

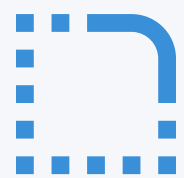


USER MANUAL

# SSD Optimizer

# Welcome to Auslogics SSD Optimizer

This is your guide to one of the most effective optimizers in the world that lets you:



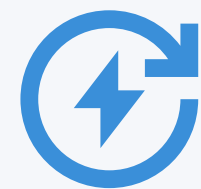
Optimize SSDs using special algorithms



Analyze your drive's status



Improve space management by locating cached and other unneeded files



Schedule automatic optimization to keep your SSD in top shape at any time

Here is a brief overview of the features that allow the program to optimize and improve your system performance:

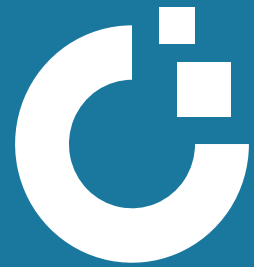
FEATURE	DESCRIPTION
Minimizes write operations	Extends SSD lifespan by reducing write cycles through maintenance, task adjustments, and streamlined file operations.
Free space consolidation	Rearranges free space to create larger contiguous blocks, improving write performance and extending lifespan.
Optimizes file operations	Efficiently handles saving, moving, and deleting files to lessen the SSD's write burden.
Tweaks the system	Enhances performance by optimizing system settings and core operations, minimizing data writes.
Manages system services	Controls background processes to prevent excessive write activities, preserving SSD health.
Data block management	Informs SSD which data blocks are no longer in use, helping maintain performance and longevity.
Reduces unnecessary writes	Disables indexing to lower write operations, as SSDs have faster access times and indexing provides negligible benefits.
Detailed analysis	Analyzes SSD contents and displays a list of folders by size, helping manage storage space effectively.
Real-time monitoring	Displays real-time data on read and write operations, showing data transfer in megabytes.
Track metrics	Monitors total data read/written, operational time, and power cycles.
Scheduled optimization	Offers a scheduler for automatic optimization, either at specified times or during PC idle state, ensuring consistent performance.

# Installing SSD Optimizer



- 1 Launch the installer by double-clicking on the downloaded file.
- 2 You can leave the installation options as they are or customize them on this page.
- 3 Click the links to review the End User License Agreement (EULA) and Privacy Policy, then click the **"Agree and install"** button to start installation.

Auslogics SSD Optimizer



# Installation Complete

Thank you for installing Auslogics SSD Optimizer

Launch SSD Optimizer

**Finish**



Make sure the checkbox to launch SSD Optimizer is checked and click the **“Finish”** button to complete installation.



# Free vs. Pro

SSD Optimizer comes in two versions: Free and Pro. The Free version offers essential disk optimization, free space consolidation functionality, and access to advanced statistics and the Disk Explorer feature. The Pro version provides advanced features that let you schedule automatic defragmentation, clean out junk files, customize program algorithms, and more. This table should give you an idea of what you can expect from each version.

When using the Free version, you will see all Pro features marked with the yellow tag. This should give you a good idea of what you can get if you upgrade. The rest of this manual will talk about both Free and Pro version features in more detail.

	FREE	PRO
Wipe free space to prevent unauthorized file recovery	×	✓
Clean out junk files to free up disk space	×	✓
Customize program algorithms to fit your needs	×	✓
Schedule automatic SSD scan & optimization	×	✓
Ask a Question option for live expert answers	1 question	3 questions

## ! NOTE

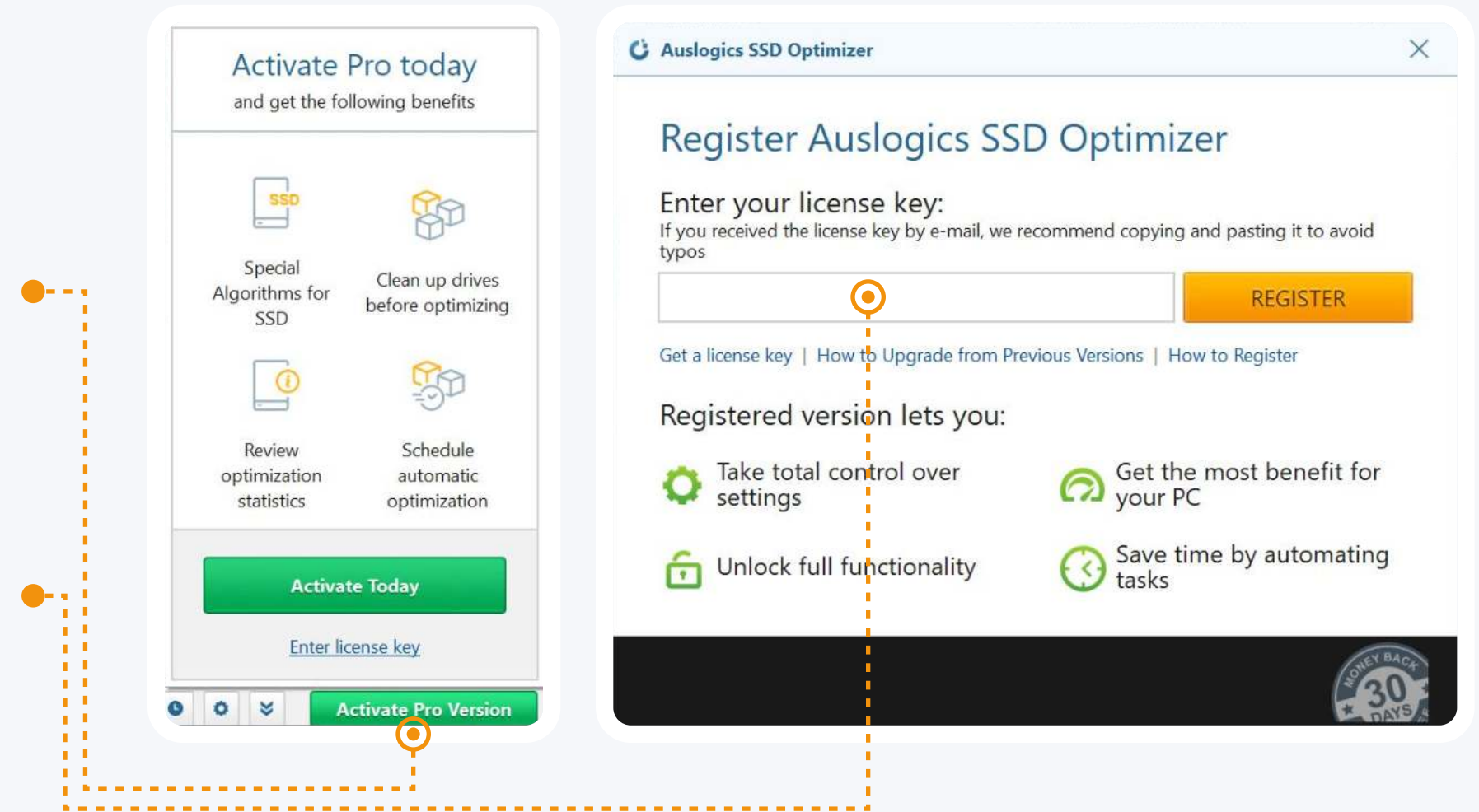
Auslogics has a specialized tool for defragmenting and optimizing HDDs—[Disk Defrag](#)—which offers dedicated maintenance and support for your hard drive. If you have both drive types, Auslogics offers [Disk Toolkit](#), a bundle that features both tools at a special price.

# Registering SSD Optimizer Pro

To unlock and use all of the Pro features, you need to upgrade your SSD Optimizer Free to the Pro version. Here is how to do that:

Hover your mouse over the **“Activate Pro Version”** button at the bottom-right of the program window (do not click). This will open a popup with two options for you to click. The **“Activate Today”** button takes you to a web page where you can purchase a license key (you can also reach this page by simply clicking the **“Activate Pro Version”** button without bringing up the popup).

Right below the **“Activate Today”** button in the popup, you see the **“Enter license key”** link—click it when you’ve already purchased a license and received a license key via email. This will bring up a small window with the field to enter your key in. Copy the license key from the confirmation email. Then, go back to SSD Optimizer, paste the key into the registration field, and click **“Register.”**

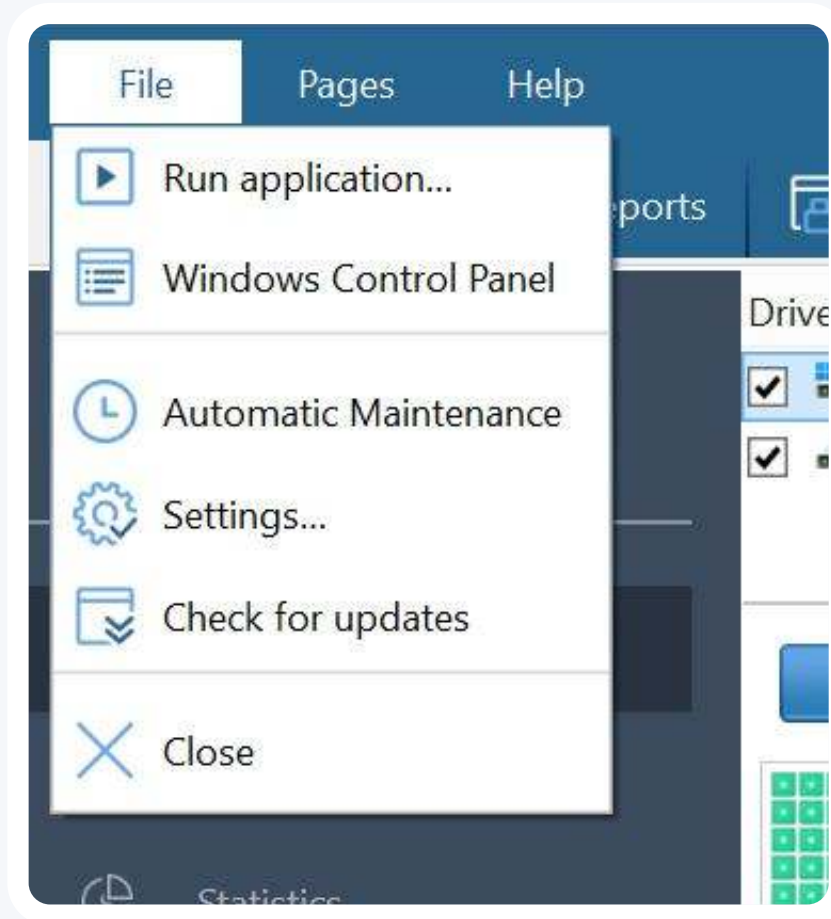


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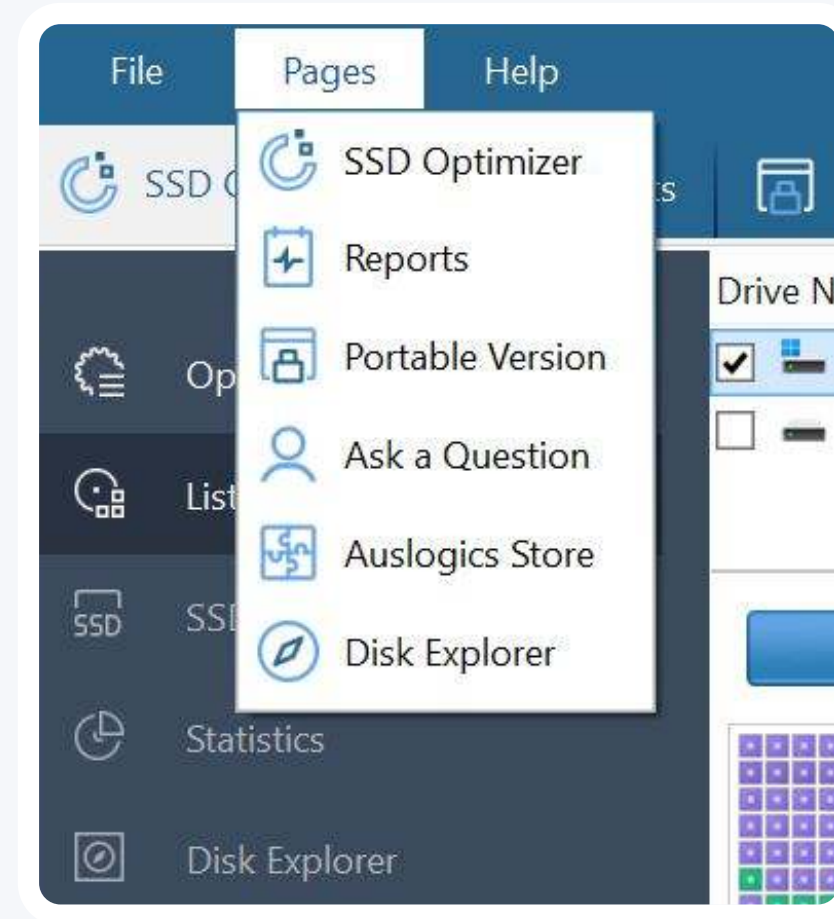
When you place your order online and complete the payment, a confirmation message is sent to you via email to the address you provide during checkout. You will be getting two messages: one containing your invoice and the other with your license information. If you don't see the message(s), please check your spam/junk mail folder before contacting technical support. A common reason for not receiving an order confirmation is typos made in the email address, so be sure to double-check your contact info when placing an order.

# main menu

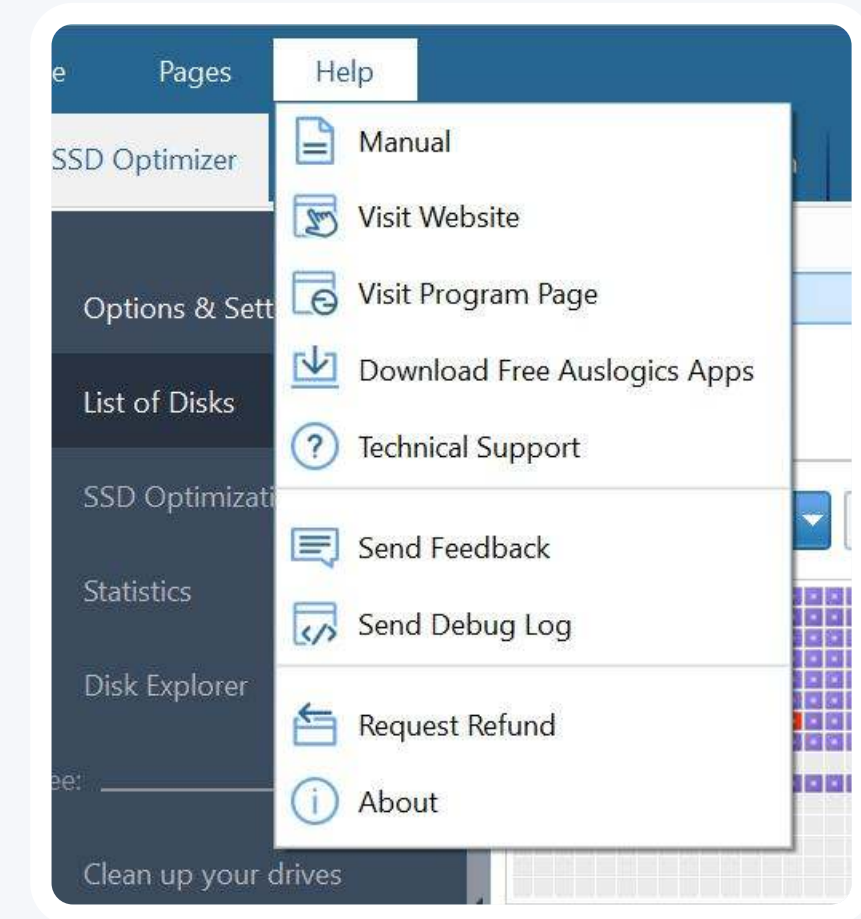
The main program menu is located at the very top of the program window and gives you three drop-down lists of shortcuts to almost every SSD Optimizer feature.



The **File** menu contains the main options that let you quickly run any program or open a website by simply typing its name or address in a popup window, access Control Panel, schedule maintenance, open Settings, or check for updates.



The **Pages** menu lets you quickly switch between tabs.



The **Help** menu lists the options you have for getting information about the program or assistance with it.



# Main Window and Navigation

When you open SSD Optimizer, the main program window opens on the SSD Optimizer tab.

At the very top of the window, you see the main menu that lets you navigate through the program, easily access various features, or find help info (see the Main Menu section above for details).

Right below the main menu, you see the tabs that let you switch between the program's sections. We'll be looking at each tab in more detail further in this guide. On the left, you see the navigation panel that lets you go through the program's functionality and apply all of its features for maximum drive performance.

Drive Name	Fragmented	Size	Free Space	File System	Type	Scheduled	Health	Status
✓ Acer (C:)		952.75 GB	740.44 GB	NTFS	SSD	*	98%	Ready

ID	Attribute Name	Value	Worst	Threshold	Raw Data	Status
01	Critical Warning	0	0	0	0	✓ OK: Always Passes
02	Composite Temperature	0	0	0	98°F	✓ OK: Always Passes
03	Available Spare	0	0	0	100	✓ OK: Always Passes

## The items you see in the main section of the navigation panel are:

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**Options & Settings:** the main control for your optimizations (see Using SSD Optimizer for details).

**List of Disks,** which lets you select disks to optimize and review results.

**SSD Optimization,** which offers special algorithms for processing SSD drives that help extend the drive's service life.

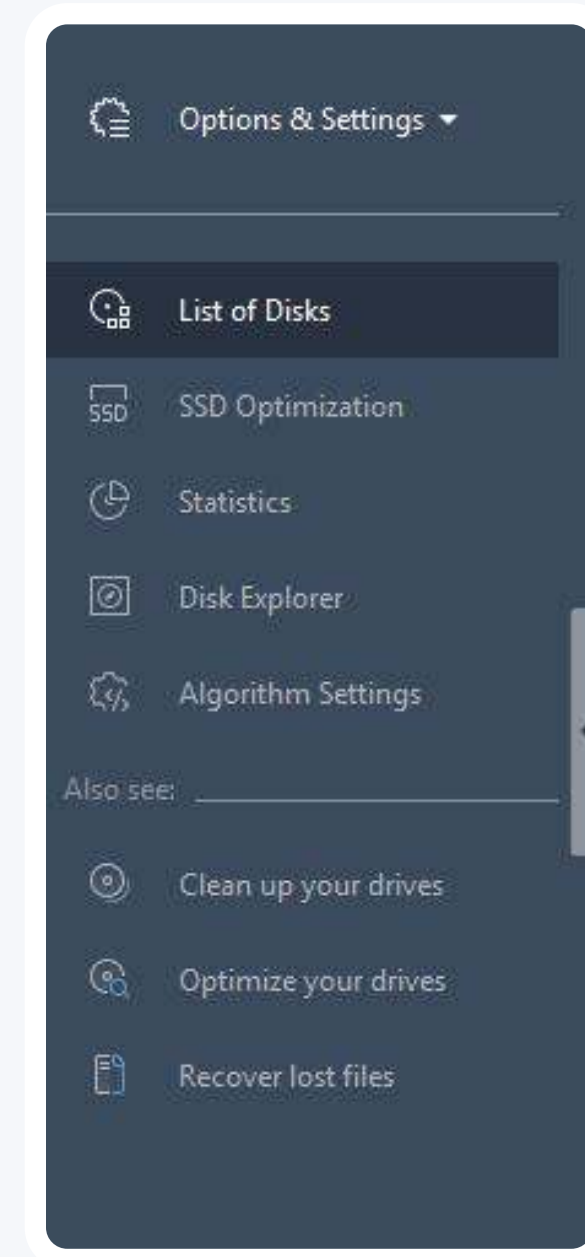
**Statistics,** which provides you with detailed information on your SSD's performance and usage patterns.

**Disk Explorer,** which lets you analyze your drive's content and locate biggest space hogs.

**Algorithm Settings,** which lets you manually configure SSD optimization settings.

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Right below, you see recommended options that link to Auslogics Store entries (see the Auslogics Store section further in this guide). Click on the task you would like to accomplish, such as "**Clean up your drives**" and get a software recommendation to help you do the job.



# Using SSD Optimizer

Besides optimizing your SSD drive, SSD Optimizer offers various tools that help improve data access speed even further. To ensure maximum optimization effect, get familiar with the program's functionality before using it.

The first screen you see when you launch SSD Optimizer displays the list of your drives at the top, the cluster map right below it, and details on drive status in the lower part of the window. Click on a drive to select it and have detailed information about it displayed below.

The tabs let you switch between general information, the list of files located on the drive (shown after disk analysis), technical details for the disk, and its health status.

The cluster map provides a clear picture of the fragmentation on the selected disk.

Drive Name	Fragmented	Size	Free Space	File System	Type	Scheduled	Health	Status
<input checked="" type="checkbox"/> Acer (C:)		952.75 GB	740.44 GB	NTFS	SSD	*	98%	Ready

ID	Attribute Name	Value	Worst	Threshold	Raw Data	Status
01	Critical Warning	0	0	0	0	OK: Always Passes
02	Composite Temperature	0	0	0	98°F	OK: Always Passes
03	Available Spare	0	0	0	100	OK: Always Passes

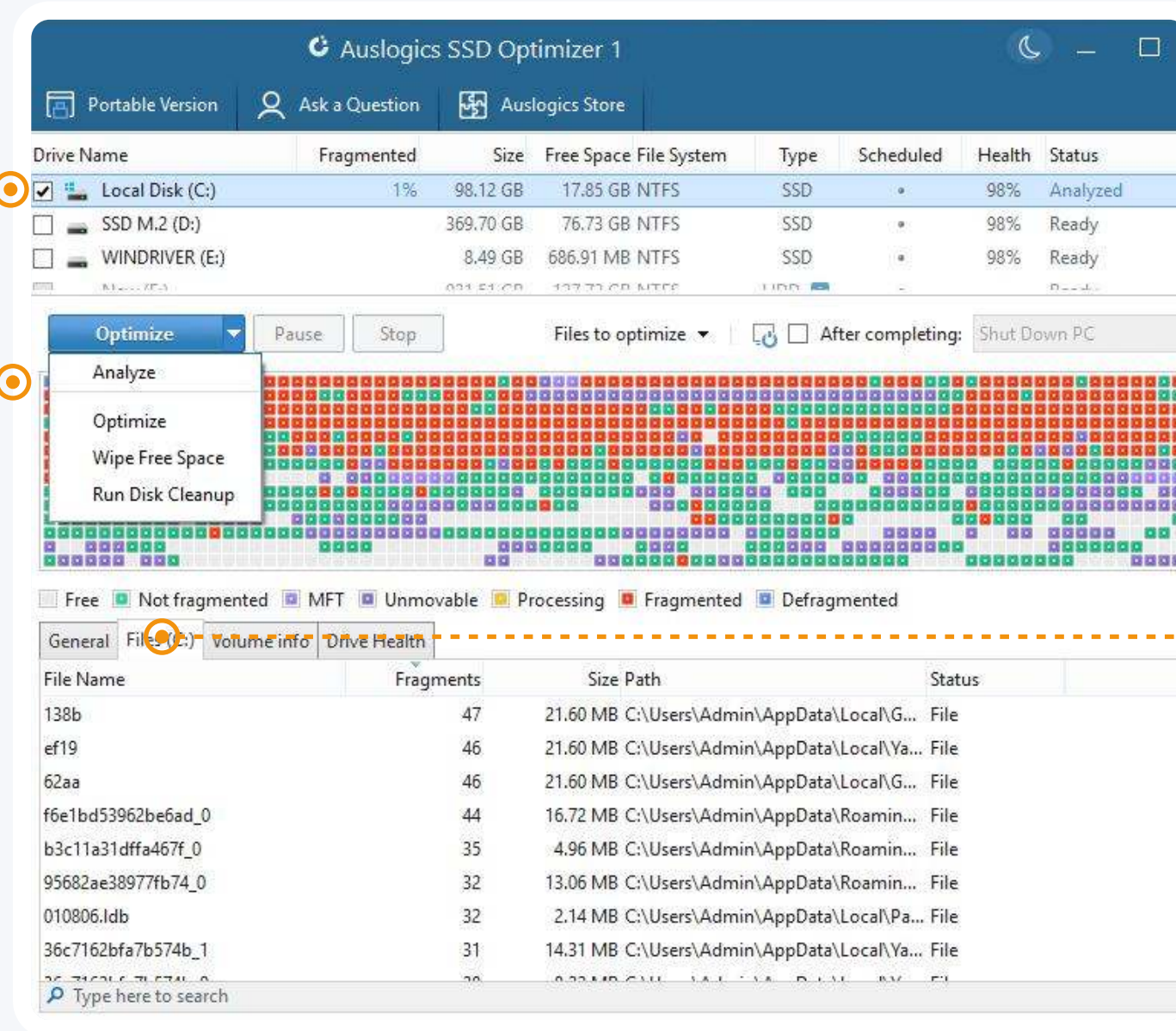
## Using SSD Optimizer

# Analyze drives

Before you launch optimization, disk analysis is recommended. It reads disk information and shows you a true picture of the disk's condition and recommended actions.

To perform disk analysis, follow these steps:

- 1 In the list of disks, select the disk you would like to analyze by checking the box next to its name.
- 2 Click on the arrow on the “**Optimize**” button below the list and select “**Analyze**” from the drop-down menu. While the operation is underway, its current status is shown below the cluster map, as well as in the disks list next to the name of the disk being analyzed.
- 3 Upon completion, analysis results will be displayed below the cluster map.



You can switch to the **Files** tab to view a list of fragmented files and, if desired, select the files you want to optimize individually.

When you select a file from the list, the location of its fragments will be highlighted on the cluster map. Clicking on a block on the cluster map will produce an additional tab—**Selected Files**—which will let you view a list of files in the block that you selected on the map.

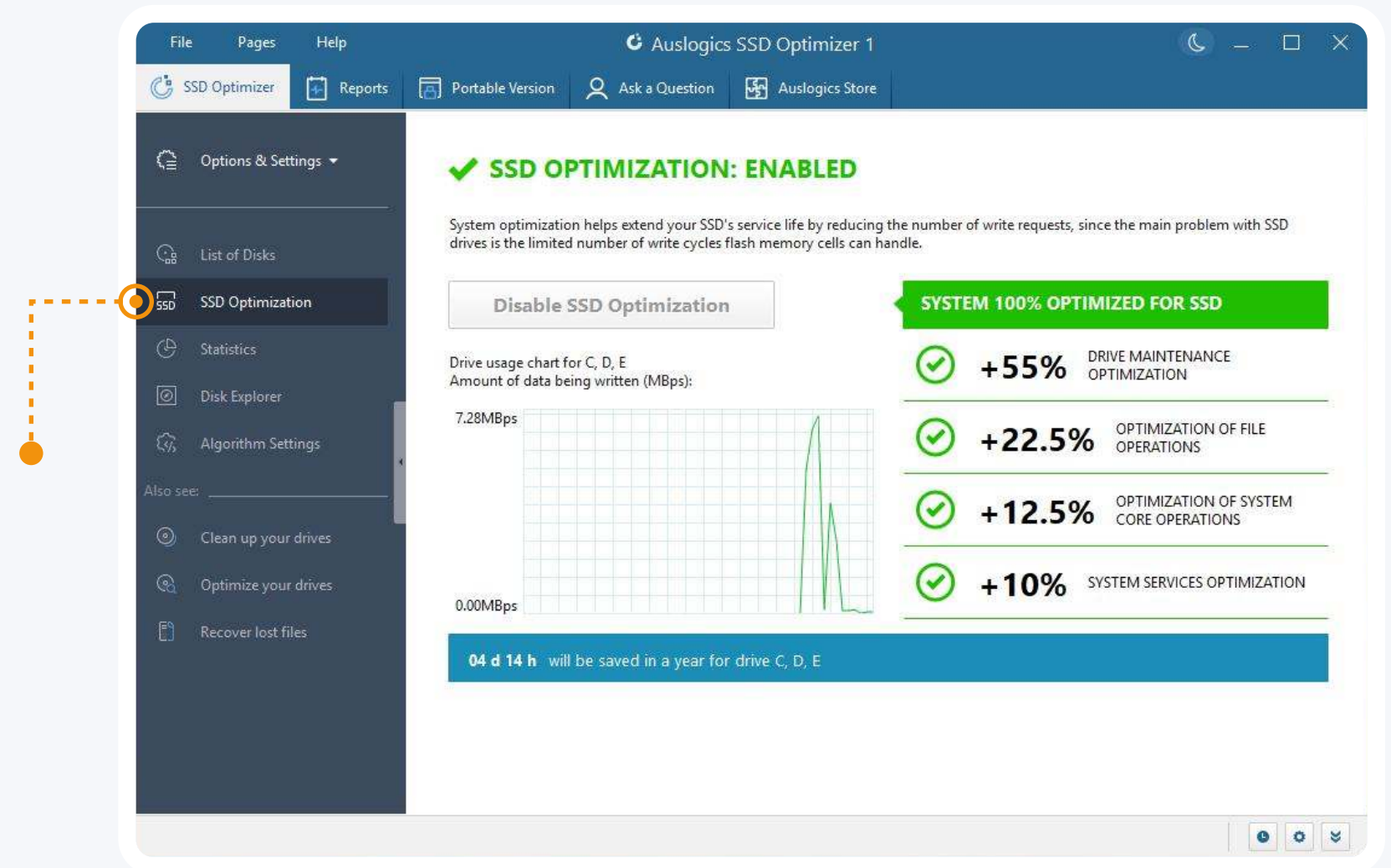
## Using SSD Optimizer

# Optimize drives

SSD Optimization allows you to keep your SSD in top shape.

The SSD Optimization feature in Auslogics SSD Optimizer is designed to extend the lifespan of your SSD by minimizing the number of write operations. This is crucial because SSDs have a finite number of write cycles that their flash memory cells can endure. This feature can be toggled on or off according to your preference. When enabled, it ensures that your SSD remains in optimal condition through the following methods:

- 1 It adjusts and schedules maintenance tasks to minimize write operations, ensuring that the SSD is kept in optimal condition without unnecessary wear and tear.
- 2 It streamlines file operations such as saving, moving, and deleting files to reduce the write burden on the SSD. This includes efficient handling of temporary files and system caches.
- 3 It tweaks system settings and core operations to enhance overall performance while reducing the frequency and volume of data written to the SSD.
- 4 It manages system services and background processes to prevent excessive write activities, which can degrade the SSD over time.



When you click “**Optimize**” under the “**Optimize**” button, the tool applies several optimization techniques:

### FREE SPACE CONSOLIDATION

Free space consolidation is the process of rearranging free space on an SSD to create larger contiguous blocks of available space, which helps improve write performance and extend SSD’s lifespan.

### TRIM

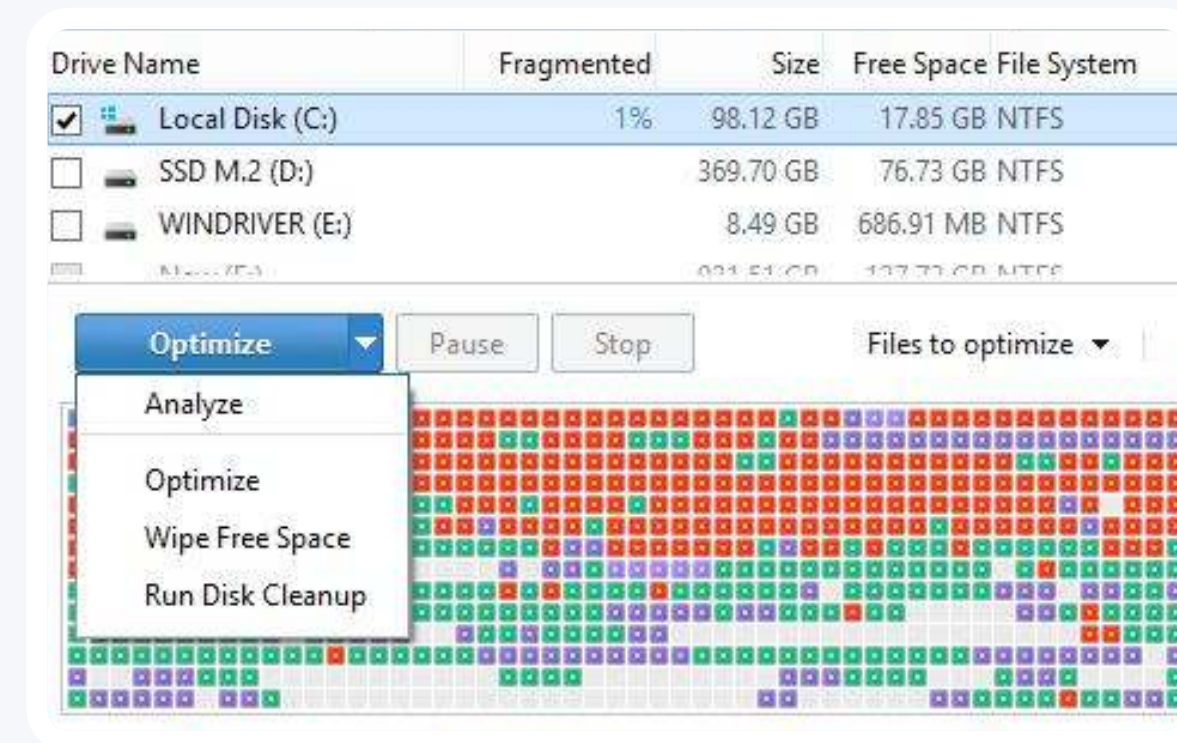
Trimming allows an operating system to inform an SSD which blocks of data are no longer considered in use and can be wiped internally. This process helps maintain the SSD’s performance and longevity by ensuring that the drive can efficiently manage its storage space.

### SMART DEFRAGMENTATION

The tool performs a “gentle” defragmentation of small files and highly fragmented files. The merging of fragments is done selectively for small fragments only. This process reduces the number of input/output operations, leading to improved SSD performance for both read and write tasks and extending its lifespan.

#### NOTE

Alternatively, you can launch operations on selected drives by clicking the “**Options & Settings**” link on the left-side navigation panel and choosing what you would like to do with the drive(s) from the drop-down list of options.



To perform disk optimization, follow these steps:

- 1 In the list of disks, select the disk you would like to optimize by checking the box next to its name.
- 2 Click on the arrow on the “**Optimize**” button and select “**Optimize**” from the drop-down menu. This will launch optimization. While the operation is underway, its current status is shown in the main pane, as well as in the disks list next to the name of the disk being optimized.

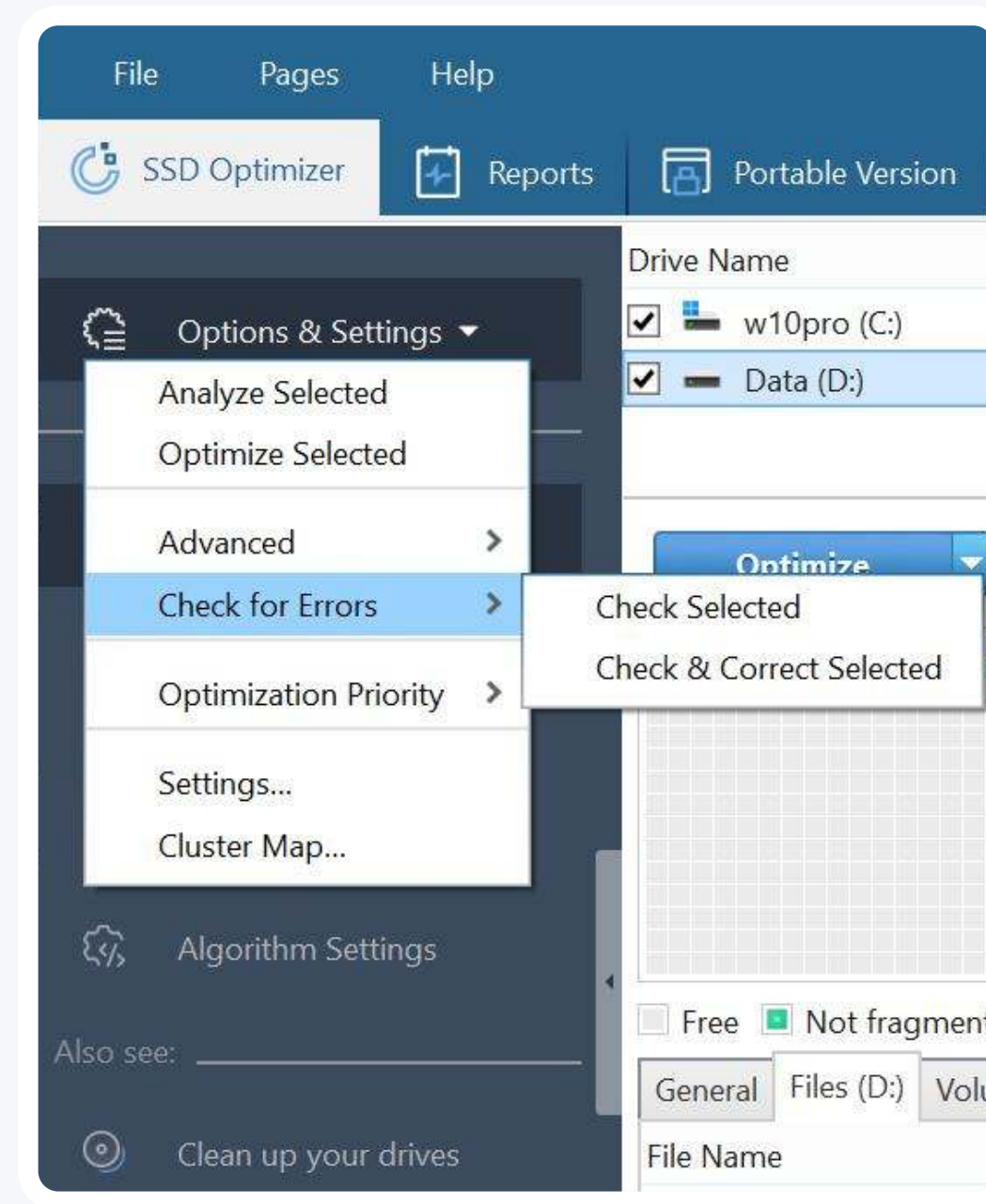
# Check disks for errors

Before you launch optimization, it is a good idea to check your disks for errors.

Whenever a disk has errors, there is a risk that data may get corrupted during optimization. By checking for errors and fixing any errors that are found, you ensure that no data will get lost or corrupted when you launch optimization.

## NOTE

You can use the “**Options & Settings**” link on the left-side panel to perform other operations on your disks and to adjust program settings.



To check a disk for errors, follow these steps:

- 1 In the list of disks, select the disk you would like to scan for errors by checking the box next to its name.
- 2 Click on the “**Options & Settings**” link on the left-side navigation panel and choose the “**Check for Errors -> Check Selected**” option. This will launch the Windows Check Disk tool (CHKDSK).
- 3 If errors were found during the check, you should try fixing them before you proceed to optimize the disk. To do this, click on the “**Options & Settings**” link on the left-side navigation panel and choose “**Check for Errors -> Check & Correct Selected.**”

## Using SSD Optimizer

# Statistics

The Statistics feature provides you with detailed insights into the performance and usage patterns of your SSDs.

The information you see in **Statistics** can help you understand the workload and health status of your drives, ensuring optimal performance and longevity. Here, you can:

- 1 View real-time data on read and write operations, showing the amount of data being transferred in megabytes.
- 2 Track various metrics, including total data read and written, overall operational time, and the number of power cycles.
- 3 Select the period for which you wish to view statistics, ranging from the current date to the past year.
- 4 View the health and estimated lifespan of your SSD.

SSD Optimizer gathers and updates statistical data only while it's running (actively or in the background), so don't close the program if you want to collect data continuously.

The screenshot displays the Auslogics SSD Optimizer 1 interface. The top navigation bar includes 'File', 'Pages', 'Help', and the application name 'Auslogics SSD Optimizer 1'. Below this, there are links for 'SSD Optimizer', 'Reports', 'Portable Version', 'Ask a Question', and 'Auslogics Store'. The left sidebar contains a menu with 'Options & Settings', 'List of Disks', 'SSD Optimization', 'Statistics' (highlighted), 'Disk Explorer', and 'Algorithm Settings'. Under 'Also see:', there are links for 'Clean up your drives', 'Optimize your drives', and 'Recover lost files'. The main content area shows a drive 'UMIS RPJTJ512MEE1...' with a green checkmark, indicating it is selected. It lists 'Volumes: C: D:' and 'Free: 322,01 GB'. To the right, a summary for 'UMIS RPJTJ512MEE10WX' shows 'Disk space: 476,94 GB' and 'Free space: 322,01 GB'. A line graph for 'Today' shows 'Data read: (18,94 GB)' and 'Data written'. Below the graph is a 'List of disk volumes' section with a donut chart showing 'w10pro (C:)' at 110,69GB / 210GB and 'Data (D:)' at 43,31GB. The 'Reliability parameters' section shows 'Available spare: 100%', 'Health: 89%', and 'Estimated lifetime: 16,1 year(s)'. The bottom section is titled 'Sizes/partitions information'.



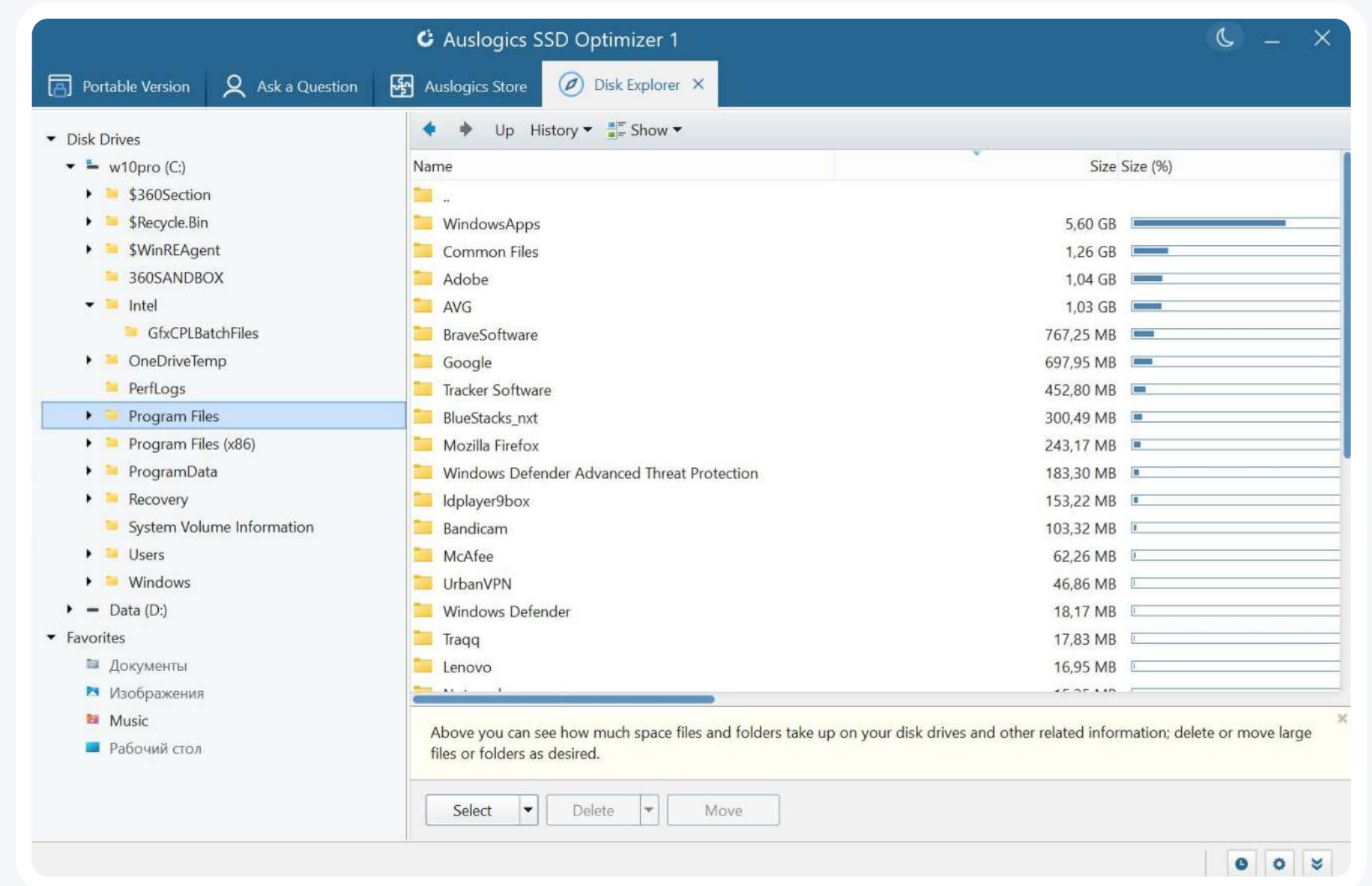
## Using SSD Optimizer

# Disk Explorer

The Disk Explorer feature allows you to analyze disk content and identify largest space hogs.

The **Disk Explorer** feature of SSD Optimizer is designed to help you manage the limited storage capacity of SSDs efficiently. This feature performs a thorough analysis of the SSD's contents and generates a detailed list of folders, displaying their sizes and sorting them from largest to smallest.

You can select any folder and delve deeper into its contents, continuing this process until reaching the lowest level of nested folders. This allows you to identify and manage large files and folders effectively, ensuring optimal use of your SSD storage space.



## Using SSD Optimizer

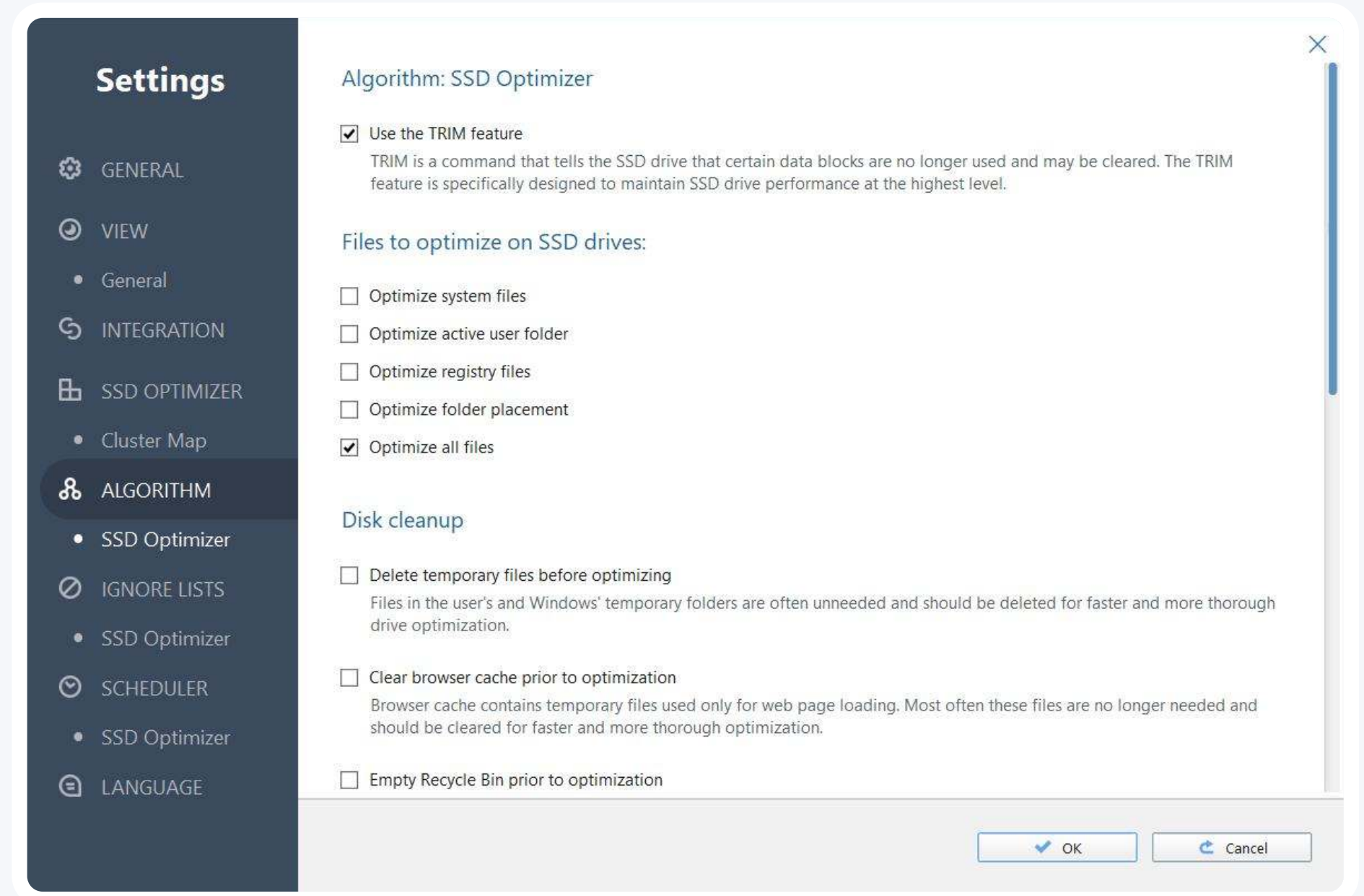
# Algorithm Settings

By selecting Algorithm Settings, you can manually configure SSD optimization settings.

Algorithm Settings allow you to enable or disable the TRIM feature, select file types you want to optimize, configure disk cleanup options, choose the preferred wipe method, and set the maximum operating temperature for your SSD.

### In Algorithm Settings, you can:

- 1 Check the **Use the TRIM feature** box to enable trimming and clear data blocks that are no longer used.
- 2 Specify the file types you want to optimize on your SSD drive or select **Optimize all files** to optimize without exclusions.
- 3 Delete temporary files, cache, or empty the Recycle Bin prior to optimization by checking the appropriate boxes under **Disk cleanup**.
- 4 Select to erase file entries and slack area, and choose the preferred wipe method under **Free space wiping**.
- 5 Set the maximum temperature under **Disk Protection**, upon reaching which the current operation for the drive will be paused or stopped (depending on your choice) to protect it.



# Reports

Using the Reports tab in SSD Optimizer, you can review your current resource consumption and manage operation reports.

On the left side of the screen you can monitor current resource use statistics. This provides a great overview of how your system is handling all the tasks and applications that are currently running on it. If you see extremely high CPU, disk, network, or memory loads, you will know that something might be wrong and will be able to take action.

On the right side, you see a table that lists reports created after every operation. You see the report name, the name of the tool that created it, and the date when the operation ran. The filter above the table lets you search for specific reports by creation time.

Click on a report in the table to select it, then click the **“View Report”** button below the table to view it. Use the **“Delete Reports”** button to delete all reports ever created or just the reports listed above (the ones that match your search filter); you can select the option you want from the drop-down menu that opens when you click on the **“Delete Reports”** button arrow.

The screenshot displays the SSD Optimizer interface. The top navigation bar includes 'SSD Optimizer', 'Reports', 'Portable Version', 'Ask a Question', 'Auslogics Store', and 'Disk Explorer'. Below the navigation bar, an information icon and text state: 'Here you will find current system resource load charts and can view reports on all operations.'

On the left side, there are four resource usage charts:

- CPU (16%)**: A line chart showing CPU usage over time, with a 'Detailed view' link.
- Disks (1 MBps)**: A line chart showing disk activity over time.
- Network (13 KBps)**: A line chart showing network activity over time.
- Memory (94%)**: A line chart showing memory usage over time.

At the bottom of the left panel, there are two buttons: 'Optimize Drivers' and 'Create System Report'.

On the right side, the 'Tool Reports' section is highlighted with an orange border. It contains the following text: 'You can view all reports on all operations, or just reports for a specific time period for a selected tool.' Below this text is a dropdown menu set to 'All'.

The table below the dropdown menu lists reports:

Name	Tool	Date
Report	SSD Optimizer	05.08.2024 9:4...
Report	SSD Optimizer	19.07.2024 10:...
Report	SSD Optimizer	16.07.2024 11:...
Report	SSD Optimizer	09.07.2024 14:...

At the bottom of the right panel, there are two buttons: 'View Report' and 'Delete Reports' with a dropdown arrow.

# Auslogics Store

The Auslogics Store tab lists software programs made by Auslogics or its partners and recommended for your PC.

This is also where you can see special deals and discounts available to you. You can click a button to go straight to an online cart and purchase software using your exclusive discount.

To install and try a recommended program, click the **“Buy now”** button next to it. This will open a window with a brief summary of what the software can do for your PC, and a link to download and install it.

Once a recommended program has been installed, it will show as installed and will have a **“Run”** button and a **“See status”** link next to it.

## NOTE

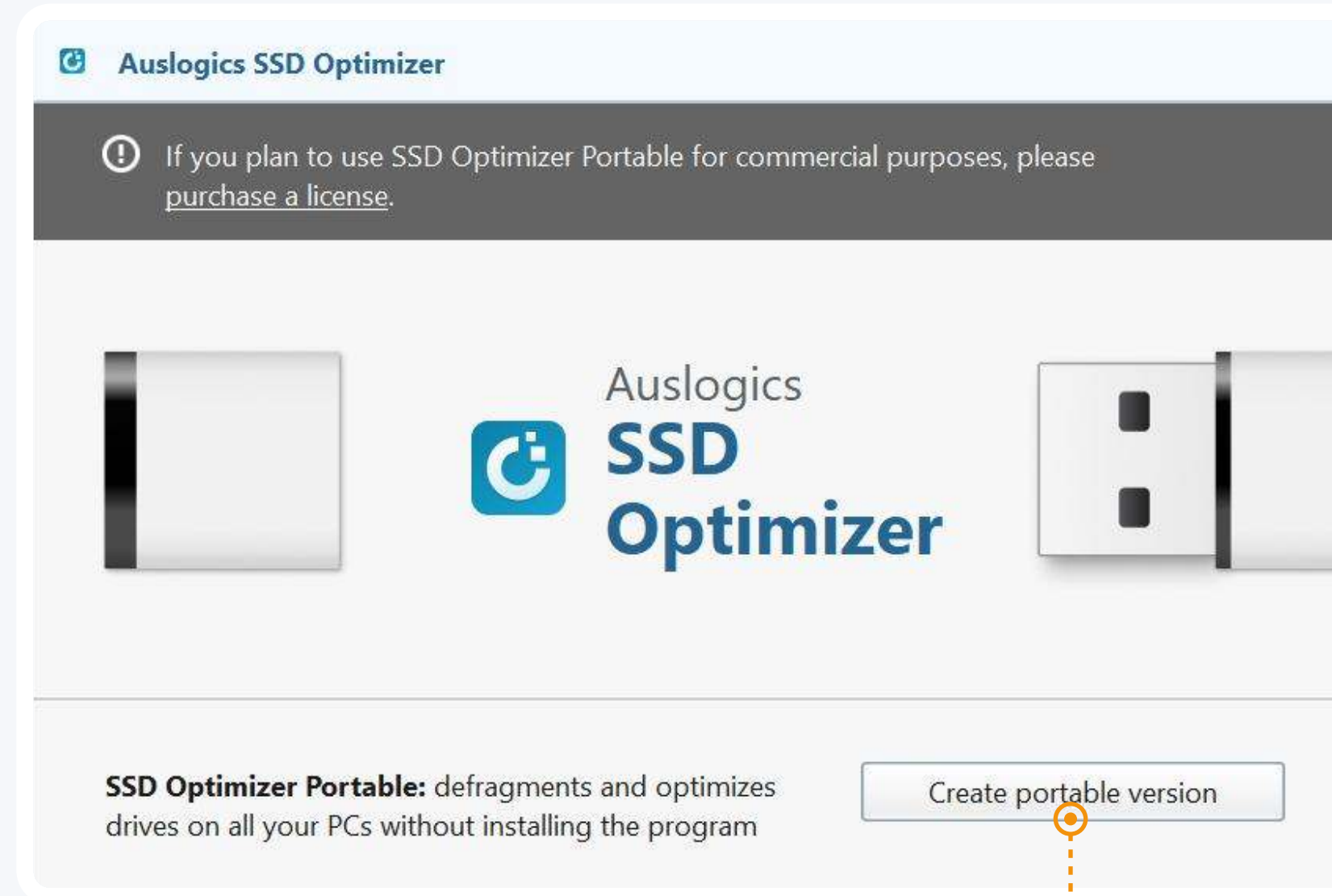
These programs may offer a trial or a free version, but require a license to be purchased for full functionality. Installing or using any of them is completely optional.

The screenshot shows the Auslogics Store interface within the Auslogics SSD Optimizer 1 application. The store is titled "Exclusive offer for registered users only" and lists several software programs for purchase. Each program has a description, a price, and a "Buy now" button. Some programs are marked as "Installed" and have a "Run" button and a "See status" link.

Program Name	Description	Price	Discount	Action
BoostSpeed 13	Clean, tweak and turbo-charge your computer today	\$47.96	20% off (\$59.95)	Buy now
Driver Updater	The best solution for keeping your hardware and devices working smoothly.	\$31.96	20% off (\$39.95)	Buy now
Anti-Malware	Detect threats your antivirus may have missed	Installed	-	Run, See status
Disk Defrag Ultimate	Auslogics Disk Defrag Ultimate is the perfect tool to get your drives working at maximum efficiency	\$23.96	20% off (\$29.95)	Buy now
Disk Defrag	Choice of millions of users worldwide!	\$23.96	20% off (\$29.95)	Buy now
Registry Cleaner	Safe and easy way to restore stability	\$23.96	20% off (\$29.95)	Buy now
Video Grabber	Download, convert and save any video from the web	\$31.96	20% off (\$39.95)	Buy now
Windows Slimmer	A quick way to make your Windows smaller	\$23.96	20% off (\$29.95)	Buy now
File Recovery	Your deleted files are not really deleted.	\$23.96	20% off (\$29.95)	Buy now

# Portable Version

Optimize SSDs on any computer without installing the program. Portable SSD Optimizer version is software that runs from a removable storage device, such as a USB flash drive. It does not need to be installed on the computer to run and does not store data on your system. Instead, you can have all your settings and files related to this software stored on the removable drive. Portable software is lightweight and allows you to easily move the application between computers.



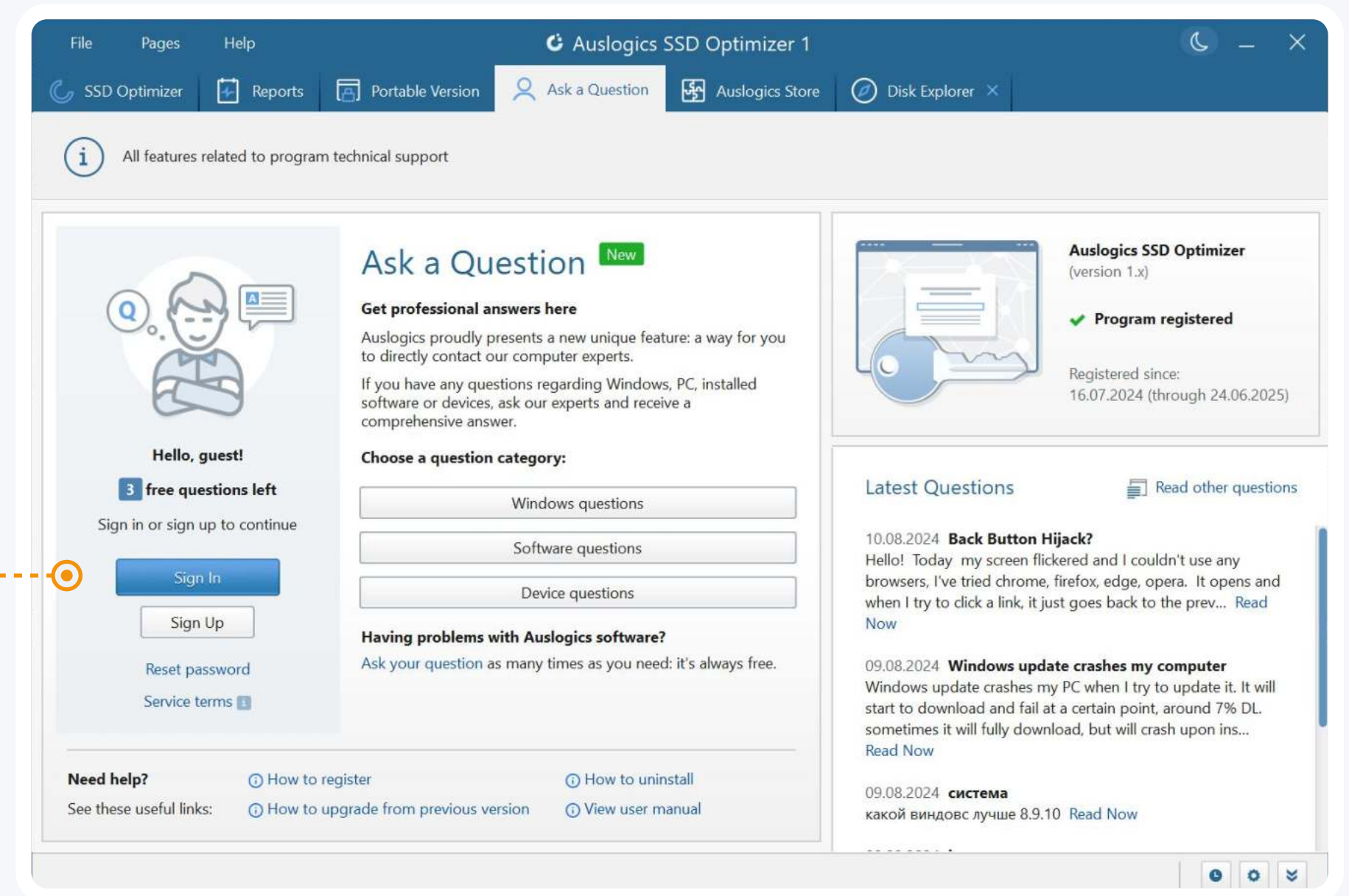
To create a portable version of SSD Optimizer, click on the “**Create portable version**” button and let the program save the files on your PC. Once SSD Optimizer Portable is created, you can locate it by clicking the “**Open folder**” button. Move the file to a USB drive or any other removable storage device and use SSD Optimizer on any PC you want optimized.

# Ask a Question

The Ask a Question tool lets you ask online experts your questions related to using Auslogics software or to getting your PC optimized. You can also browse through other questions and answers there and see if what you need has already been posted before.

To use the feature, you need to get registered by providing your email address and a display name. To do that, click on the **“Sign Up”** button. Click the link, then enter your name or a nickname you’d like to be identified by on forum pages, and hit the **“Register”** button.

Once you click the **“Register”** button, go to your inbox at the address you specified in the form and look for a confirmation message with your automatically generated password. You will need to use that password to log in when you go to ask your question. Return to SSD Optimizer and click the **“Sign In”** button to continue.



Once logged in, click on a category name for your question, which will open a form that will let you fill in your question details. Select the subcategory for your question topic, type in a descriptive subject, and write your question in the big blank field. You can also use the **“Add file”** option to add screenshots or other files to provide more information on the issue you are having. When done, click the **“Send”** button. Your question will be reviewed and posted on the web forum, and you will be able to log in and view answers to your question there.

**Ask a Question - New Question** Creating...

**Category:** Software questions

**Subcategory:**

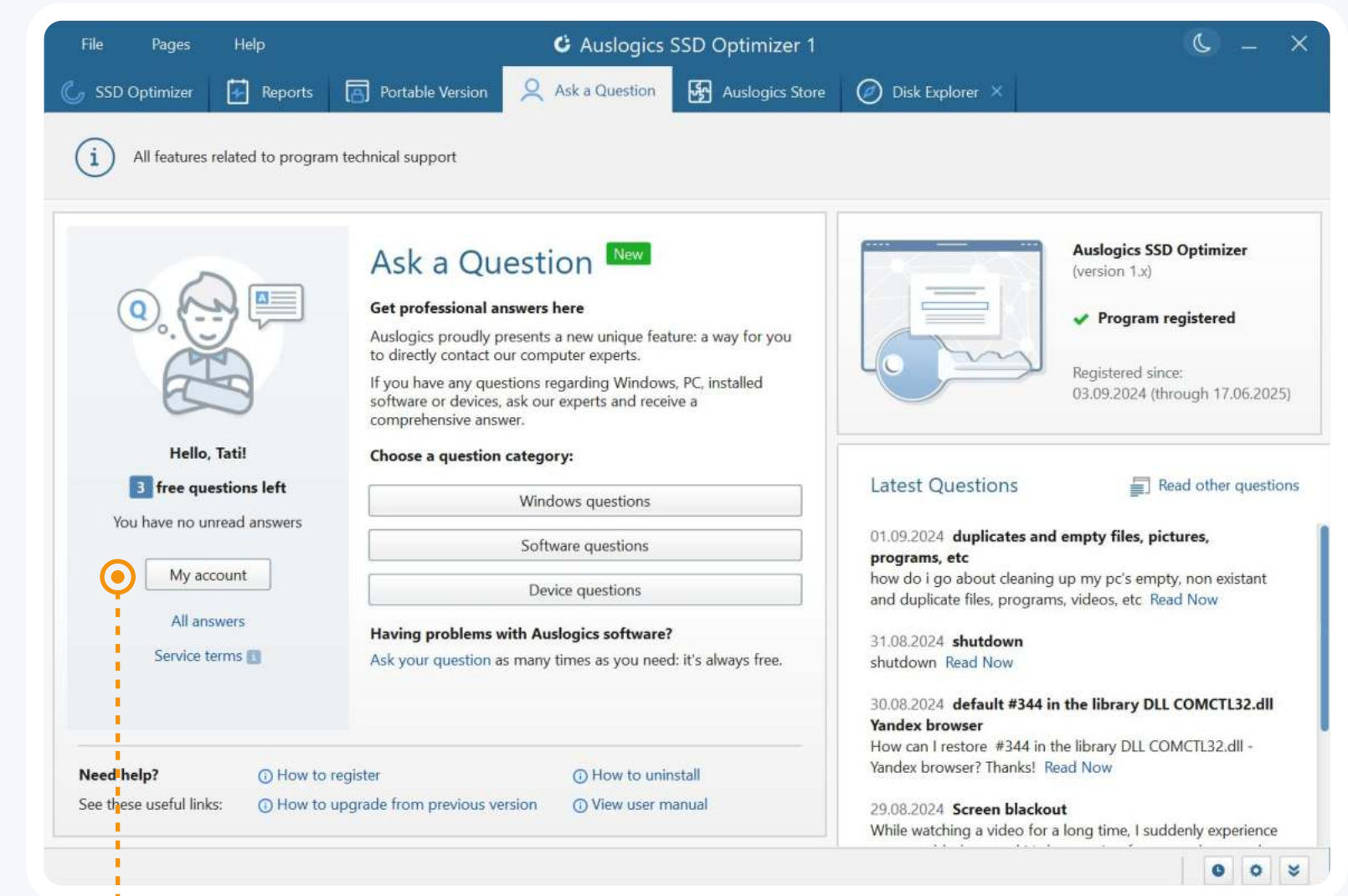
**Message subject:** Enter subject...

Write your question...

**Add file:**

Data sent will also include information about your system to help assess the situation. By checking the box you confirm that you have read and agreed to the [Terms of Service](#).

**Send** **Cancel**



To access the forum, click the **“My account”** button or use the link that was emailed to you with your password. In the lower part of this screen, you see links to the most common help topics. On the right, find the latest questions posted by users through the **Ask a Question** tool. Clicking on the **“Read Now”** link will take you to the question on the Auslogics forum, where you can read the answers and browse other questions.

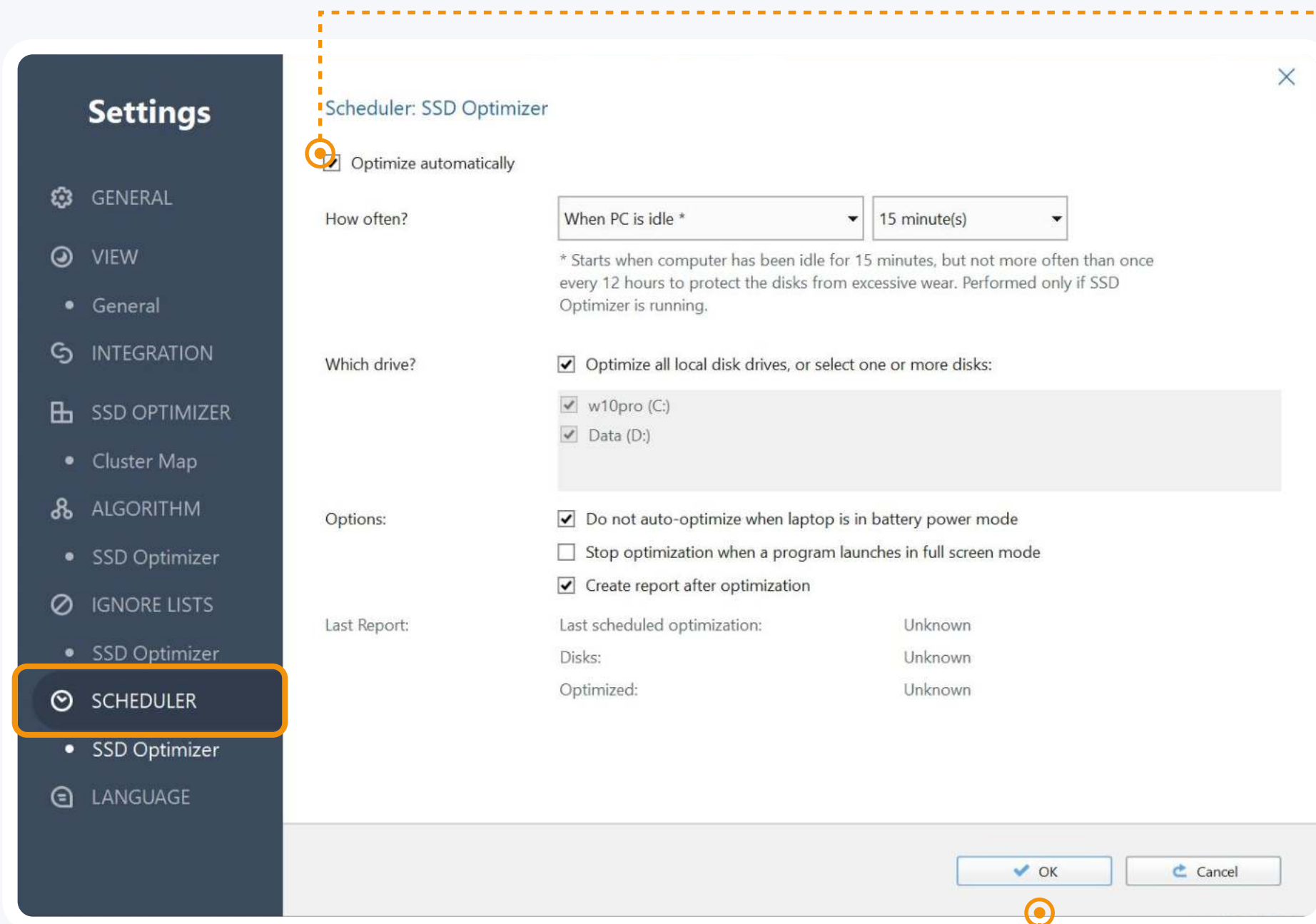
# Scheduling Optimization

Running optimization regularly helps support consistent PC speed. SSD Optimizer comes equipped with the **Scheduler** that provides an array of options you can configure for automatic optimization:

set up optimization by time (runs exactly at the specified time, regardless of whether the program is running) or set SSD Optimizer to run when your PC is in idle state (runs only when the program is running). Idle time optimization stops when user activity on PC is resumed.

To configure scheduled optimization, follow these steps:

- 1 Click on the clock icon at the bottom-right of the main program window.
- 2 In the window that pops up, check the “**Optimize automatically**” box.
- 3 Specify when you want optimization to be launched.
- 4 Select the disks that you want to enable the scheduler for by checking the boxes next to the disk names.
- 5 You can also set the program not to launch optimization when your PC is in battery power mode by checking the appropriate box.
- 6 Click “**OK**” when done.



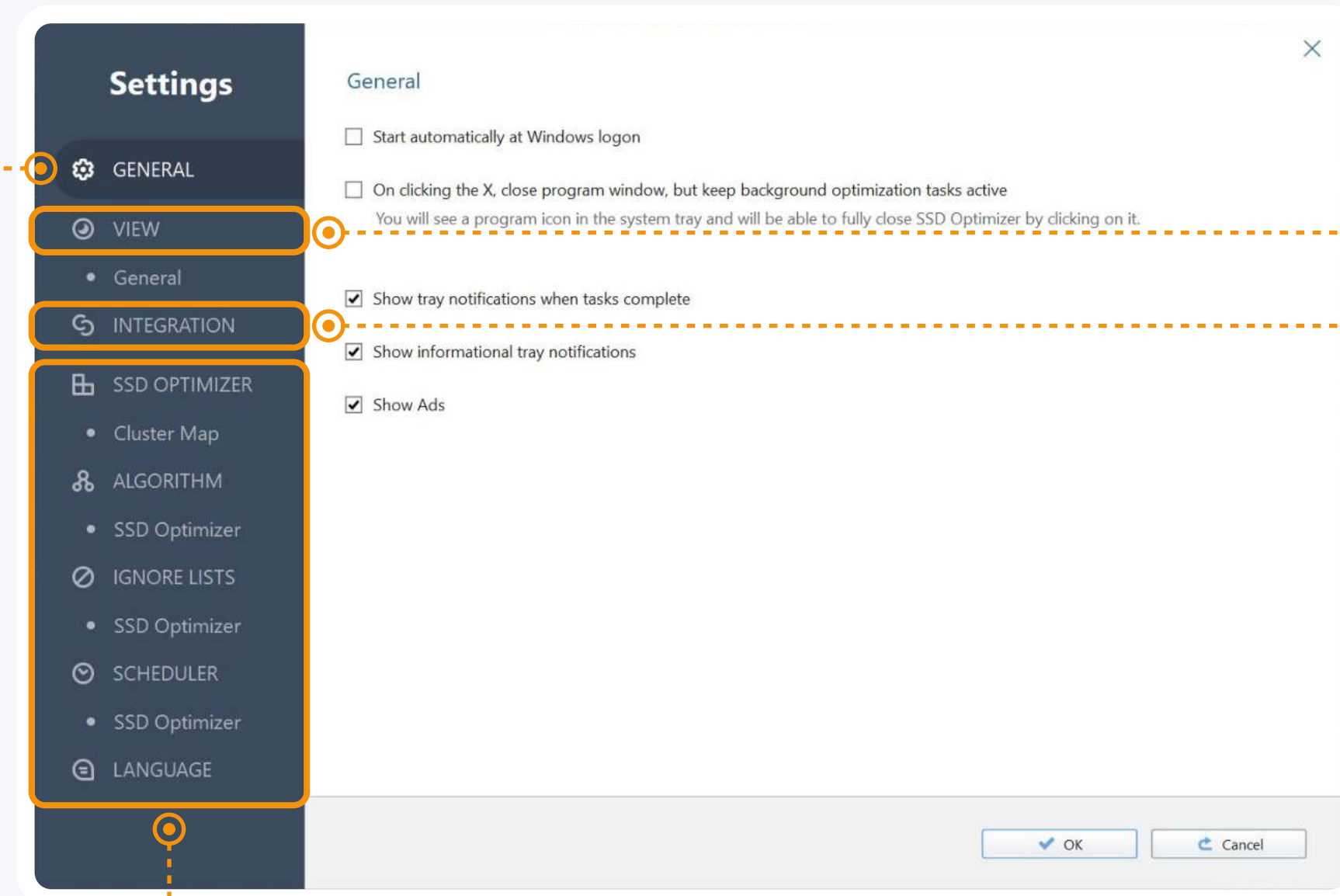


# Customizing Program Settings



The **Settings** manager allows you to change the program's appearance and behavior, tweak algorithms, and set exclusions.

To access SSD Optimizer settings, click on the gear icon at the bottom-right of the main program window. A new window will appear, with its own navigation pane on the left. Click through the options on the navigation pane and adjust the settings to satisfy your needs: Under **General**, you can specify the program's behavior (whether you want it to start at Windows logon or be minimized on close, etc.).



Under **View**, select the size of interface elements and temperature display units.

Under **Integration**, you can have Disk Explorer integrated into the drive context menu.

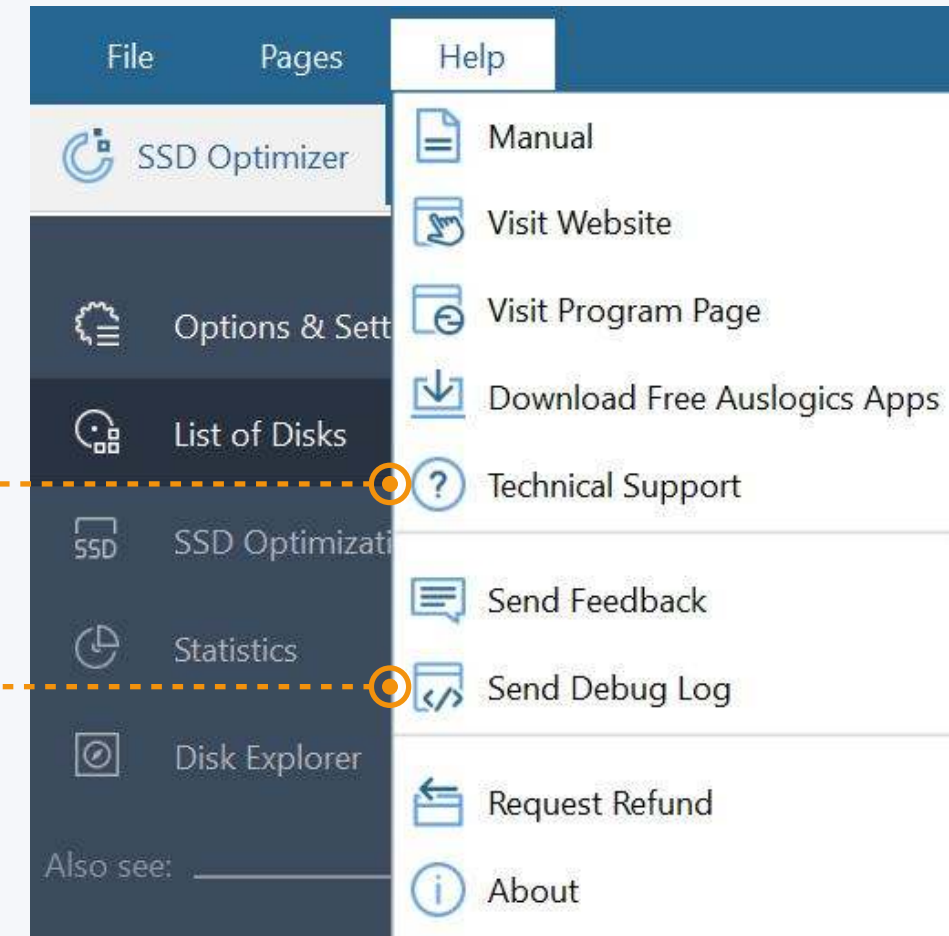
Further down, you can customize cluster map appearance, fine-tune program algorithm, and specify exclusions, if needed.

When done, click **OK** to exit and apply all changes.

# Contacting Auslogics

There are a number of ways to contact Auslogics, including several you can reach right from SSD Optimizer's **Help** menu.

Click on "**Help**" in the main menu, then select "**Technical Support**" to go to the contact form on [auslogics.com](http://auslogics.com) and send us a message. If you experience technical issues with the program, you can click on "**Send Debug Log**" to help our team get to the root of the problem.



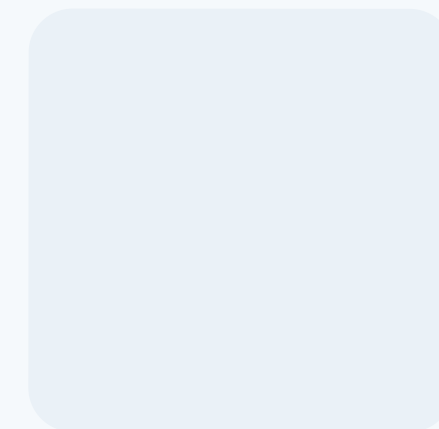
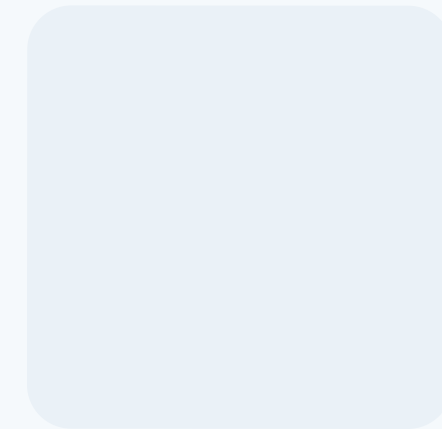
Many of the questions you may have regarding Auslogics products have already been answered in the FAQ section on [www.auslogics.com](http://www.auslogics.com).

The Support section on the Auslogics website also offers a way to retrieve a lost license key, request a refund, download product manuals, and more.

Should you have any questions that are not answered on the website, don't hesitate to email our dedicated customer support team 24/7 at the following address: [support@auslogics.com](mailto:support@auslogics.com).



**Thank you** for using  
**Auslogics Software!**



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