



User's Guide

ADATA® SSD Toolbox Software

(Version 5.0)



Revision History

Date	Revision	Description
2014/01/28	1.0	Initial release
2021/02/01	2.0	UI redesign
2022/08/31	3.0	<ul style="list-style-type: none">• Add new features(Benchmark/CloneDrive)• Add new OS support• Adjust some copy according to the new version UI.
2023/12/07	4.0	<ul style="list-style-type: none">• Removed CloneDrive
2024/07/10	5.0	<ul style="list-style-type: none">• Add CloneDrive



Contents

Overview	2
Introduction	2
System Requirements.....	2
Starting SSD Toolbox	3
Drive Information Screen.....	3
Select a Drive.....	4
Drive Dashboard	4
S.M.A.R.T. Button	4
Drive Details Button	4
Diagnostic Scan	5
Quick Diagnostics	5
Full Diagnostics.....	5
Utilities	6
Security Erase.....	6
FW Update	7
Toolbox Upgrade.....	8
Export Log.....	9
System Optimization.....	10
SSD Optimization.....	10
OS Optimization	10
System Information.....	11
Benchmark	12
CloneDrive	13
Step 1. Select source drive(Disk1)	13
Step 2. Select Target Drive(Disk0).....	14
Step 3. Confirm	14
Step 4. Cloning	15
Q&A.....	16



Overview

Introduction

ADATA SSD Toolbox is a user-friendly GUI for obtaining disk information and changing disk settings. Additionally, it can help improve the performance and endurance of your SSD.

Notice

- *ADATA Toolbox is only for use with ADATA SSD products.*
- *Please back up your data before updating firmware or erasing the SSD.*
- *Some situations may result in the drive becoming un-detected. For example, when “Hot-Plug” is disabled in the BIOS setup.*
- *Some functions will not be supported if the drive is not an ADATA product.*

System Requirements

- Supported operating systems include Windows 7/ 8.1/ 10/ 11.
- Minimum 10MB of free capacity is required to run this program.



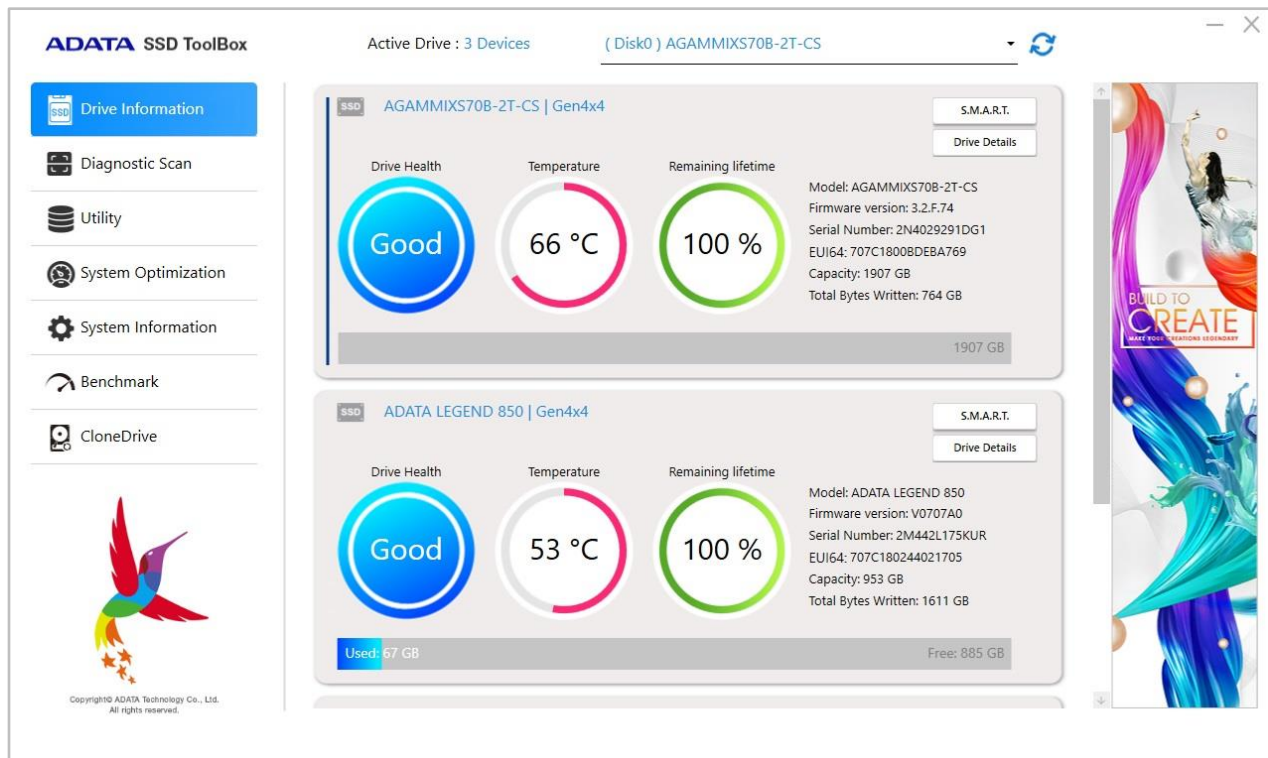
Starting SSD Toolbox

You can download ADATA SSD Toolbox from ADATA's official website. Unzip the file and double-click "SSDTool.exe" to start.

All functions are categorized into six sub-screens, including Drive Information, Diagnostic Scan, Utilities, System Optimization, System Information, and Benchmark. When you run ADATA SSD Toolbox, the main screen will automatically display drive information screen.

Drive Information Screen

In this screen, you can see detailed information on the selected drive.





Update Button

If an external hard drive is connected, you must click the Update button to update the drop-down menu.

Select a Drive

Simply choose any SSD on the drop-down list. A drive dashboard will appear accordingly. You may also navigate dashboards of all installed drives with the scroll bar on the right.

Drive Dashboard

The Drive dashboard displays the information including Drive Health, Temperature, Remaining Lifetime, Model, Firmware Version, Serial Number, Capacity, and TBW*. (Some modules may not support the Total Bytes Written function)

The blue bar on the left side of column indicates the present drive you have selected.

*TBW :Total Bytes Written

S.M.A.R.T. Button

Click the “S.M.A.R.T.” button to reveal the S.M.A.R.T. table, which shows self-monitoring, analysis and reporting technology attributes on the selected drive. Different brands of SSD may not support all S.M.A.R.T. attributes.

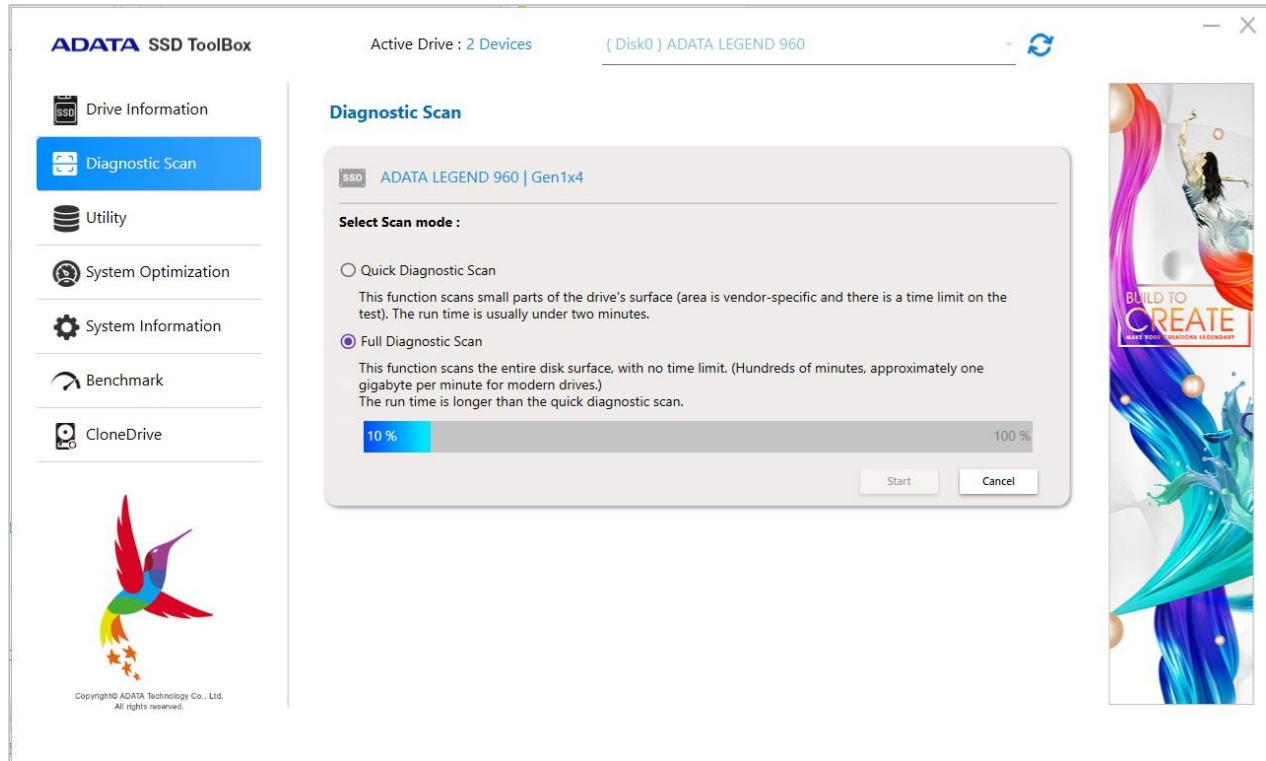
Drive Details Button

Click the “Drive Details” button to check in-depth technical information about the drive. Other values will be displayed when using other ADATA products.



Diagnostic Scan

Only supports Onboard SSD at this time. There are two diagnostic scan options available.



Quick Diagnostics

This option will run a basic test on free space of the selected drive. It may take several minutes.

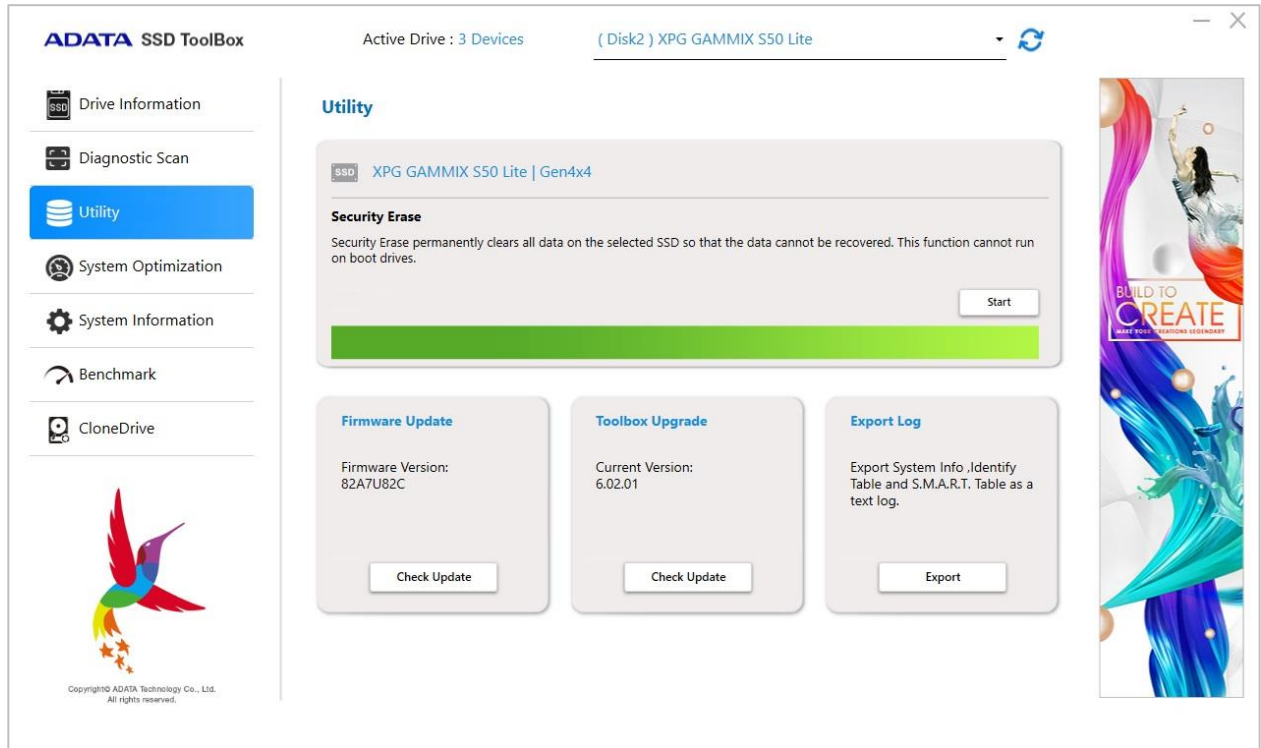
Full Diagnostics

This option will run a read test on all used space of the selected drive, and run a write test on all free space of the selected drive.



Utilities

There are multiple services on the Utilities screen, include Security Erase, FW update, Toolbox Upgrade and Export Log.



Security Erase

Security Erase permanently clears all data on the selected SSD so that the data cannot be recovered. The function cannot run on boot.

Unlocking Security Erase while ADATA SSD is Security Locked, Use a third-party tool to unlock.

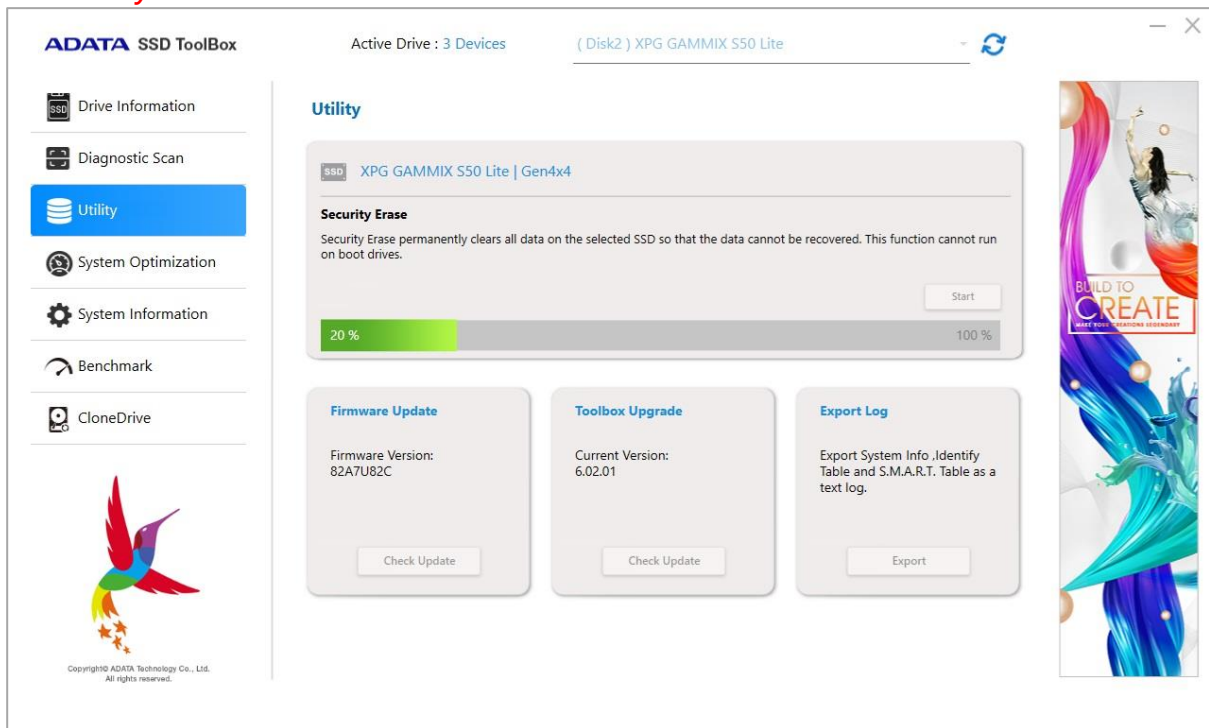
Unlock Password: **ADATA**

Notice

- *Please remove all of partitions before running Security Erase.*
- *Do not disconnect the SSD while security erase is running. Doing so will result in the SSD becoming security locked.*

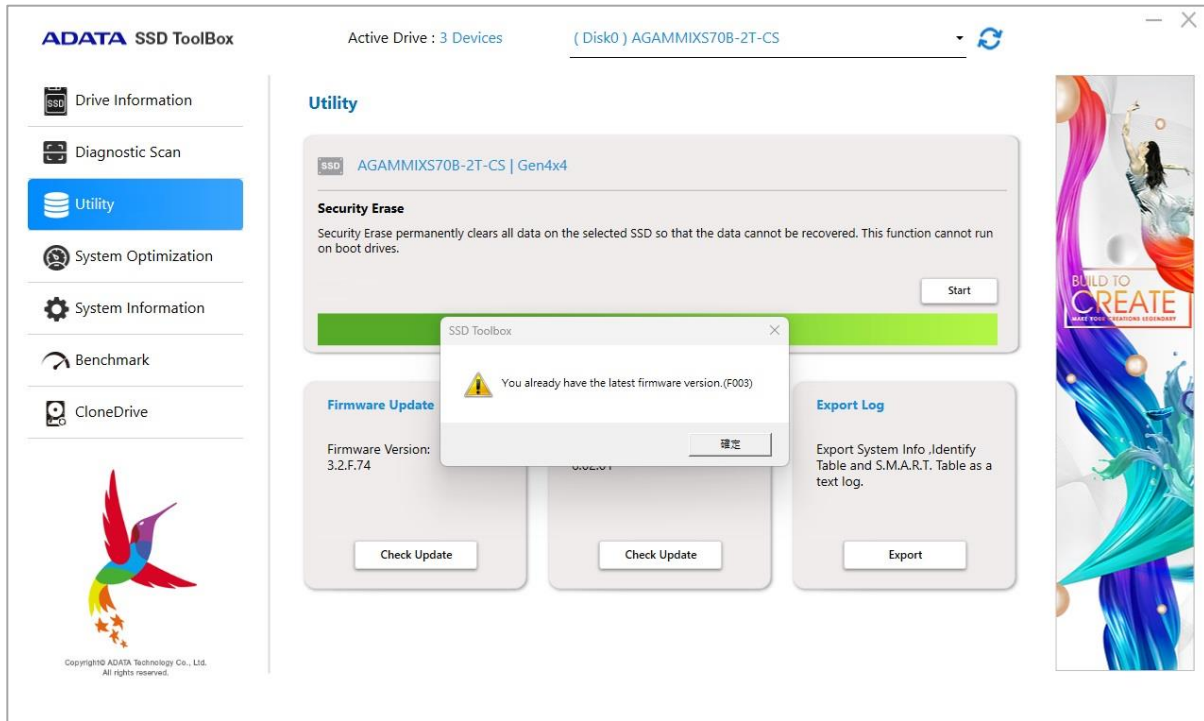


- *This action will delete all data on the drive, and restore the drive to its factory default.*
- *Running Security Erase will reduce the lifespan of the drive. Use this function only when necessary.*



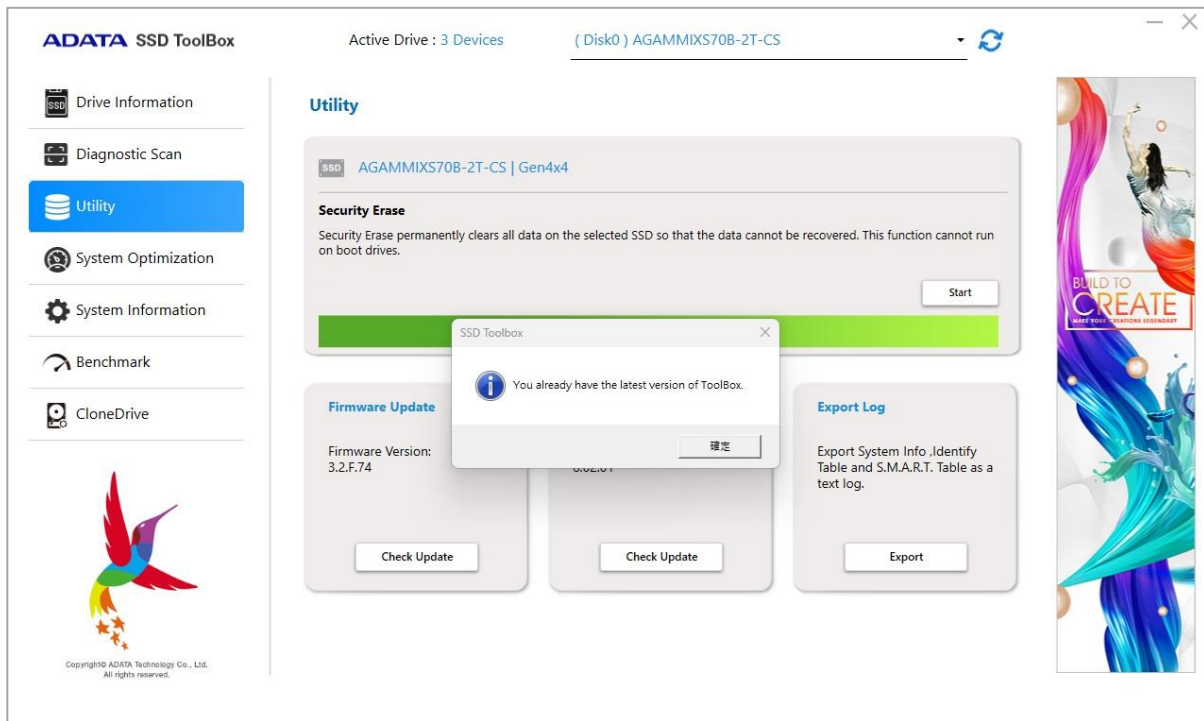
FW Update

It will link to the corresponding download page for the SSD Firmware directly, allowing you to download the latest FW version.



Toolbox Upgrade

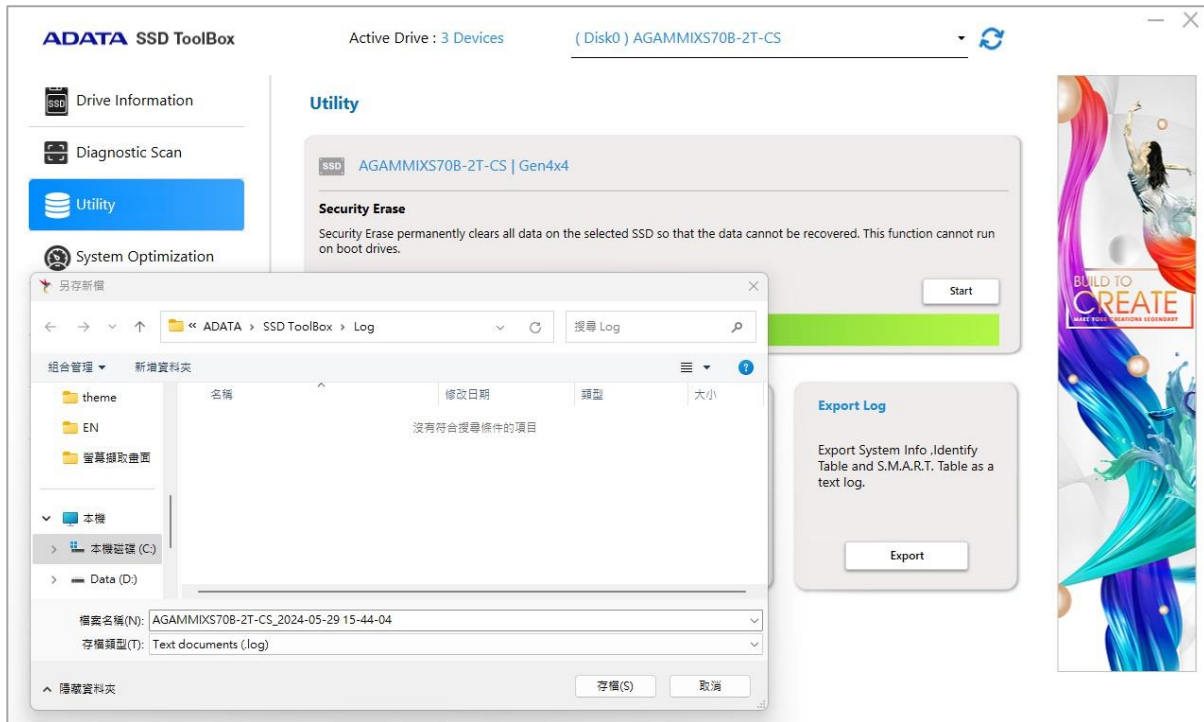
Click the CHECK UPDATE button to download the latest version of this software.





Export Log

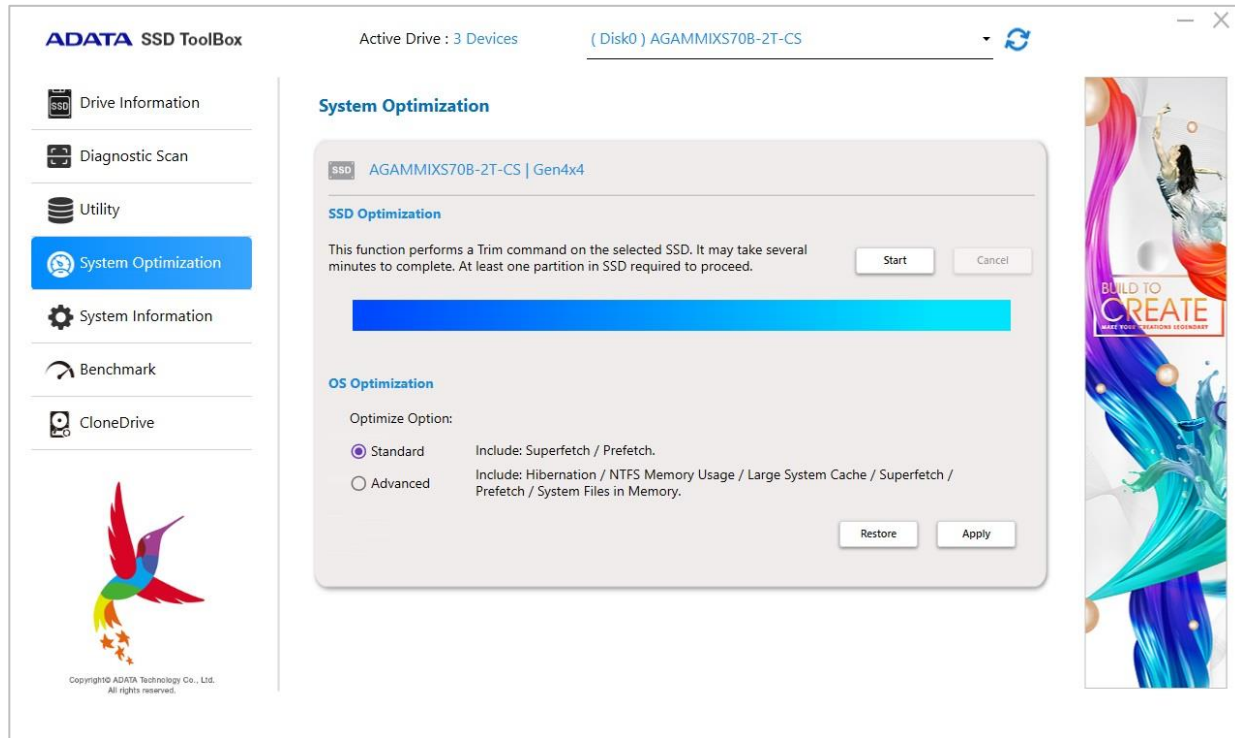
Click the Export button to download System Info, Identify Table and S.M.A.R.T. Table as a text log.





System Optimization

There are two way to optimize the selected SSD : **SSD Optimization** and OS Optimization.



SSD Optimization

SSD Optimization provides Trim service on free space of selected drive.

*It is recommended to run SSD optimization once a week.

OS Optimization

Standard – Some settings will be changed for Basic OS Optimization, including Superfetch, Prefetch, and Automatic Defragmentation.

Advanced – Some settings will be changed for Advanced OS Optimization including Hibernation, NTFS Memory Usage, Large System Cache, Superfetch, Prefetch, and System File in Memory.



System Information

Displays current system information, links to seek official help, user manual download (SSD Toolbox), and SSD product registration.

The screenshot shows the ADATA SSD Toolbox interface. The top bar indicates 'Active Drive : 3 Devices' and '(Disk1) ADATA LEGEND 850'. The left sidebar contains navigation options: Drive Information, Diagnostic Scan, Utility, System Optimization, System Information (highlighted), Benchmark, and CloneDrive. The main content area is titled 'System Information' and displays the following details:

Current version	6.02.01
OS:	Microsoft Windows 11 家用版 64 位元
CPU:	13th Gen Intel(R) Core(TM) i9-13900KF
Usable RAM:	16192 MB
Base Board Model:	PRIME Z790-A WIFI
Base Board Vendor:	ASUSTeK COMPUTER INC.
BIOS version:	0602

Below the system information, there are three action buttons: 'Help' (Find way to help and troubleshoot problems.), 'User Manual' (Download the detailed operation guide book.), and 'Register Link' (Register your ADATA SSD to have full access to download free software and more detailed support!). Each button has a 'GO' button below it.

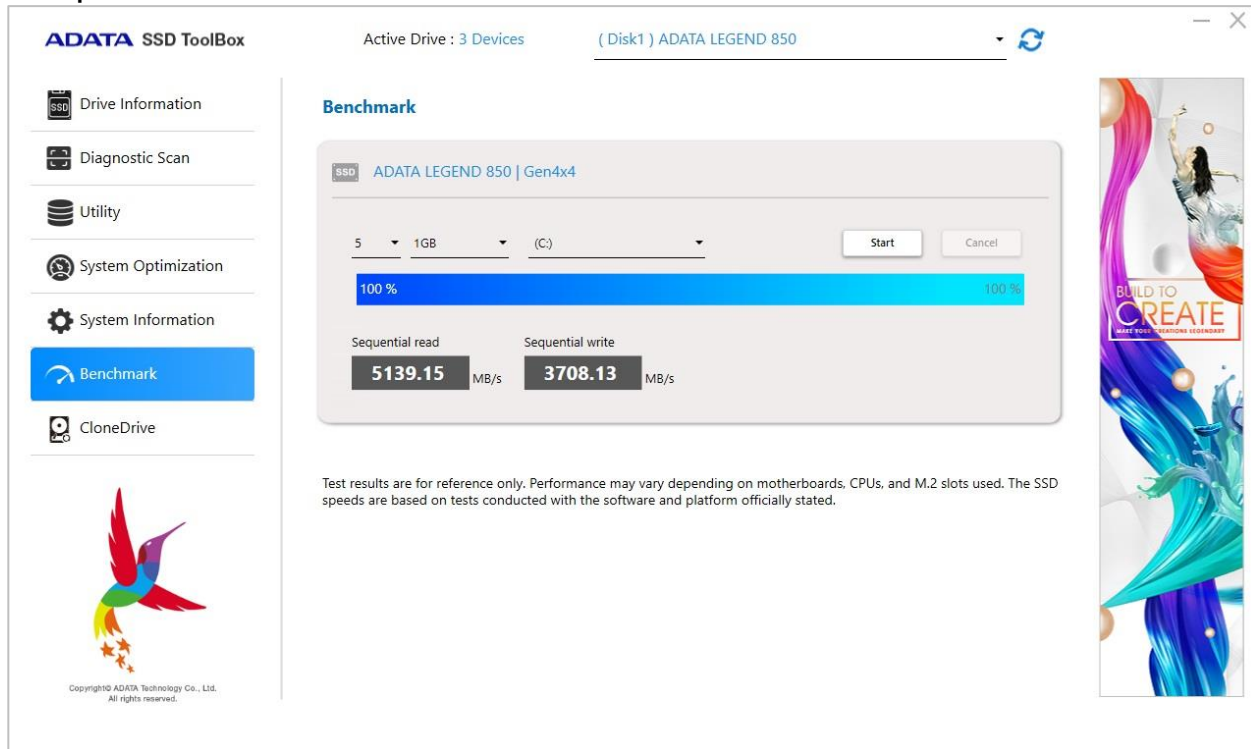
On the right side of the interface, there is a vertical banner with the text 'BUILD TO CREATE' and 'HELP BUILD YOUR DREAMS TODAY'.

At the bottom left, there is a small ADATA logo and the text: 'Copyright© ADATA Technology Co., Ltd. All rights reserved.'



Benchmark

The Benchmark function allows you to perform read and write tests on ADATA SSDs. Press the Start button on the right and wait a few seconds for the test to complete.



- 1: Select the drive to be tested
2. Number of tests.
- 3: Start test
- 4: Progress display
- 5: Performance test result of SSD

Notice

- *Test results are for reference only.*
- *Performance may vary depending on motherboards, CPUs, and M.2 slots used.*
- *The SSD speeds are based on tests conducted with the software and platform officially stated.*



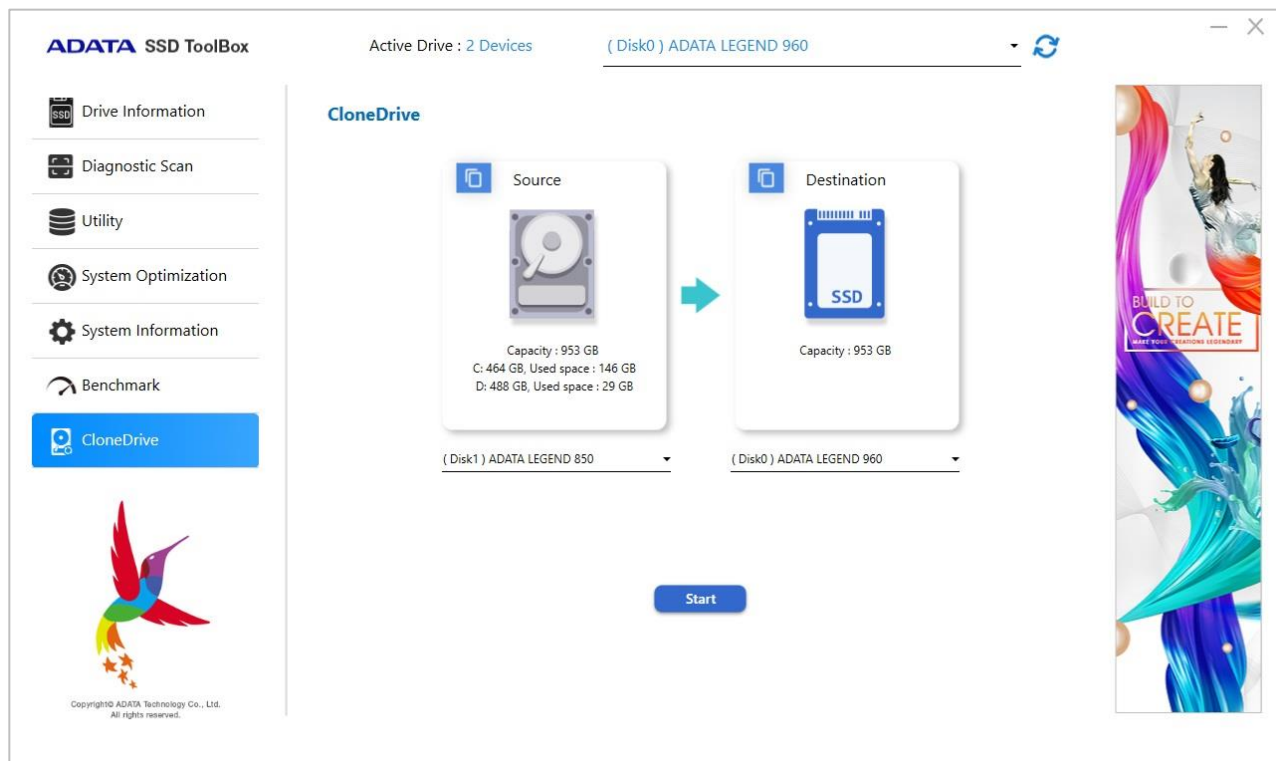
CloneDrive

The CloneDrive function allows you to synchronously backup data in different partitions in the local drive to other drives according to their needs.

Notice

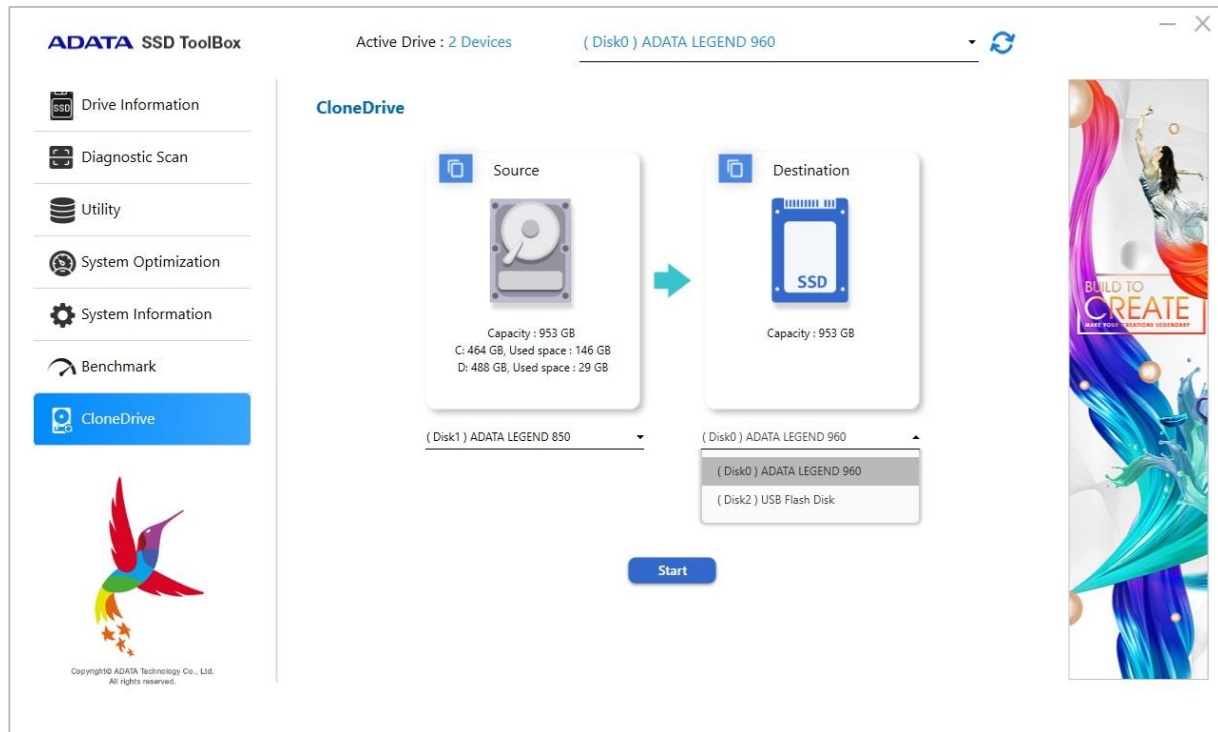
- *The source drive can be a non-ADATA branded one, and the target drive must be an ADATA one to start the function.*
- *Cloned to the SSD, the 4K alignment will be done automatically, which will not affect the transmission efficiency after disk cloning.*
- *After Clone is completed, the original source drive must be unplugged first, and then the target hard disk must be connected in order to boot smoothly without reinstalling the operating system.*
- *The source drive and the target drive cannot be used for booting at the same time, otherwise the system will not be able to interpret it. Therefore, the source drive must be taken to another host to delete the boot volume before it can be used on the original host.*

Step 1. Select source drive(Disk1)

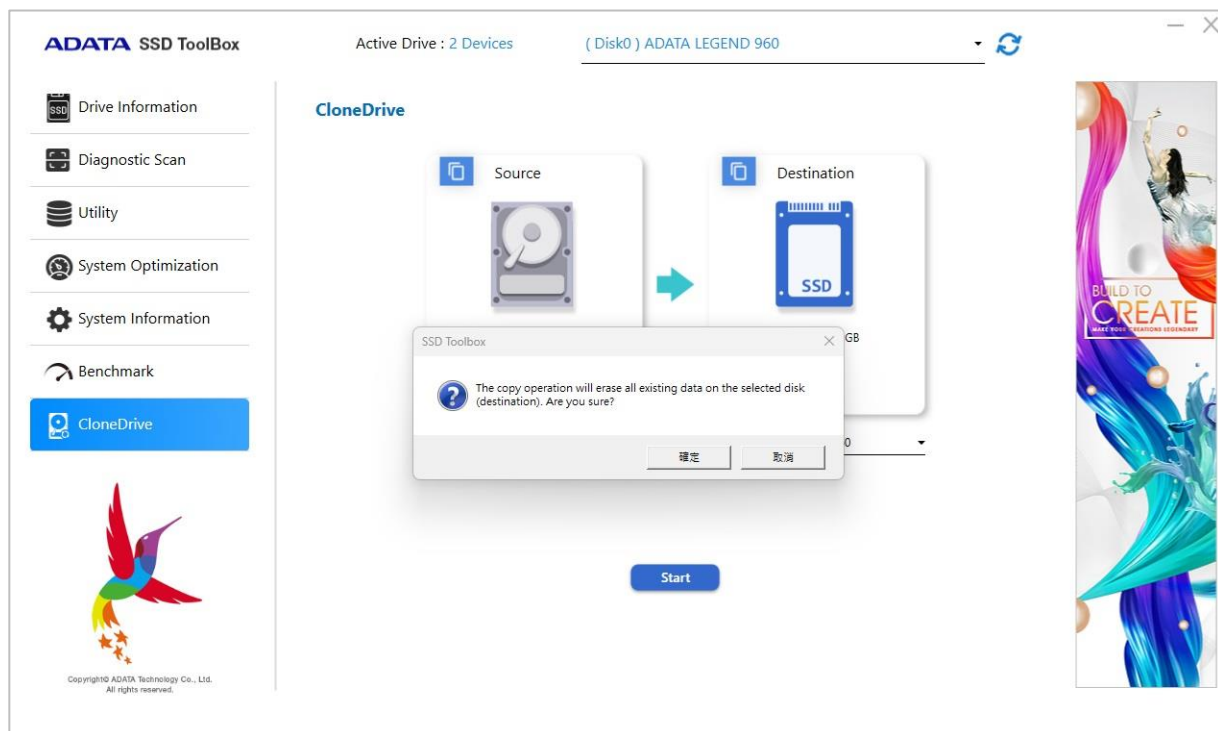




Step 2. Select Target Drive(Disk0)

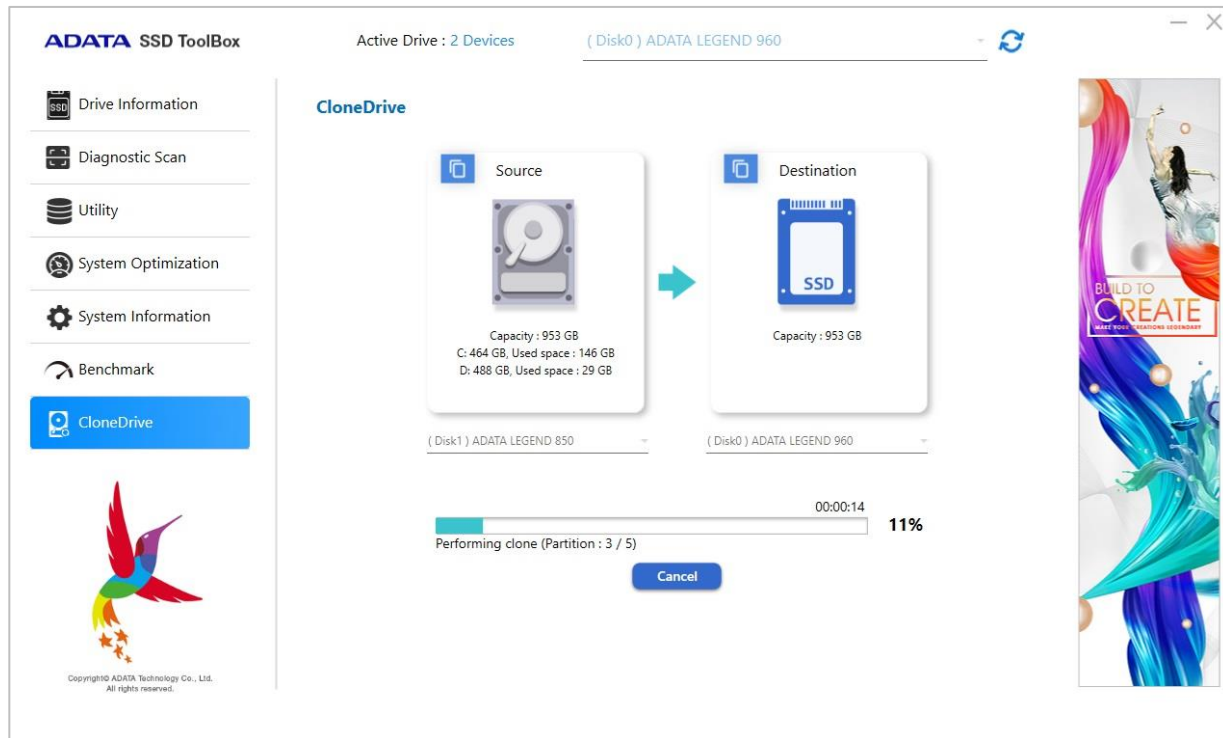


Step 3. Confirm





Step 4. Cloning





Q&A

If there is some problem when using the toolbox, please contact our service center via <https://www.adata.com/en/support/>