

PNY

# VELOCITYX

SOFTWARE GUIDE

\* Applicable to VelocityX v0.1.2.6 and above

# INTRODUCTION

Through the VelocityX software integration platform, users can access detailed device information and enjoy features like performance monitoring, settings adjustments, personalized lighting effects, and the new 50 series' "what you see is what you get" experience.

And now, VelocityX supports PNY's complete range of graphics cards and NVMe SSDs.



## Graphics Card

Built for high-performance computing and gaming, offering exceptional graphics power and stability.



## SSD

A high-speed storage solution providing strong read/write performance and reliability for diverse data needs.

The screenshot displays the VelocityX software interface with several key sections highlighted by red boxes and labeled A through E:

- A Product List:** A sidebar on the left showing a list of supported hardware. Under "Graphics Card", two NVIDIA GeForce RTX models are listed: RTX 4070 (Bus:1) and RTX 4090 (Bus:2). Under "SSD", an XLR8 CS3040 M.2 2280 NVMe Gen4x4 is listed.
- B Performance:** The main central area, currently showing the "PERFORMANCE" tab. It includes an "INFORMATION" section with details for the NVIDIA GeForce RTX 4070 (Video BIOS Version: 94.04.65.00.01, Driver Version: 513.77) and a "PERFORMANCE MONITOR" section with real-time metrics: Temperature (38°C), GPU Clock (1985 MHz), Memory Clock (7653 MHz), GPU Loading (25%), and Memory Loading (83%).
- C Lighting:** A tab for customizing lighting effects, currently selected.
- D Settings:** A settings menu icon in the top right corner.
- E User Profile:** A user profile icon in the top right corner.

Additional features visible in the interface include a "FAN SPEED" control with a slider set to 50% (1718 RPM) and an "OVERCLOCKING" section for Core Clock (2310 MHz) and Memory Clock (10501 MHz), both set to +0. A "START" button is present for the overclocking process. The interface also features a vertical navigation bar on the right with numbered tabs (1-5) and a "VELOCITYX" logo at the bottom center.

**A** Product List

**B** Performance

**C** Lighting

**D** Settings

**E** User Profile

# A PRODUCT LIST

When you have two or more PNY series products with software support or other compatible products installed, this product list will appear, allowing users to quickly configure multiple devices.

If you only have a single device, this list section will be automatically hidden.

The screenshot displays the PNY VelocityX software interface. On the left, a sidebar titled 'VELOCITYX' contains a 'Graphics Card' section with two items: 'NVIDIA GeForce RTX 4070 (Bus:1)' and 'NVIDIA GeForce RTX 4090 (Bus:2)'. Below this is an 'SSD' section with one item: 'XLR8 CS3040 M.2 2280 NVMe Gen4x4'. The main area is divided into 'PERFORMANCE' and 'LIGHTING' tabs. The 'PERFORMANCE' tab is active, showing an 'INFORMATION' section with details for the selected NVIDIA GeForce RTX 4070: Graphics Card (NVIDIA GeForce RTX 4070), Video BIOS Version (94.04.65.00.01), and Driver Version (513.77). Below this is a 'PERFORMANCE MONITOR' section with a table of metrics:

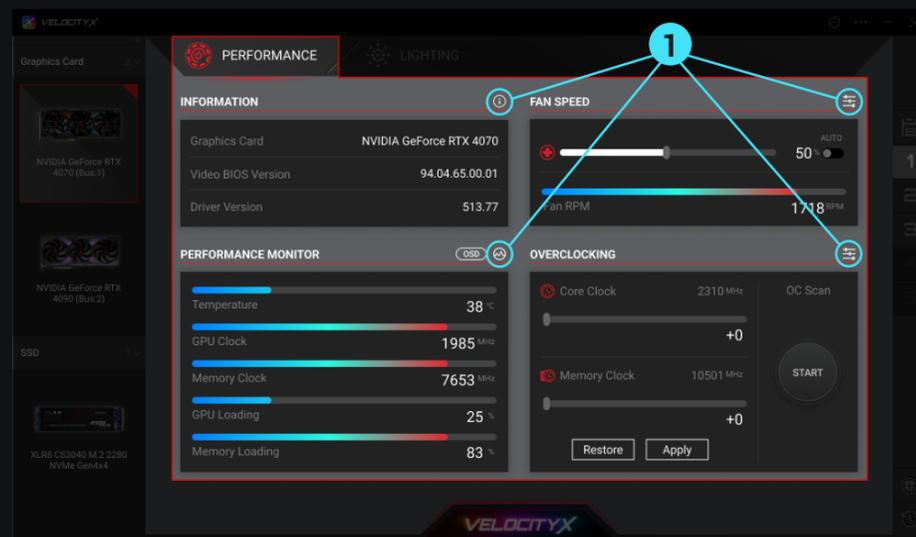
Metric	Value
Temperature	38 °C
GPU Clock	1985 MHz
Memory Clock	7653 MHz
GPU Loading	25 %
Memory Loading	83 %

To the right of the information section are 'FAN SPEED' and 'OVERCLOCKING' controls. The 'FAN SPEED' section shows a slider set to 50% (AUTO) and a 'Fan RPM' of 1718. The 'OVERCLOCKING' section shows 'Core Clock' at 2310 MHz and 'Memory Clock' at 10501 MHz, both with '+0' offset. It includes a 'START' button and 'Restore' and 'Apply' buttons. The interface also features a sidebar with numbered tabs (1-5) and a 'VELOCITYX' logo at the bottom.

# B PERFORMANCE

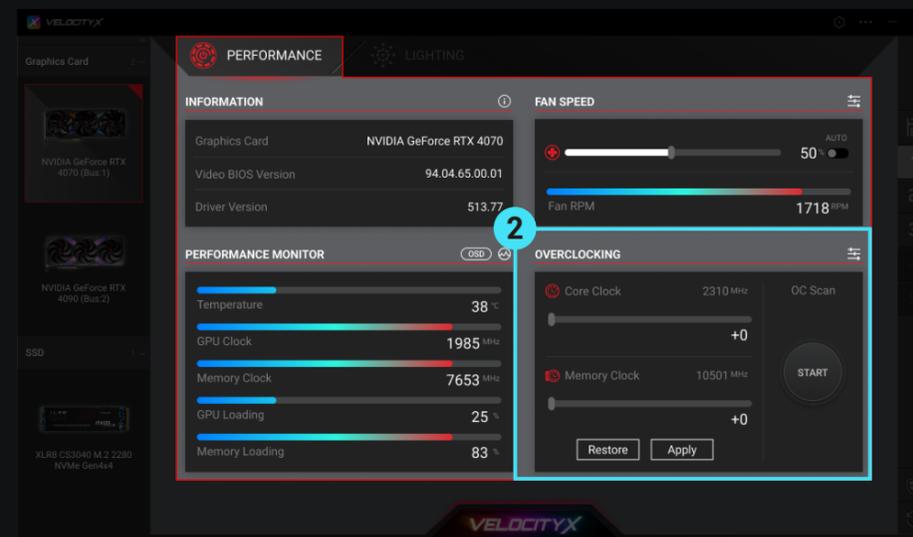
## 1- Advanced Functions

Click on the icon in the upper-right corner of the title to access advanced controls and monitoring items for this function. This allows you to have both an overview of the information and the ability to have more detailed control.



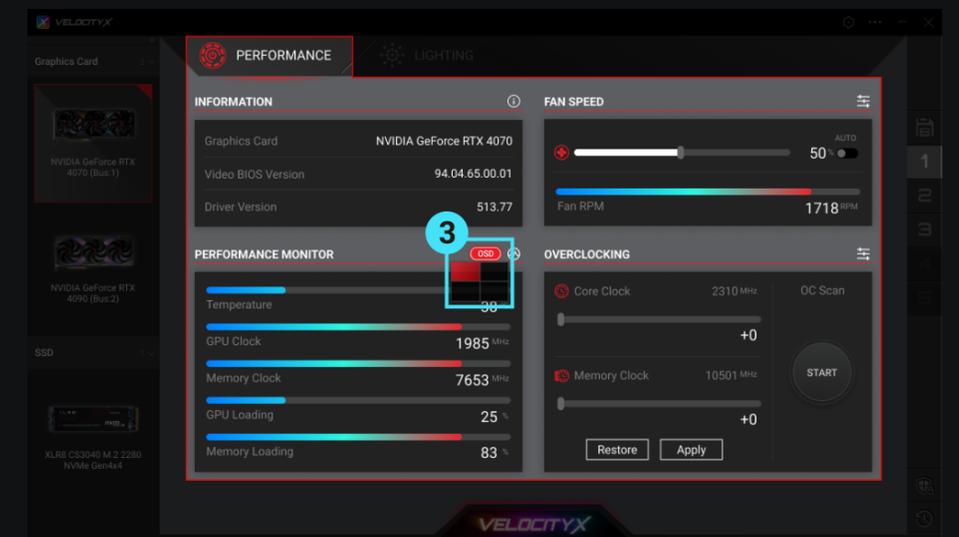
## 2- Overclocking

Press the "Start" button on the right to initiate the overclocking scan. You can also manually overclock using the left-hand field, but it is advisable to use the NVIDIA's recommended overclock values as a reference for manual overclocking.



## 3- OSD

One-click to turn on/off the screen display function and quickly adjust the information display position from the menu.



## 4- SSD Status Monitoring

Supports only internally installed NVMe SSDs;  
external SSDs are not supported.

- Manual Update: Manually refresh to get the latest SSD status.
- Automatic Update: Refreshes SSD status every 60 seconds for continuous monitoring.

The screenshot displays the VelocityX SSD monitoring interface. On the left, a sidebar lists hardware components: two NVIDIA GeForce RTX 4070 (Bus:1) and RTX 4090 (Bus:2) graphics cards, and one PNY CS2140 1TB SSD. The SSD is highlighted with a red box. The main panel shows the selected SSD's details:

- PNY CS2140 1TB SSD ( NVMe )**  
Firmware : EJFM31.1 | Serial Number : PNY21382109160162101
- Health:** 99% (indicated by a purple progress bar)
- Temperature:** 42 °C (indicated by a blue progress bar and a 70 °C warning icon)
- Usage:** 1058 Power On Count, 5406 Power On Hours
- Capacity:** 931.51 GB (GPT)
  - 100.00 MB EFI System Partition
  - 16.00 MB Reserved Partition
  - 930.56 GB C:NTFS Data Partition
  - 852.00 MB Recovery Partition
- Disk Information:** A table with tabs for Basic, SMART, Critical Warning, and Feature. The SMART tab is active.

ID	Attribute Name	Content
01	Composite Temperature NcqSupported	42 °C
02	Available Spare	100 %
03	Available Spare Threshold	5 %
04	Percentage Used	2 %
05	Data Units Read	28.8 TB
06	Data Units Written	28.8 TB
07	Host Read Commands	1122585231
08	Host Write Commands	1144511635

On the right side of the main panel, there are two circular icons: a refresh icon (top) and a manual update icon (bottom), both enclosed in a blue box with the number '4' in the top-left corner.

# C LIGHTING

Refer to the compatible device table for lighting effect support : [VelocityX-Support-Martix.pdf](#)

## 1- Mode

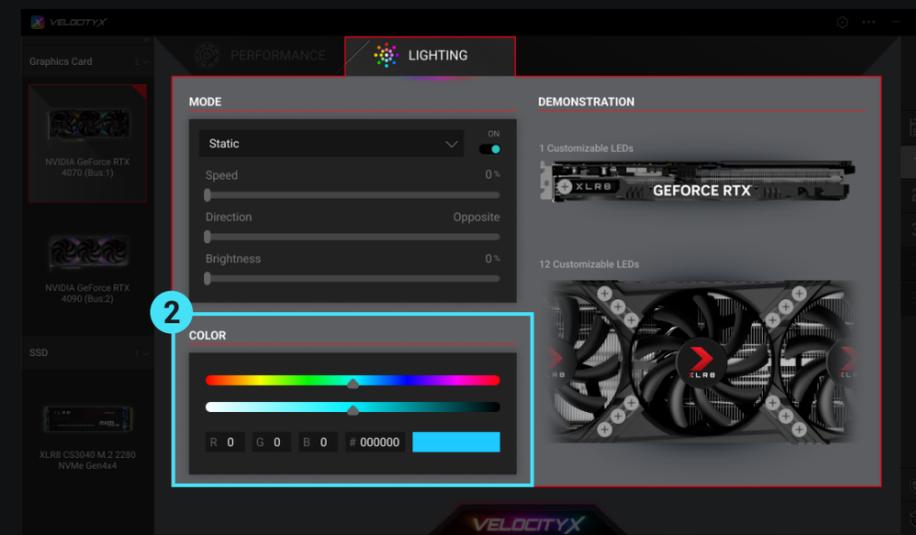
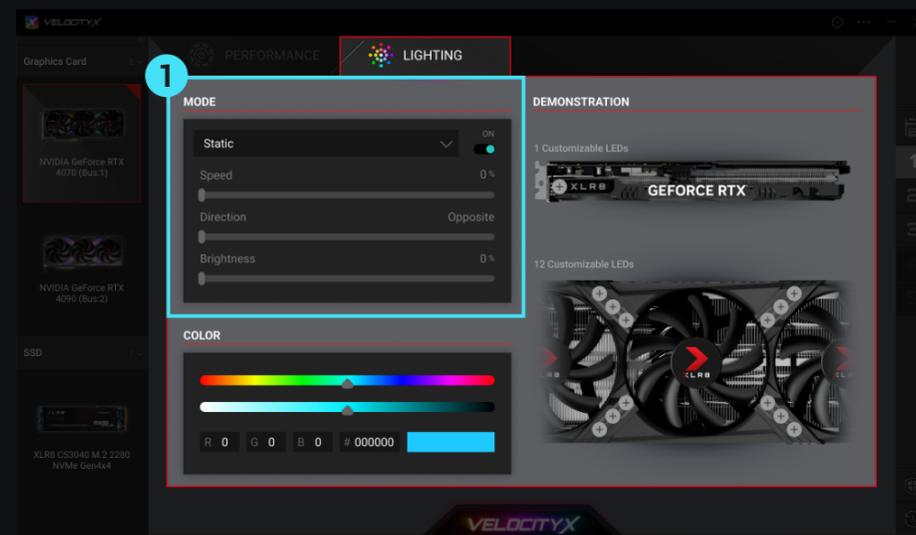
Selecting a lighting effect within "MODE" will open up specific settings for that effect, including options for speed, direction, brightness, and more.

## 2- Color

Selecting "COLOR", adjust the brightness or directly input the color value. For the "Static" lighting effect, customize the lighting color by combining the color wheel with the lamp bead positions.

## 3- Demonstration

When lighting effect is selected, the corresponding lighting effect is previewed in this section. The 50 series graphics cards support real-time lighting control for an intuitive experience.



## 4- Dynamic Lighting

Some PNY products are compatible with Windows Dynamic Lighting. When this feature is enabled, VelocityX will hand over control of the Lighting feature to Windows to ensure synchronized settings across different brand devices.

The image shows a composite screenshot. On the left is the VelocityX software interface. A red box highlights a device entry: "PNY XLR8 Gaming HS3000X". A blue arrow points from this box to a Windows Settings window on the right. The Windows window is titled "Personalization > Dynamic Lighting". It shows a color calibration grid and the device name "PNY XLR8 Gaming HS3000X". Under "Manage all dynamic lighting devices", there are two toggle switches: "Use Dynamic Lighting on my devices" (set to "On") and "Compatible apps in the foreground always control lighting" (set to "Off"). The "On" toggle is highlighted with a red box. Below the Windows window is a grey notification box with a shield icon and a lock, titled "We have detected Microsoft's Dynamic Lighting". The text inside says: "To access VelocityX advanced lighting settings, please navigate to Start > Settings > Personalization > Dynamic Lighting. Ensure it is set to off." A button labeled "Go to Dynamic Lighting" is at the bottom of the notification. The VelocityX logo is visible at the bottom of the software interface.

# D SETTINGS

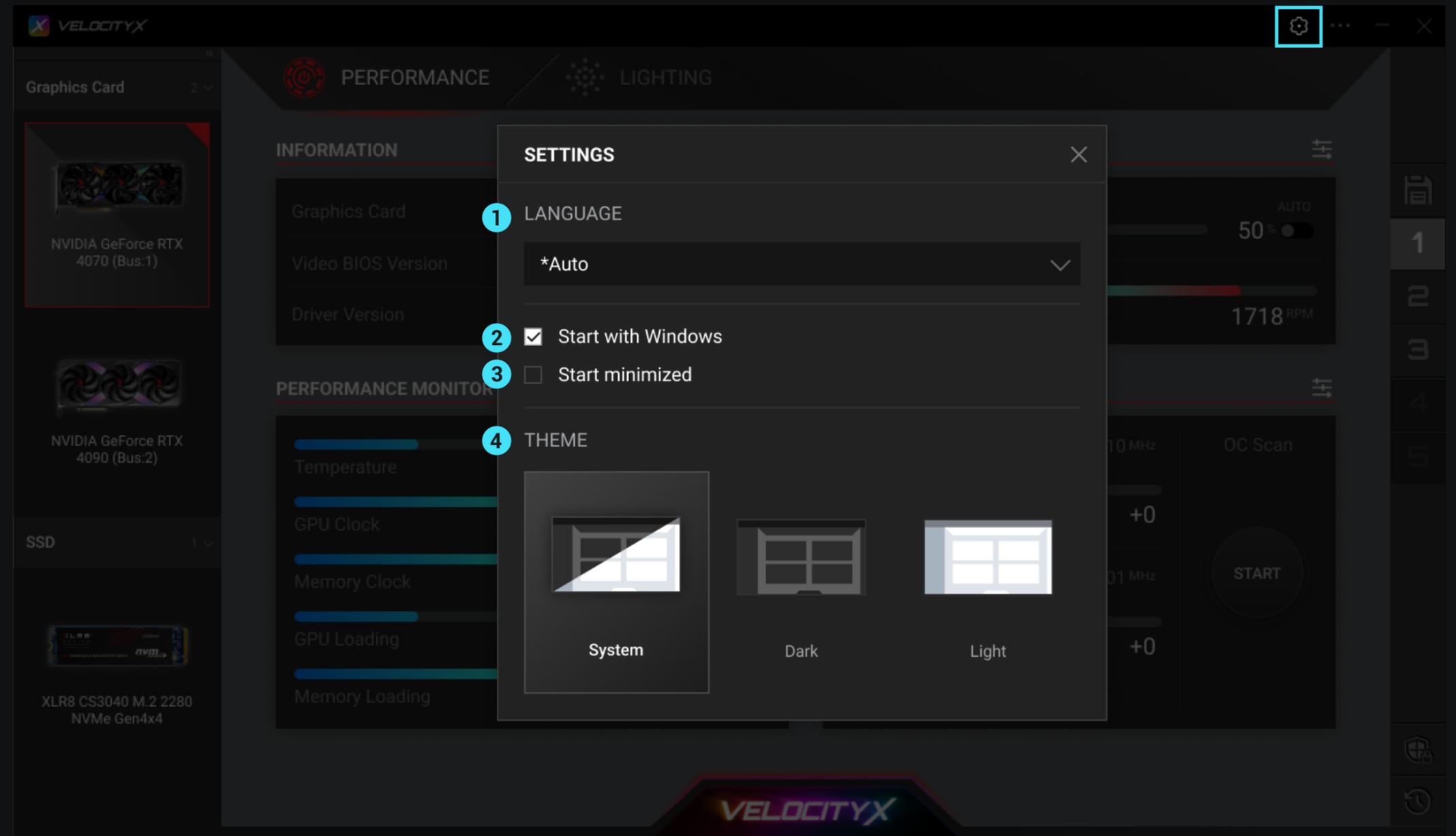
Click "Settings" in the upper right corner and you can find :

1- Language

2- Start with Windows

3- Start Minimized

4- Theme



# E USER PROFILE

## 1- Save Custom Changes

Click the "Save" icon to open the window.

Naming your settings on the window and selecting the location for saving, click the "Save" button.

You can hover your mouse over that location to access and delete the information of your saved settings.

## 2- Restore to Default Settings

Click the "Restore" icon to revert the current state to the default settings.

