

PNY

# VELOCITYX

SOFTWARE GUIDE

\* Applicable to VelocityX v0.1.3.3 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.

VelocityX now supports all PNY graphics cards from the 40 series and beyond, in addition to 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 callouts A through F:

- A Settings:** Located in the top right corner, containing a gear icon for system settings.
- B Product List:** A sidebar on the left showing a list of supported hardware, including an NVIDIA GeForce RTX 5080 (Bus:1), an NVIDIA GeForce RTX 4090 (Bus:2), and a PNY CS3040 1TB SSD.
- C Performance:** The main central area, divided into three sub-sections:
  - INFORMATION:** Displays details for the NVIDIA GeForce RTX 5080, including Video BIOS Version (98.03.65.00.A8) and Driver Version (567.88).
  - PERFORMANCE MONITOR:** Shows real-time metrics with progress bars: Temperature (38°C), GPU Clock (1985 MHz), Memory Clock (7653 MHz), GPU Loading (25%), and Memory Loading (83%).
  - FAN SPEED:** Features a slider set to 50% (AUTO) and a Fan RPM reading of 1718 RPM.
  - OVERCLOCKING:** Includes sliders for Core Clock (2310 MHz) and Memory Clock (10501 MHz), both set to +0. It also features an OC Scan button, a START button, and Restore/Apply buttons.
- D LIGHTING:** A menu option in the top navigation bar.
- E LIGHTING LAB:** A sub-menu option in the top navigation bar.
- F User Profile:** A vertical sidebar on the right side of the interface.

**A** Settings

**B** Product List

**C** Performance

**D E** Lighting

**F** User Profile

# A SETTINGS

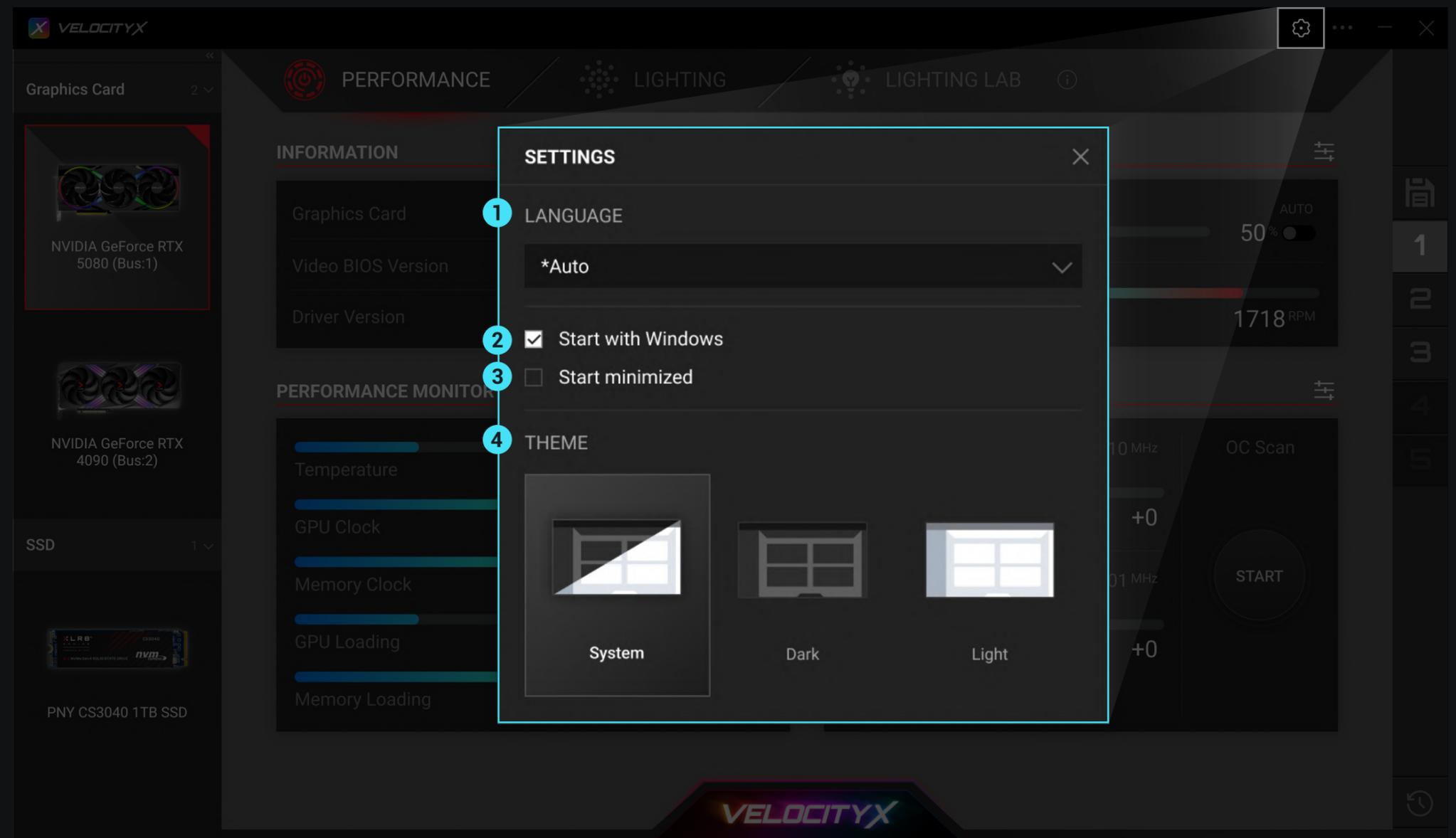
Click the **Settings** icon in the upper-right corner to find :

1- Language

2- Start with Windows

3- Start Minimized

4- Theme



## B 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.

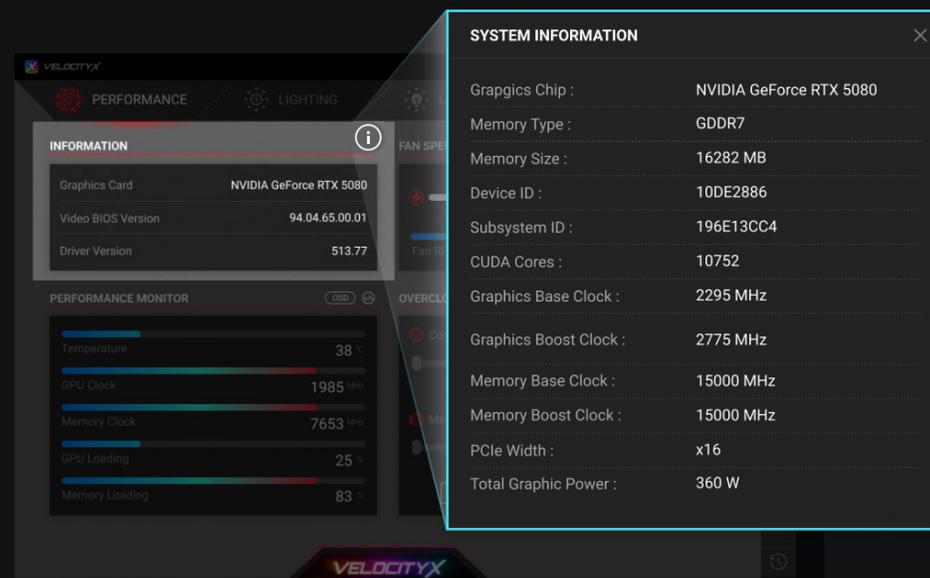
The screenshot displays the VELOCITYX software interface. On the left, a sidebar shows a 'Graphics Card' section with two items: 'NVIDIA GeForce RTX 5080 (Bus:1)' and 'NVIDIA GeForce RTX 4090 (Bus:2)'. Below this is an 'SSD' section with one item: 'PNY CS3040 1TB SSD'. The main area is divided into several panels: 'INFORMATION' showing details for the selected NVIDIA GeForce RTX 5080 (Graphics Card, Video BIOS Version 98.03.65.00.A8, Driver Version 567.88); 'PERFORMANCE MONITOR' showing real-time metrics (Temperature 38 °C, GPU Clock 1985 MHz, Memory Clock 7653 MHz, GPU Loading 25%, Memory Loading 83%); 'FAN SPEED' with a slider set to 50% and Fan RPM at 1718; and 'OVERCLOCKING' with sliders for Core Clock (2310 MHz) and Memory Clock (10501 MHz), plus 'Restore' and 'Apply' buttons. A 'START' button is also visible in the Overclocking section. The interface includes a top navigation bar with 'PERFORMANCE', 'LIGHTING', and 'LIGHTING LAB' tabs, and a right-side sidebar with numbered buttons 1-5.

# C PERFORMANCE

## 1- Device Info

Basic device details.

Click **Advanced** (top-right) for more information.



## 2- Performance Monitoring

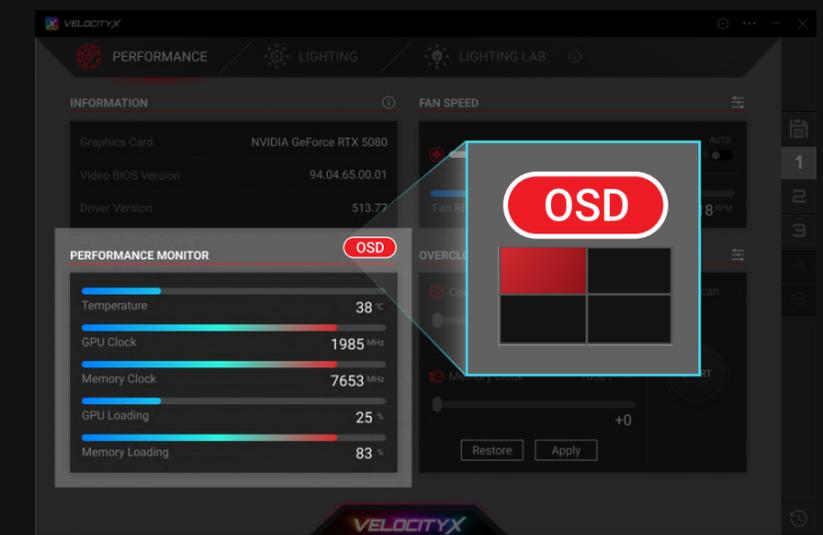
Real-time system status and key metrics.

Click **Advanced** to open a standalone window with portrait/landscape modes and Always-on-Top. The **System Log** below lets users enable or disable log recording.



## 3- OSD (On-Screen Display)

Enable or disable the Performance OSD and set its position to monitor real-time data during full-screen apps or gaming.



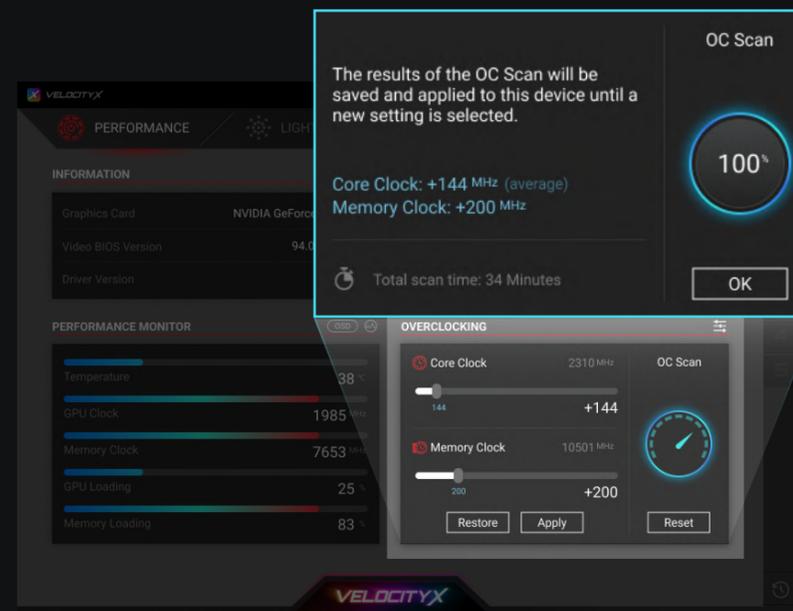
## 4- Fan Control

Supports **Auto** (temp-based) and **Manual** modes. Click **Advanced** (top-right) to customize fan curves via the reference chart.



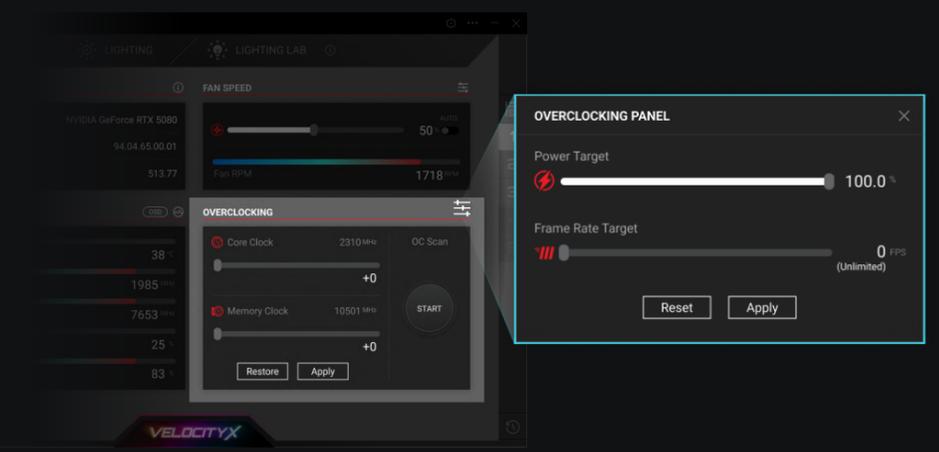
## 5- OC Scan

Automatically analyzes your device's overclocking potential and applies optimized settings for a stable performance boost.



## 6- Overclocking

Manually adjust Core and Memory clocks. Click **Advanced** (top-right) to set Power and FPS targets to balance performance and stability.

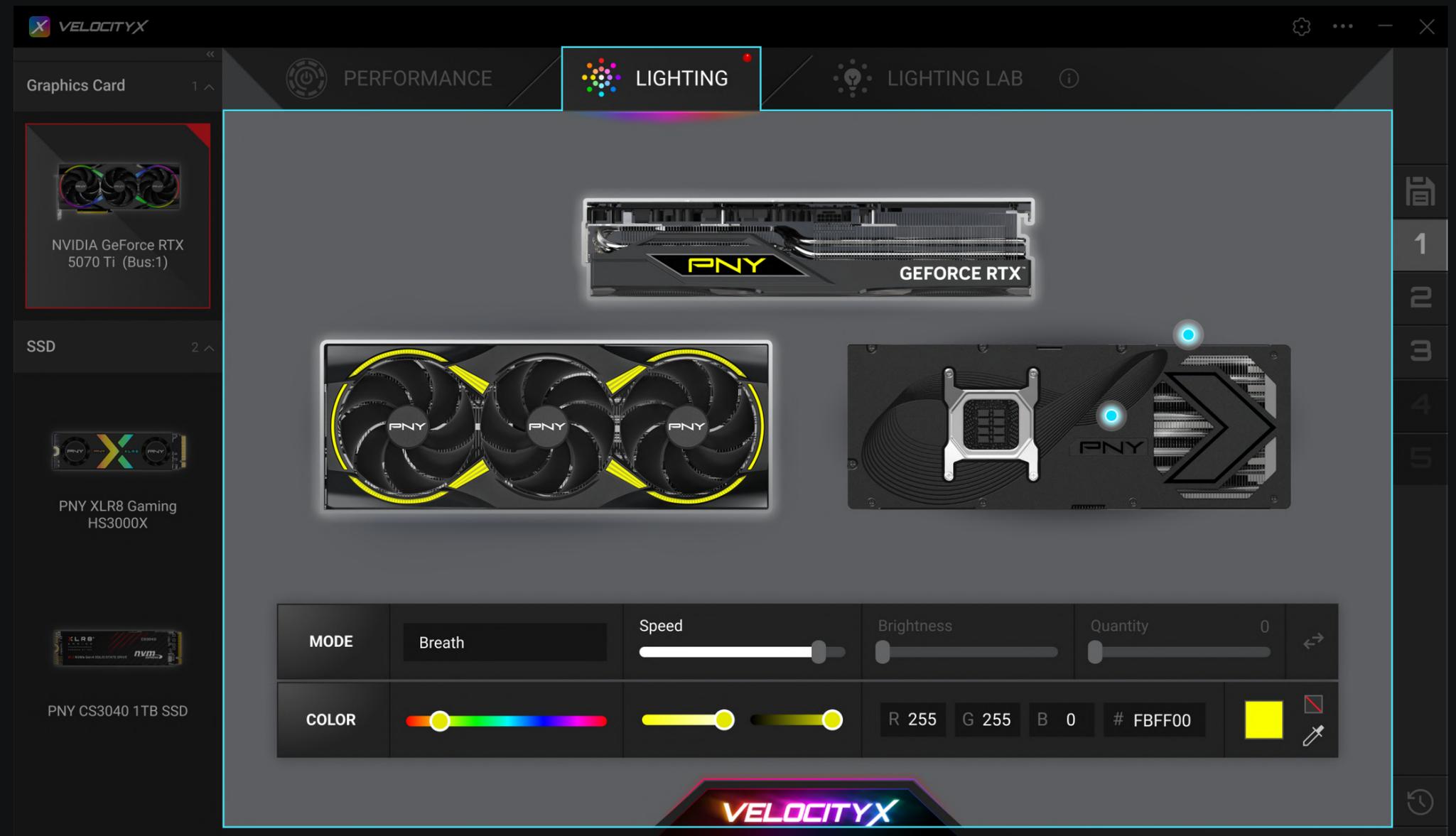


# D HARDWARE LIGHTING

\* For GeForce RTX 50 Series GPUs

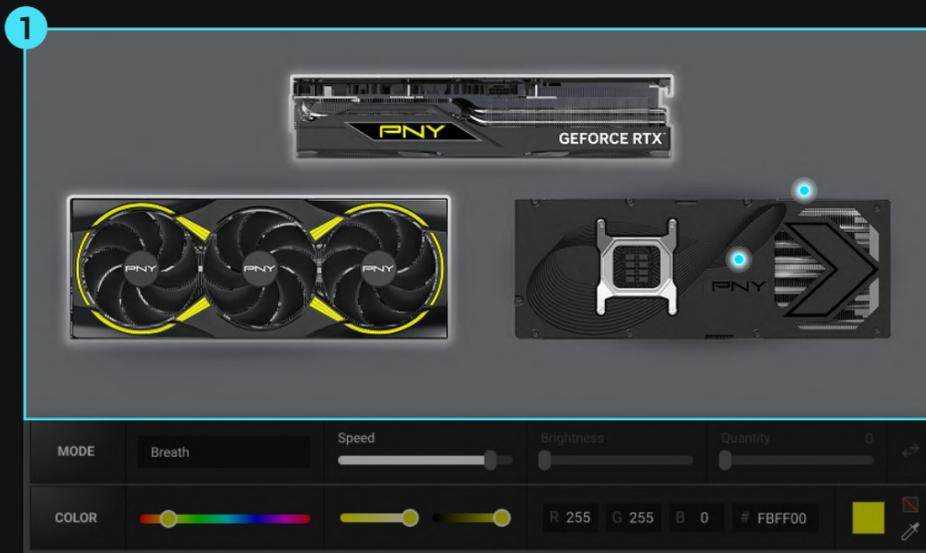
Controlled directly by GPU hardware; no background software is required.

Once saved, effects persist even after software closure or system reboots, ensuring maximum stability.



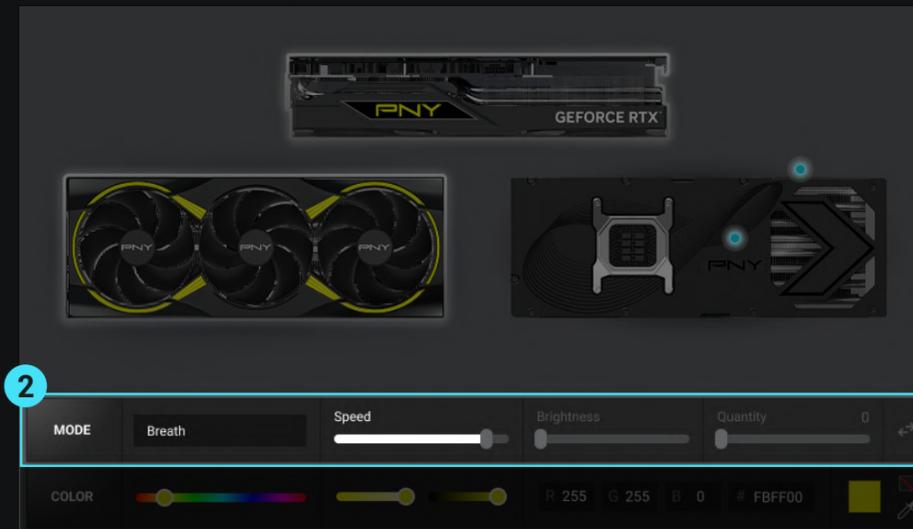
## STEP 1 : Select Zone

Select a zone first. Once a **Mode** is applied in STEP 2, a preview will be displayed here.



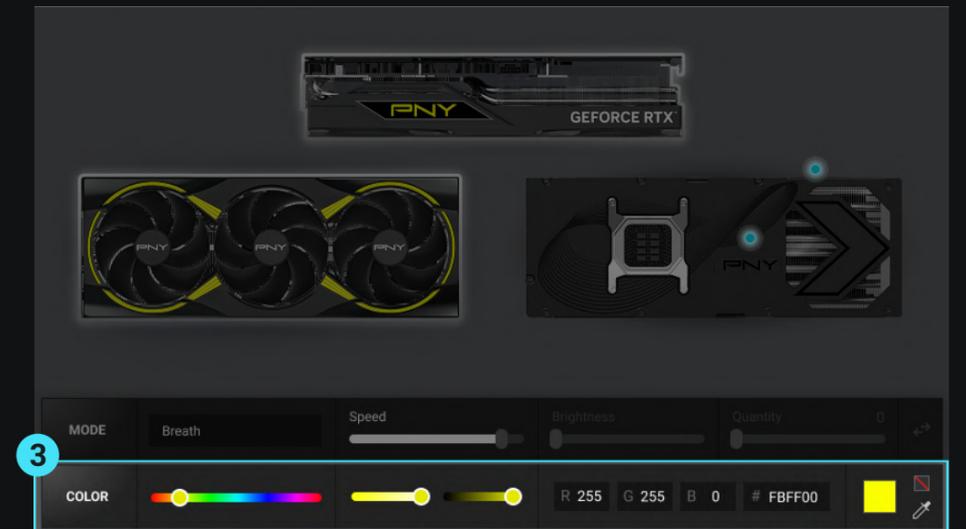
## STEP 2 : Select Mode

Choose a **Mode** to customize Speed, Direction, and Brightness.



## STEP 3 : Select Color

Select a **Color Scheme** to adjust brightness or enter color values.  
For **Static** mode, use the color palette to customize individual LED colors.

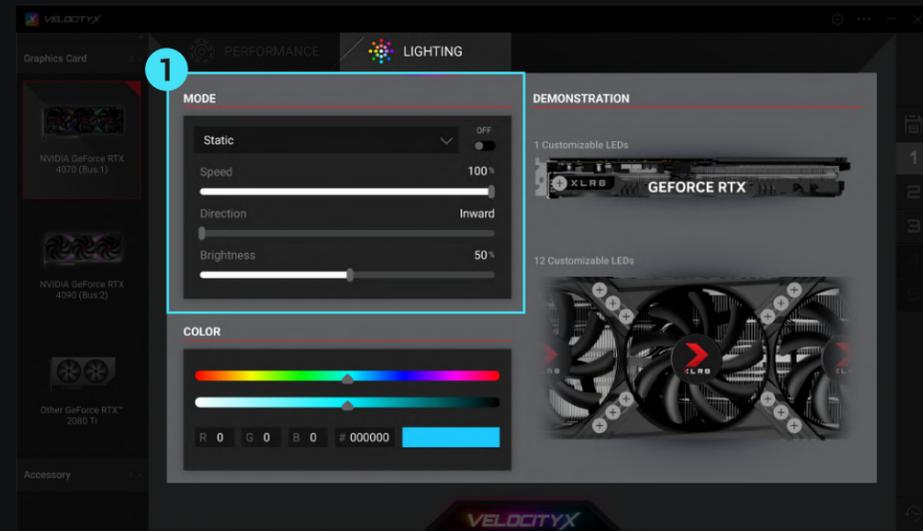


# HARDWARE LIGHTING (Compatible Interface)

\* For GeForce RTX 40 Series and earlier GPUs

## STEP 1: Select Mode

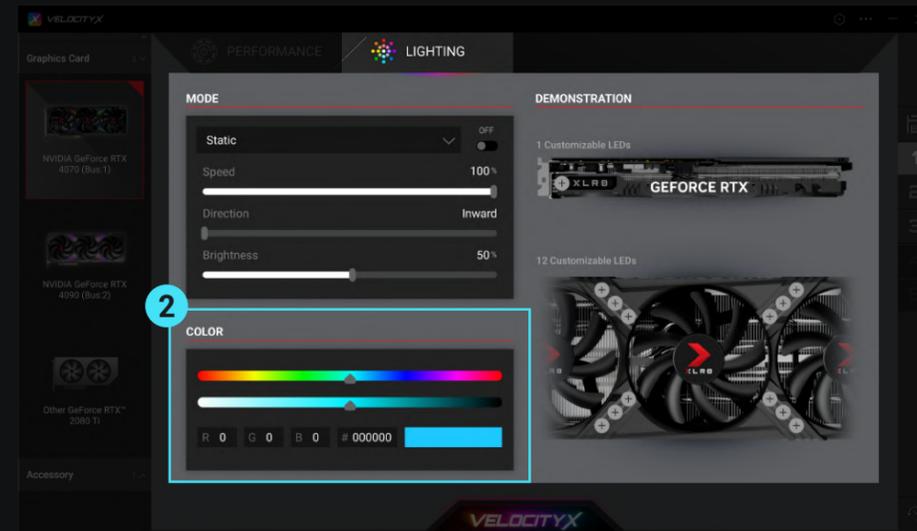
Choose a **Mode** to customize Speed, Direction, and Brightness.



## STEP 2: Select Color

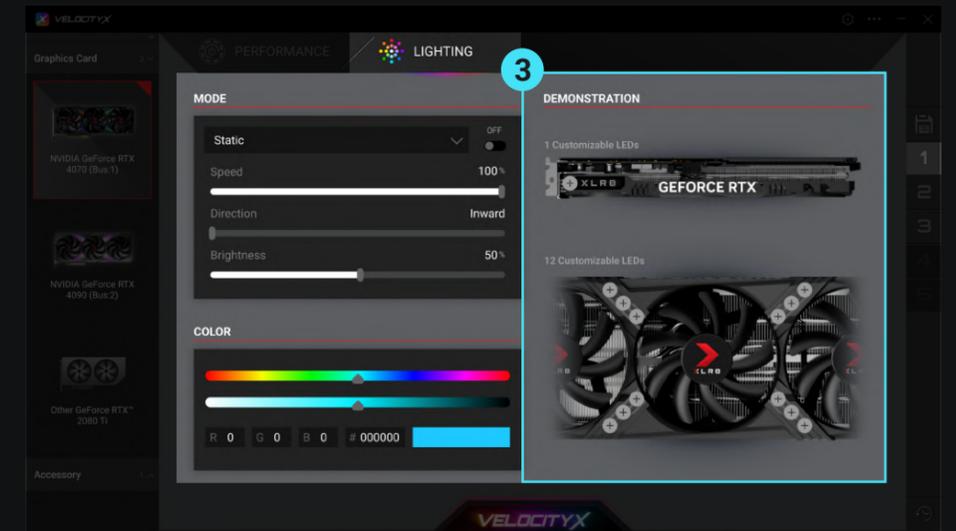
Select a **Color Scheme** to adjust brightness or enter color values.

For **Static** mode, use the color palette to customize individual LED colors.



## STEP 3: Preview & Apply

After selecting the **Mode** and **Color Scheme**, this section provides a lighting preview and applies the settings to the device.



# E SOFTWARE LIGHTING

\* For GeForce RTX 50 Series GPUs

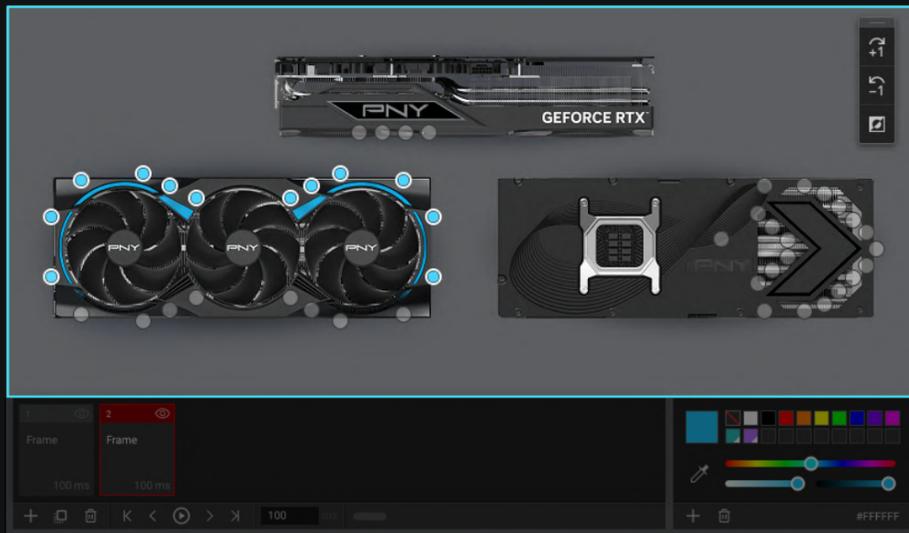
Real-time lighting control via software.  
Designed using a frame-by-frame concept for  
advanced customization and fine-tuning.  
Requires the app to run in the background.



## 1- Lighting Zone Control

Select specific LEDs to control. Use **Ctrl + Click** for multiple selection or click-and-drag to select an area.

-  — **Shift Forward** : Move IDs forward
-  — **Shift Backward** : Move IDs backward
-  — **Invert** : Reverse selection



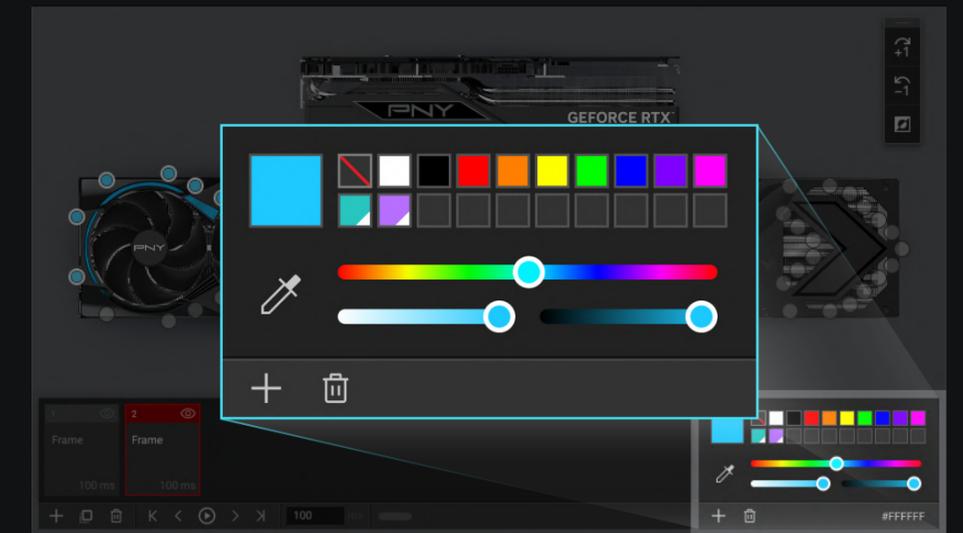
## 2- Timeline / Frames

Add, copy, delete, rename, or drag-to-reorder frames. Use real-time play to precisely control lighting timing frame-by-frame.



## 3- Color Palette

Personalized palettes and an eye-dropper tool for a faster, more flexible workflow.



# F USER PROFILE

## 1- Save Profile

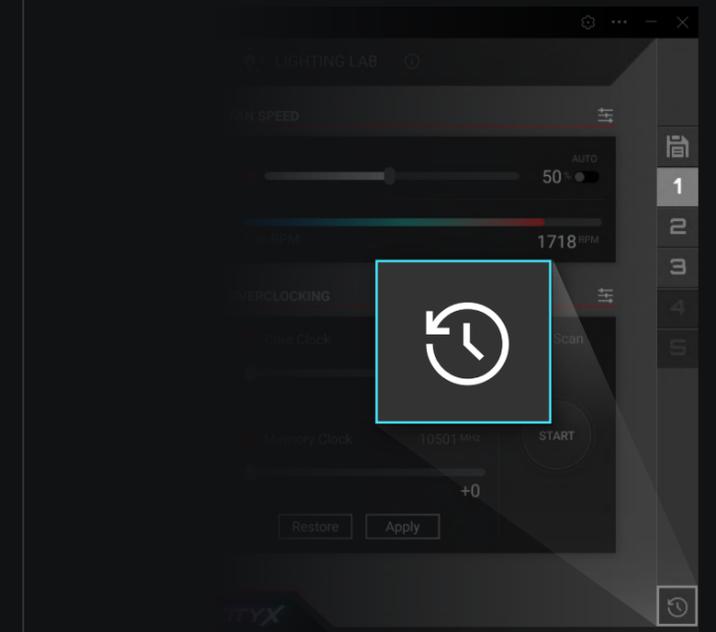
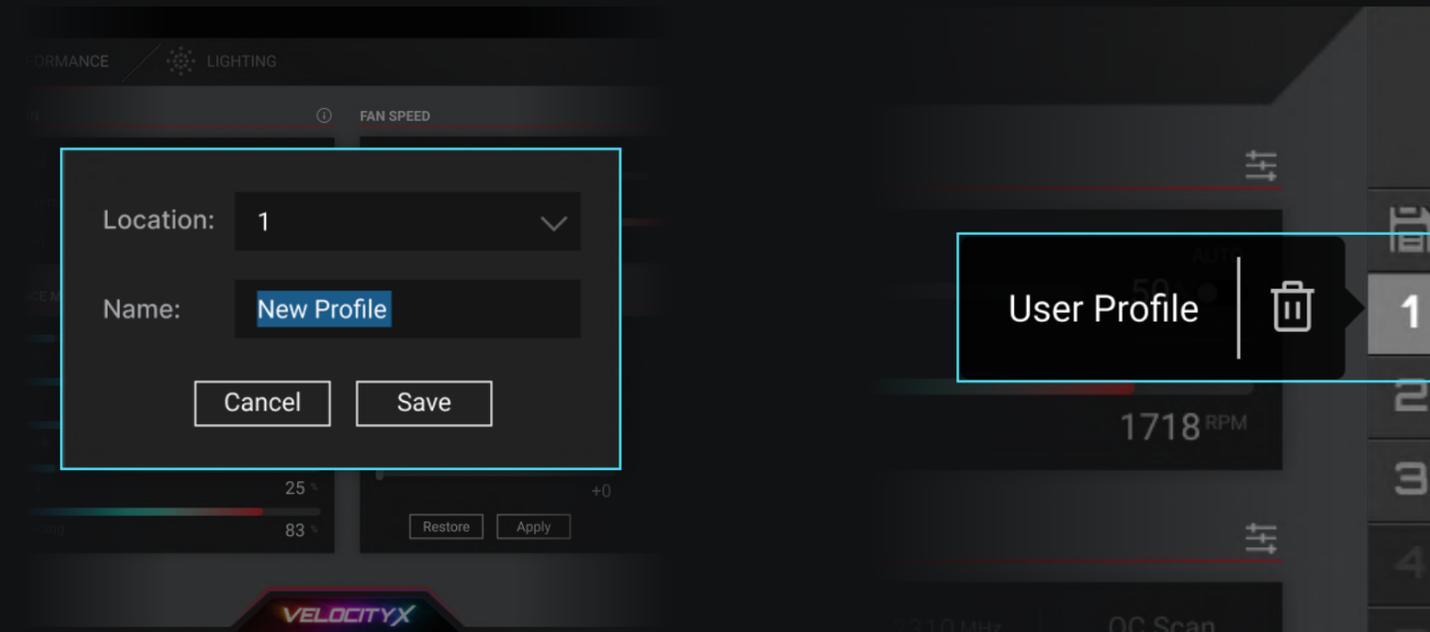
Click the **Save** icon.

Name your profile, select a slot, and click the **Save** icon. The profile will be automatically applied upon saving.

Hover over a slot to view the profile name or delete it.

## 2- Restore Defaults

Click the **Restore** icon to reset current settings to their default values.



# 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.

**PNY CS3040 1TB SSD ( NVMe )**  
Firmware : CS304131 | Serial Number : PNY21382109160123456

**Health** 99 %  
**Temperature** 42 °C  
**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		Basic	SMART	Critical Warning	Feature
ID	Attribute Name	Content			
01	Composite Temperature	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			