**[Loop, Files](https://www.autohotkey.com/docs/commands/LoopFile.htm)**, FilePattern , Mode

* Retrieves the specified files or folders, **one at a time**
* **FilePattern-** The name of a single file or folder, or a wildcard pattern such as C:\Temp\**\***.tmp
  + **FilePattern** is assumed to be in A\_WorkingDir if an absolute path isn't specified
* **Mode-** Zero or more of the following letters:
  + **D**: Include **D**irectories (folders).
  + **F**: Include **F**iles. If both **F** and D are omitted, **F**iles are included but not folders.
  + **R**: **R**ecurse into **sub**directories (subfolders)

# [Special Variables Available Inside a File-Loop](https://www.autohotkey.com/docs/commands/LoopFile.htm#Special_Variables_Available_Inside_a_File-Loop)

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| --- | --- |
| A\_LoopFileName | The name of the file or folder currently retrieved (without the path). |
| A\_LoopFileExt | The file's extension (e.g. TXT, DOC, or EXE). The period (.) is not included. |
| A\_LoopFileFullPath A\_LoopFilePath | The path and name of the file/folder currently retrieved. If FilePattern contains a relative path rather than an absolute path, the path here will also be relative. In addition, any short (8.3) folder names in FilePattern will still be short (see next item to get the long version).  A\_LoopFilePath is available in [[v1.1.28+]](https://www.autohotkey.com/docs/AHKL_ChangeLog.htm#v1.1.28.00) as an alias of A\_LoopFileFullPath, which is a misnomer. |
| A\_LoopFileLongPath | This is different than A\_LoopFileFullPath in the following ways: 1) It always contains the absolute/complete path of the file even if FilePattern contains a relative path; 2) Any short (8.3) folder names in FilePattern itself are converted to their long names; 3) Characters in FilePattern are converted to uppercase or lowercase to match the case stored in the file system. This is useful for converting file names -- such as those passed into a script as command line parameters -- to their exact path names as shown by Explorer. |
| A\_**LoopFileShortPath** | The 8.3 short path and name of the file/folder currently retrieved. For example: C:\MYDOCU~1\ADDRES~1.txt. If FilePattern contains a relative path rather than an absolute path, the path here will also be relative.  To retrieve the complete 8.3 path and name for a single file or folder, specify its name for FilePattern as in this example:  [Loop](https://www.autohotkey.com/docs/commands/Loop.htm), C:\My Documents\Address List.txt  ShortPathName := [A\_LoopFileShortPath](https://www.autohotkey.com/docs/commands/LoopFile.htm#LoopFileShortPath)  **Note**: This variable will be **blank** if the file does not have a short name, which can happen on systems where NtfsDisable8dot3NameCreation has been set in the registry. It will also be blank if FilePattern contains a relative path and the body of the loop uses [SetWorkingDir](https://www.autohotkey.com/docs/commands/SetWorkingDir.htm) to switch away from the working directory in effect for the loop itself. |
| A\_LoopFileShortName | The 8.3 short name, or alternate name of the file. If the file doesn't have one (due to the long name being shorter than 8.3 or perhaps because short-name generation is disabled on an NTFS file system), A\_LoopFileName will be retrieved instead. |
| A\_LoopFileDir | The path of the directory in which A\_LoopFileName resides. If FilePattern contains a relative path rather than an absolute path, the path here will also be relative. A root directory will not contain a trailing backslash. For example: C: |
| A\_LoopFileTimeModified | The time the file was last modified. Format [YYYYMMDDHH24MISS](https://www.autohotkey.com/docs/commands/FileSetTime.htm). |
| A\_LoopFileTimeCreated | The time the file was created. Format [YYYYMMDDHH24MISS](https://www.autohotkey.com/docs/commands/FileSetTime.htm). |
| A\_LoopFileTimeAccessed | The time the file was last accessed. Format [YYYYMMDDHH24MISS](https://www.autohotkey.com/docs/commands/FileSetTime.htm). |
| A\_LoopFileAttrib | The [attributes](https://www.autohotkey.com/docs/commands/FileGetAttrib.htm) of the file currently retrieved. |
| A\_LoopFileSize | The size in bytes of the file currently retrieved. Files larger than 4 gigabytes are also supported. |
| A\_LoopFileSizeKB | The size in Kbytes of the file currently retrieved, rounded down to the nearest integer. |
| A\_LoopFileSizeMB | The size in Mbytes of the file currently retrieved, rounded down to the nearest integer. |