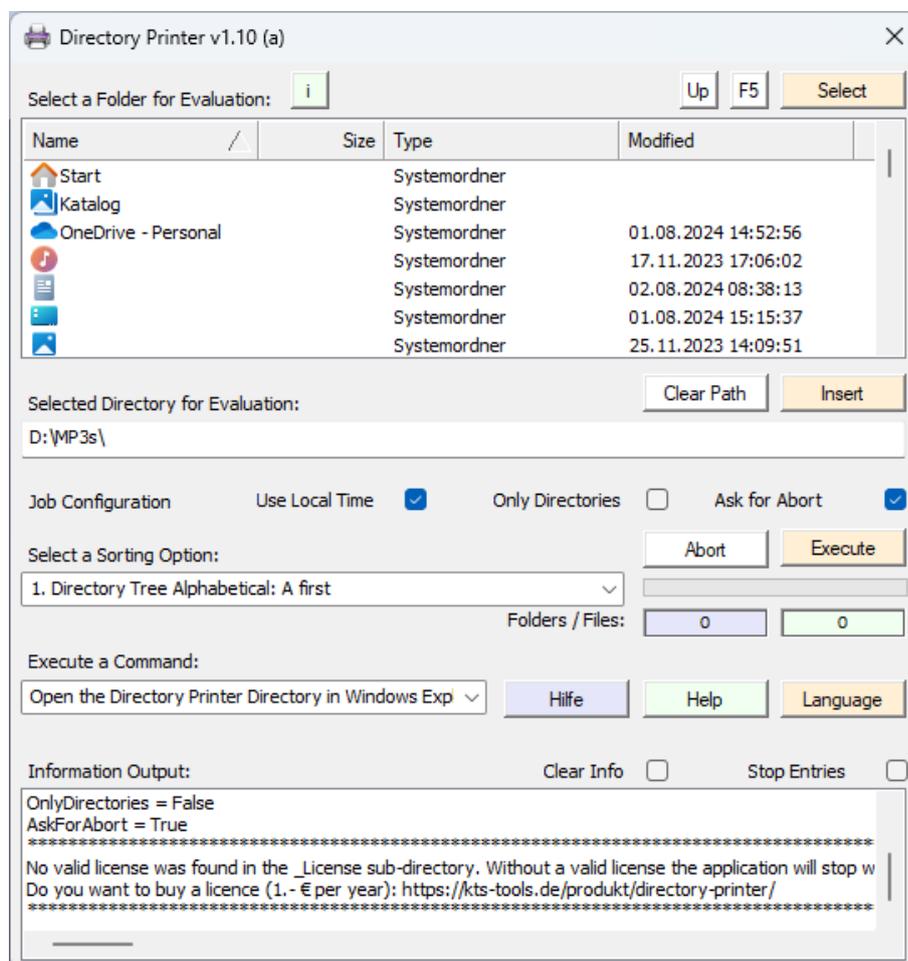


[Directories Printer Operating Manual](#)

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1. Summary of the Main Features

- Directory Printer reads the contents of directories, creates a text file from the results and opens it.
- The contents of the directories are:
 - Subdirectories and their properties (e.g., number of files found)
 - Files and their properties (e.g., file size)
- The Directory Printer shows the complete contents of the selected directory and all subdirectories, regardless of the configured Windows settings (e.g., Hide protected system files is ignored).
- Directory Printer offers more than 20 sorting options to display the results.
- The Directory Printer is bilingual, English and German.

The Directory Printer is portable, i.e., it does not make or require any entries in the Windows Registry. Its directory structure is as follows:

- DirectoryPrinterVersion.exe
- _Exports\ Exported text files
- _Help\ German and English help file
- _License\ The license file
- _Settings\ The saved settings

In the generated text files sorted by the selected option, the sort option is marked via angle brackets, e.g., <<Number of files: 7>>. This marking helps in the subsequent evaluation via a powerful editor such as Notepad++. For example, you pass the search term <<<Number of Files: to the editor and then look over all hits. If you are familiar with regular expressions, you can use the editor (Notepad++ supports regular expressions) to evaluate the hits in a much more targeted way.

Most sorting options result in exactly one mark per folder found. But there are also sorting options that result in marking only the top file in a folder (e.g., when sorting by single file size). Since there are many directories without files, there is no marking in these folders.

Please also take into account that, for example, when sorting a directory by the largest file, it can happen that the largest, second largest and third largest files are in directory A, but lead to only one marker (namely the largest file in directory A) and the fourth largest file is in directory B and that this file is then marked again (as the largest file in directory B).

2. Purchasing a License

Without a valid license, DesktopReminder will only run for 6 hours. However, there are no restrictions beyond this. A license costs €1 per year. A 10-year license (quantity 10 in the store) therefore costs 10.- € and also entitles to updates until one day my secret key has to be replaced by me, which is by no means planned (only after compromising the previous secret key). A license always runs from the date of purchase, i.e., you cannot extend a license. This means: wait until it expires (or shortly before) and then buy a new one. Licenses are available in my store:

<https://kts-tools.de/produkt/directory-printer/>

A purchased license file is sent by e-mail within 5 seconds after payment with PayPal. The e-mail is typically delivered in less than 5 minutes. When paying by bank transfer, the license is also sent by e-mail immediately after receipt of the payment.

The license sent by e-mail (a text file with the extension lic) must be copied or moved to the subdirectory ..._License. After the next program start, it will be checked and the check result will appear in the list box.

3. Definition of Terms and Examples

There are 34 sorting options, which are numbered for easier selection and retrieval. Here are a few definitions to help you find your way around.

Term	Description
Directory Tree	A directory with all files, folders and subfolders in any depth and all files in them. The sort options with the term directorytree represent the files and folders in the generated text file hierarchically (by indentation).
Directory accumulated	A directory with all files, folders and subfolders in any depth and all files in them. The sort options with the term directory accumulated take into account all directory depths.
Directory single	A single directory consists of files and the folders that are <u>directly</u> below the directory. Subdirectories that are not directly below it are ignored by the sort options.
Directory Size	The sum of all file sizes in a directory (without or with subdirectories). Directory names have no size according to Windows realization. For example, renaming a short folder name "a" to "ThisIsAVeryLongDirectoryName" does not change the directory size determined by the Windows Explorer.
Total Byte Size	Term used in the text files for a directory size with subdirectories.
Single Byte Size	Term used in the text files for a directory size <u>without</u> subdirectories.
Byte Size	Term used in the text files for the size of a single file.
Depth Files	The total of all files located directly in the directory or in subdirectories. The number of deep files therefore also includes those files that are located directly in the directory.
Deep Sub-Directories	The total of all folders located directly in a directory or in subdirectories. The number of deep subdirectories therefore also includes those folders that are located directly in the directory.

4. Selection of the Directory for Evaluation

The Directory Printer has an integrated file browser that can be used to select the directory to be analyzed. The selection is made by pressing the Select button.

There are the following alternatives for directory selection:

1. Use a file explorer of your choice and copy the selected directory path to the Windows clipboard via Edit → Copy or via the keyboard shortcuts CTRL + Paste or CTRL + c. Then press the Insert button.
2. Enter the directory path to be analyzed by hand.

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5. Description of the Controls on Application's User Interface

Control element	Description
Integrated file browser (Select a directory:)	Selection of the directory to be analyzed.
Text input field (Selected directory:)	Display of the selected directory or manual input of a directory path.
Combo Box 1 (Choose a sort option:)	Selection of the sorting option to be applied.
Como-Box 2 (Execute a command:)	Selection of a command to be applied immediately.
Listbox (Information output:)	Output of all kinds of information.
Text output (folder:)	Number of folders found.
Text output (files:)	Number of files found.
Buttons:	
i (upper area on the left)	Output of the information in which ways a directory to be analyzed can be selected.
Up	Move up one directory level.
F5	Update the display of the integrated file explorer.
Select	Select directory path.
Clear Path (middle area on the right)	Delete selected directory path.
Insert	Paste directory path from Windows clipboard.
Ask for Abort	The analysis of a top-level directory can take a very long time. If this check mark is set, the user is given the option to cancel the time-consuming analysis after a processing time of 10 seconds has been exceeded by displaying a modal window.
Only Directories	Only the directories appear in the text file, i.e., without the found files. This makes the generated text file considerably shorter.
Abort	Cancel current directory analysis.
Execute	Run analysis of the selected directory path.
Hilfe (lower area)	Open the German help file.
Help	Open the English help file.
Language	Switching the language, alternating between German and English.
Clear Info	Delete the list box content.
Stop Entries	Prevents further entries in the list box.

6. Description of the Sorting Options

The first four sorting options differ significantly from all subsequent ones, since only these sorting options take the existing Windows folder hierarchy as a tree structure via indentation into account.

For all other directory sorting options (5. to 26.) the found folders are displayed as single directories, but with subdirectory properties (deep files and deep subdirectories).

With all file sorting options (from 27.) only files with their properties (one line per file) appear in the generated exports.

No.	Sort option	Description
1.	1. Directory Tree Alphabetical: A first	Directory with all subdirectories, sorted alphabetically, as a tree structure by indentation in the generated text file.
2.	2. Directory Tree Alphabetical: Z first	Directory with all subdirectories, sorted alphabetically, as a tree structure by indentation in the generated text file.
3.	3. Directory Tree by Size: Largest first	Directory with all subdirectories, sorted by size, as tree structure by indentation in the generated text file.
4.	4. Directory Tree by Size: Smallest first	Directory with all subdirectories, sorted by size, as tree structure by indentation in the generated text file.
From here on, no tree structures are displayed in the exported text file:		
5.	5. Directories accumulated by Directory Size: Largest first	Directory with all subdirectories as sorting option when determining the properties
6.	6. Directories accumulated by Directory Size: Smallest first	Directory with all subdirectories as sorting option when determining the properties
7.	7. Directories accumulated by Number of Folders: Most first	Directory with all subdirectories as sorting option when determining the properties
8.	8. Directories accumulated by Number of Folders: Fewest first	Directory with all subdirectories as sorting option when determining the properties
9.	9. Directories accumulated by Number of Files: Most first	Directory with all subdirectories as sorting option when determining the properties
10.	10. Directories accumulated by Number of Files: Fewest first	Directory with all subdirectories as sorting option when determining the properties
From here on without subdirectories when determining the properties:		
11.	11. Directories single by Directory Size: Largest first	Directory without subdirectories* 1 when determining the properties as a sort option.
12.	12. Directories single by Directory Size: Smallest first	Directory without subdirectories* 1 when determining the properties as a sort option.
13.	13. Directories single by Number of Folders: Most first	Directory without subdirectories* 1 when determining the properties as a sort option.
14.	14. Directories single by Number of Folders: Fewest first	Directory without subdirectories* 1 when determining the properties as a sort option.
15.	15. Directories single by Number of Files: Most first	Directory without subdirectories* 1 when determining the properties as a sort option.
16.	16. Directories single by Number of Files: Fewest first	Directory without subdirectories* 1 when determining the properties as a sort option.
17.	17. Directories single by File Size single: Largest first	Directory without subdirectories* 1 when determining the properties as a sort option.

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No.	Sort option	Description
18.	18. Directories single by File Size single: Smallest first	Directory without subdirectories*1 when determining the properties as a sort option.
19.	19. Directories single by File Age: Oldest first	Directory without subdirectories*1 when determining the properties as a sort option.
20.	20. Directories single by File Age: Youngest first	Directory without subdirectories*1 when determining the properties as a sort option.
21.	21. Directories single by File Access: Oldest first	Directory without subdirectories*1 when determining the properties as a sort option.
22.	22. Directories single by File Access: Youngest first	Directory without subdirectories*1 when determining the properties as a sort option.
23.	23. Directories single by File Writing: Oldest first	Directory without subdirectories*1 when determining the properties as a sort option.
24.	24. Directories single by File Writing: Youngest first	Directory without subdirectories*1 when determining the properties as a sort option.
25.	25. Directories single by Directory Depth: Deepest first	Directory depth below the forwarded directory
26.	26. Directories single by Directory Depth: Shallowest first	Directory depth below the forwarded directory
From here on, only files appear in the export (one line per file):		
27.	27. Files single by File Size: Largest first	The sorting of the files is completely independent of their location
28.	28. Files single by File Size: Smallest first	The sorting of the files is completely independent of their location
29.	29. Files single by File Age: Oldest first	The sorting of the files is completely independent of their location
30.	30. Files single by File Age: Youngest first	The sorting of the files is completely independent of their location
31.	31. Files single by File Access: Oldest first	The sorting of the files is completely independent of their location
32.	32. Files single by File Access: Youngest first	The sorting of the files is completely independent of their location
33.	33. Files single by File Writing: Oldest first	The sorting of the files is completely independent of their location
34.	34. Files single by File Writing: Youngest first,	The sorting of the files is completely independent of their location
Notes:		
	*1: The subdirectories are not taken into account when determining the properties. However, in the exported text file the properties of the subdirectories appear correctly (e.g. deep directories or deep files).	

7. Description of the built-in Commands

The following commands are available to the user:

Command	Description
Open the Directory Printer Directory in Windows Explorer	Opens the Windows explorer and shows the content of the main directory.
Open the _Exports Sub-directory in Windows Explorer	Opens the Windows explorer and shows the content of the sub-directory.
Open the _Help Sub-directory in Windows Explorer	Opens the Windows explorer and shows the content of the sub-directory.
Open the _License Sub-directory in Windows Explorer	Opens the Windows explorer and shows the content of the sub-directory.
Open the _Settings Sub-directory in Windows Explorer	Opens the Windows explorer and shows the content of the sub-directory.

8. Description of the User-Settings

The Directory Printer saves the following settings when closing:

- The applicable language
- The applicable window position
- The applicable state of the 'Use Local Time' checkbox
- The applicable state of the 'Only Directories' checkbox
- The applicable state of the 'Ask for Abort' checkbox

These settings are read in and applied at the next start. If the saved window position is not applicable (e.g., due to very different screen configurations when closing and restarting), the dialog window is moved to the start position $x=0/y=0$.

9. Change List

Date	Version/ Chapter	Description of the change
03.08.2024	v1.00 (a)	The dual language capabilities were extended to the button names.
03.08.2024	v1.00 (a)	Revision of the settings concept.