13