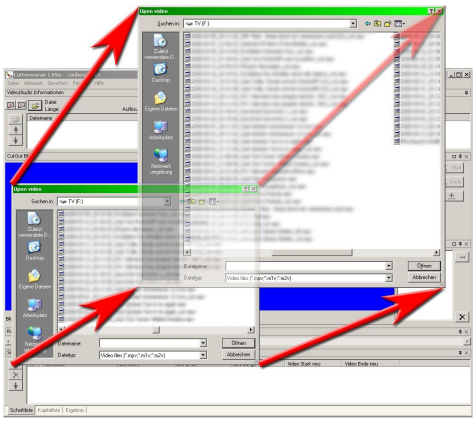


Handbook

WinSize2

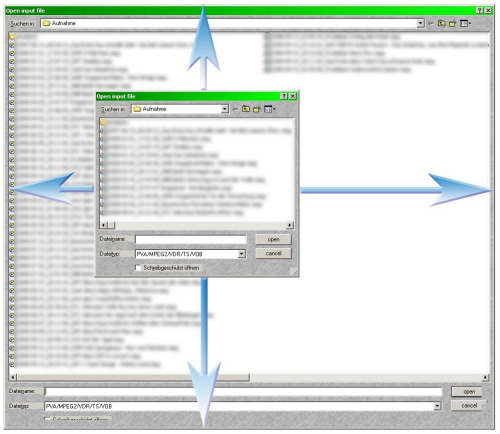
Automatically
Move and Resize
Windows

Hello Users in Spain !

Nearly 40% of all WinSize2 users live in Spain.

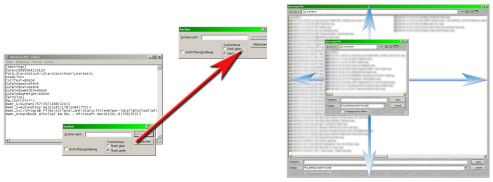
Is there anyone interested to translate the language files to Spanish?

Please see "Multi Language Support" and contact me.



Version 2.38

Kalle Koseck
April 2011



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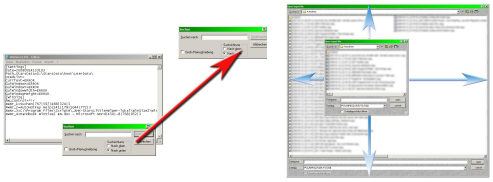

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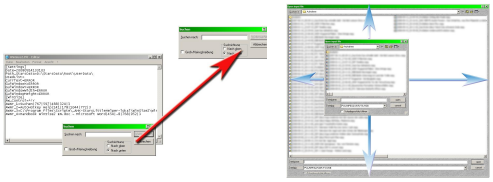

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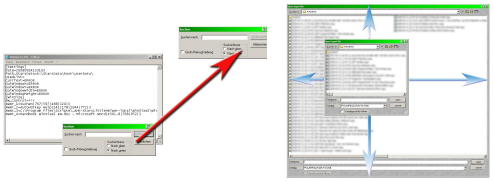

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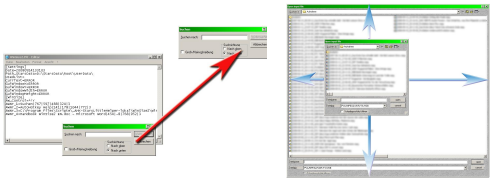


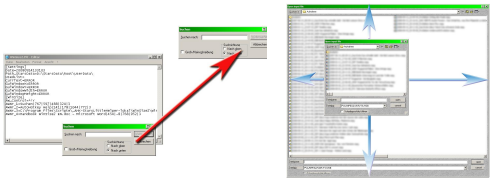
2 WINSIZE2 FUNCTIONS

2.1 The Main functions

There is only *one* combination of hotkeys to operate WinSize2. So you occupy only one hotkey leaving others for other programs (and you have to remember only one combination). Hitting the hotkey once, twice or thrice in a period of time (normally 2 seconds) advice WinSize2 to perform its main functions. The English version of WinSize2 uses "Ctrl+Alt+Z" as a hotkey as a default.

The main functions of WinSize2 are:

- Functions are activated by one hotkey
- WinSize2 works on the active window (the window which e.g. received the last mouse click)
- Learning position and size of the active window
- 1 * hotkey: "Insert" a new window's title into WinSize's list
- 1 * hotkey: "Overwrite" position and size of a window already in the list
- 2 * hotkey: "Delete" a window title off the list
- 3 * hotkey: changing of "Special Parameters"
- The possibility to keep certain parameters of a new appearing active window (that means: e.g. change only the position but keep size)
- Changing single parameters in the list (the window does not have to exist on screen)
- Changing WinSize2's working parameters (e.g. "Start with Logon" or "Show icon in the tray")
- Locking position and / or size ("always")
- Always on top (but not necessarily activated)
- Different parameter files according screen size



2.2 The Hotkey "Ctrl+Alt+Z"

I choose the hotkey – a combination of keys – out of narrow adjacent keys that can be pressed easily with one hand.

I use as a default hotkey for the English keyboard:

```
"Ctrl + Alt + Z"
```

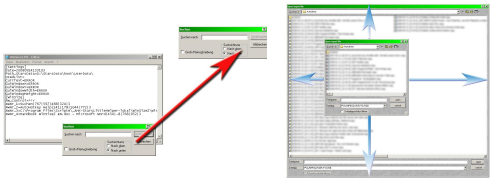
for the German keyboard I like to use the:

```
"Ctrl + Alt + Y"
```

The actual hotkey can be set in the "Special Parameters".

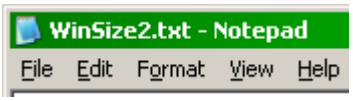
Pressing the hotkey 1, 2 or 3 times calls these functions (the tooltips show the function executed, the internal parameters and the title of the window):

Hotkey pressed	Meaning
1	<Ctrl+Alt+Z>: 1 * Insert / Overwrite Entry Inserted NEW: (33) : Suchen (#32770) or Overwritten (33) : Suchen (#32770) the position / size of the active window overwrites or is inserted to the list of programs (in this case the window "Suchen" which has the focus at that time)
2	<Ctrl+Alt+Z>: 2 * Delete Entry Deleted (33) : Suchen deletes the active window from the list of programs
3	<Ctrl+Alt+Z>: 3 * Special Parameters Change the title WinSize2 will work apon. If like in WinWord or Notepad the filename together with the program descriptor is shown in the title of the window you can delete a part like the filename. Change coordinates or size parameters not to be used for movement or resizing. See chapter below for more information.
4 and more	<Ctrl+Alt+Z>: 4 * *** No Function *** EXE-version: no function assigned: ignored 4 * Hotkey: If you started the source version WinSize2.ahk: This restarts the program, e.g. if you changed something in the include files of the source. Changes in WinSize2.ahk will be detected automatically and the program will be re-



started. The source version also assigns <Ctrl+Alt+A> to the restart function, in the EXE-version this hotkey is not assigned.

2.3 Window titles

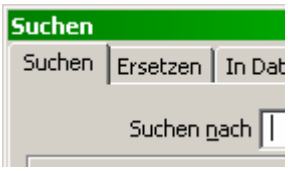


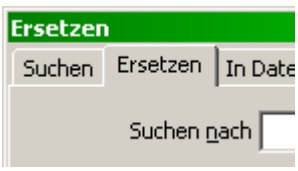
Window title "WinSize2.txt - Notepad"

WinSize2 keeps an internal list of window titles (in the above example "WinSize2.txt – Notepad"). This list also stores the other parameter special for this window (like position, size or "always"). If the editor Notepad is opened with the file WinSize2.txt WinSize2 detects that a new window is opened and looks through its list for an entry with that title. If the entry is found WinSize2 alters the window's parameters according to the list.

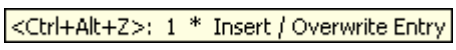
If you minimize and restore the window or change the size to full screen no action is done.

The Search and Replace option of some editors change the windows title of the search window when you switch to the replace option from "Find" ("Suchen") to "Replace" ("Ersetzen") and back. Although the window is the same on screen (using different tabs) changing the windows titles make WinSize2 detect a new opened window.





2.4 Hotkey 1 time: Insert or Overwrite



- Select the window you want to have moved and resized to a special place (click into the window – the window gets the focus).
- Move and resize the window.

- Press the hotkey once will insert or overwrite the title of the active window together with the position / size information into the list of programs.

Any existing program will be overwritten without further questions. There is no "back" function. But you can always overwrite this program slot once again.

> **Options: will not be overwritten**
>
> Options are explained in the "Special Parameters" below: Hotkey 3 times. Options could be: Title containing String, Always on Top, do not resize the window and others.
>
> Any options set will not be overwritten as long as the entry exists.

If you want to add / overwrite from a remote computer (using VNC or PC-Duo): Use the tray icon / right click / Last window: Add / Overwrite Entry.

2.5 Hotkey 2 times: Delete

<Ctrl+Alt+Z>: 2 * Delete Entry

- Select the window you want to delete from the list of programs.
- Hit the hotkey twice: The active window is removed from the list of programs. This window will no longer be moved or resized.

All options are deleted too.

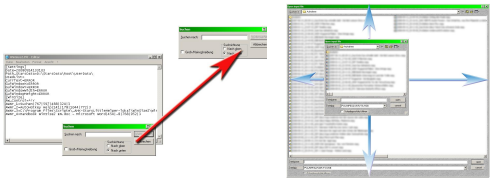
You can, of cause, insert the window again to the list of programs.

If you want to delete an entry in WinSize2 from a remote computer (using VNC or PC-Duo): Use the tray icon / right click / Last window: Delete Entry.

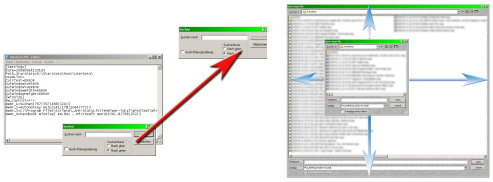
2.6 Hotkey 3 times: Special Parameters

Hit the hotkey three times and you will see:

<Ctrl+Alt+Z>: 3 * Special Parameters



In addition: A double click to the tray icon shows the "Special Parameters" window or right click and select the "Special Parameters".



3 WINSIZE2 CAPABILITIES

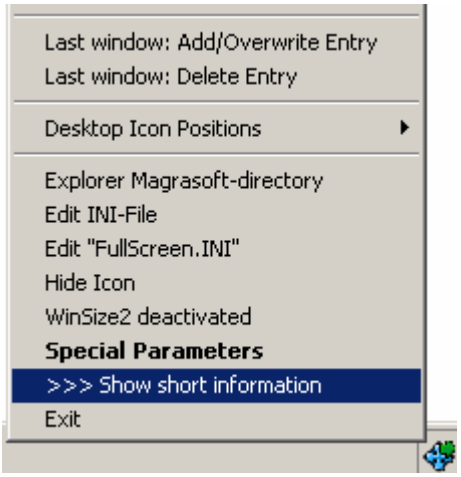
3.1 Do I need WinSize2?

What a question: *Of cause* because …

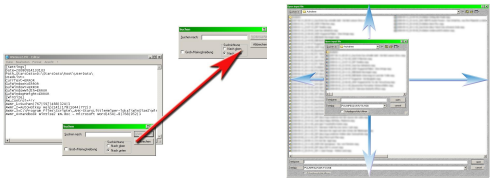
Your favourite editor opens its "Search" window always exactly in front of the text you are looking at. Your program to rework pictures, of videos or text shows it "Open" dialog optimized for a screen size of 800 * 600 pixel. The dialog only shows some files of the actual directory and of those (as they are too long for the small window) only half of the name: You urgently need a program that positions the window to another place and enlarges the size (as I said, of cause): Here it is. 10 years after the last edition of WinSize (which was in 1998) here you have the second edition: WinSize2.

If you think that this Handbook is too complex,

read the "Short Information": right mouse click on the WinSize2 icon in the taskbar:



Or read the chapter "WinSize2 Functions" p. 6.



3.2 General capabilities

On the first page of this manual you see what is meant with: moving (repositioning) and resizing of windows.

All descriptions found in the "General capabilities" chapter are short descriptions. For full explanation please have a look into "In Detail".

If you can imagine what moving / resizing does and if you do not want to read much, read the information about hotkeys and switching parameters on p. 29.

The capabilities of WinSize2 are:

- Learning position and size of any window (p. 8)
- Moving to a predefined place
- Changing the size of a window
- Only position or size is changed, the other is keeping the actual parameters (p. 46)
- Fixing a window in position / size (p. 52)
- Window is "Always on Top" (p. 52)
- Setting a window to: Normal / hide / minimize / maximize / full screen (p. 54)
- Special functions: Fill in parts of the mask automatically (p. 59)
- Identifying the window according to the title or parts of the title (p. 45)
- 1 hotkey used to manage the program (p. 7)
- Desktop icons save and restore (p. 76)
- Multi language support (p. 76)
- Individual settings for different screen sizes (p. 29)
- Central update for many workstations (p. 23)
- Handbook available in German too.

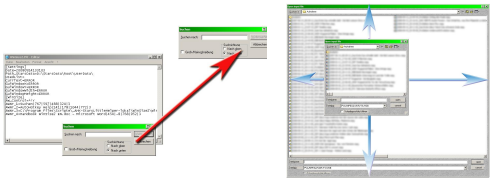
3.2.1 Positioning and Resizing

WinSize2 can reposition and resize windows.

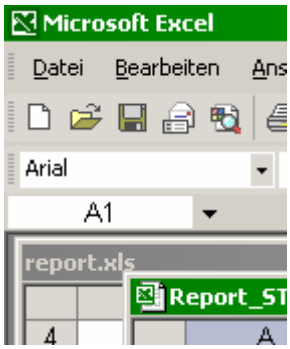
Reposition means that a window is moved to another place.

Resize means that the size of the window is changed (the width and the height).

WinSize2 can fix position and / or size of a window.



3.2.2 What WinSize2 cannot do



MDI windows (Multi Document Interface) cannot be moved and resized by WinSize2 (at least at the moment). The complete Excel window of cause can be moved.

WinSize2 will detect the container window (like in this case the window of " Microsoft Excel") but it will not find the contained MDI documents (like in this case the window of "report.xls").

3.2.3 Selecting the program to be moved

WinSize2 keeps the windows to be changed in a list in your personal documents. You can add window titles, change the title parameters and as well delete them from the list.

The programs are identified according to the title of the window (here green) as shown here for the program "Idoswin Pro" (similar to the windows explorer) showing a special directory. When adding this program the whole string of the title would be inserted into the list together with other parameters like positions and sizes (please see below).

You have the possibility to identify you program with only a part of the title line too. In the above example you would select the characters "Idoswin Pro" to identify the program as the directory will change with every new directory shown (or in MS-Word you would select "Microsoft Word" for identification as the name of the document edited will change).

3.2.4 How to manage the list of Titles

WinSize2 is managed by only one hotkey. (A hotkey is a key (combination) that is pressed to activated functions in WinSize2.)

In the program provided the combination "Ctrl+Alt+Z" is used as default for English users (and "Ctrl+Alt+Y" as default for German users). You select the three functions of WinSize2, by typing the hotkey 1, 2 or 3 times shortly after another. Hit the hotkey 1 time (and wait for 2 seconds) inserts a new Title entry or over-

writing an already existing. Hitting the hotkey two times deletes the entry and three times activates the "Special Parameters" where you can select how the program window is searched for and what has to happen when repositioning / resizing.

3.3 How everything started ...

Once upon a time (not a fairy tale) about 10 years ago there was a program called WinSize. It was a very nice little program that could do nearly everything WinSize2 can do today. But the programmer lost his source code on a computer crash (he said) and did not want to reconstruct everything again.

I worked with a program at that time that had its own idea of where to open windows and how they should be sized. And as I had to resize them many time in one hour and as the old WinSize did not have some properties I needed, I tried to program my own WinSize.

At that time I discovered Autohotkey and thought, "Why not try to do it with Autohotkey?" and, as you see, it worked.

At first I used WinSize2 only for my private purpose and included it together with several others into one AHK-program. Then I extracted the modules and assembled them together with a "main" program, so that it could be started and used "stand alone". (And if you do programming yourself you can include WinSize2 into your own program. You only have to write two "#Include" statements into it.)

Autohotkey has the advantage that you can "compile" the program and supply it as ordinary EXE file (which is done here).

If you have problems with WinSize2 or suggestions what to add or change, please contact me.

Or contact me if you just want to say hello.

3.4 Where to get WinSize2: at SourceForge.

The project is hosted at SourceForge:

http://sourceforge.net/projects/winsize2/

and you can download the latest version of Handbook, EXE-program or the source there.

Many thanks to all the people at SourceForge for their support to this project. They provide without any cost the storage for program and homepage, the infra-structure for all project hosted there and even the connection to the internet.

3.5 Does not contain Viruses ...

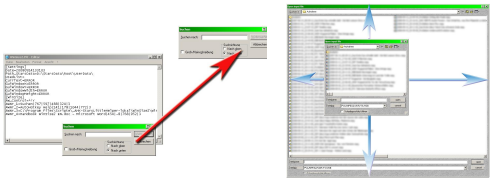
Some scanners detect a virus in the executable file. This may be because the script text is appended to an EXE modul (the Autohotkey interpreter). As you can see yourself the sources (in the "Source" directory) do not contain a virus. Please see the certificate from the software site Softpedia.

3.6 Short description: Installation + Operation

- Unzip the file to a directory and
- start the EXE file `WinSize2_Update.exe` (p. 17)
- right mouse click to the icon in the taskbar and
- "Show Short Information" (please see hotkey once, twice or thrice, p. 32)

- **Hotkey of the English version: "Ctrl+Alt+Z" (p. 7)**

- **Hotkey 1 time: Position + size of actual window into list (p. 8)**
- **Hotkey 2 times: Delete window from list**
- **Hotkey 3 times: open Special Parameters (p. 39)**



4 INSTALLATION

There are three methods to install WinSize2:

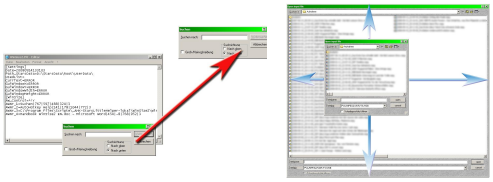
- The program directory (the start dir) is located on the local computer, there is no update directory; update versions are copied into the start dir of the local computer
- start directory on the local computer with update directory in the network
- start dir in the network, update dir is the same as start dir; there is no local directory.

The first two methods have the benefit, that WinSize2 can be started if the network is down.

As networks are today highly reliable I would prefer method 3. But remember, if the network / server is really down you would see only message numbers as output instead of the text message (also on the masks).

In any case the INI file is always kept on the local computer in the users private region.

> **Update method used with V2.18 and later**
>
> The first version to use the remote update or remote run method is V2.18.
>
> If you want to use the automatic upgrade, just copy all files from the zip file into the update or start directory. No further actions have to be done.
>
> All versions 2.18 or later can upgrade or downgrade to any other version.
>
> When a different version (newer or older) is detected WinSize2 updates to this version.



4.1 Installation

4.1.1 New Installation

There is no installation program for the program. You have downloaded WinSize2 as a ZIP file. Just dezip it into a directory of your choice, I would prefer:

```
C:\Program Files\WinSize2
```

Then start `WinSize2_Update.exe`. This EXE copies itself into `WinSize2.exe`. All settings can be made in the "Special Parameters": Just key in the hotkey "Ctrl+Alt+Z" three times.

Entries made by the installation

1. The option "Start WinSize2 with Logon" writes a registry entry (this is the only entry made by WinSize2):

```
Hkey_Local_Machine\Software\Microsoft\Windows\CurrentVersion
    \Run\WinSize2
```

If you deactivate this option (uncheck this entry and click "OK"), the entry is removed.

2. If you never started WinSize2 before you will get a message about the directory that WinSize2 used for its INI file:

```
C:\Documents and Settings\<User>\Applicationdata
    \MagraSoft\WinSize2.INI
```

Vista / Win7 stores the INI file in:

```
C:\Users\<User>\AppData\Roaming\MagraSoft\WinSize2.INI
```

4.1.2 Upgrade to a different version

V2.18+: "Different" means: another version. You can up- or downgrade to any version (starting at 2.18) you want.

Copy the unzipped files into your common or the local directory mentioned in the chapters below. WinSize2 organizes the rest of the update process.

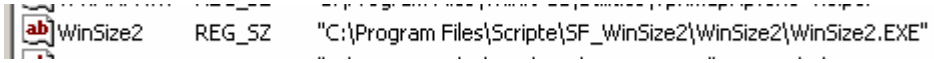
If the version has changed is controlled by WinSize2 about every minute. When the new version is loaded you get an Update – message:

4.1.3 Registry entries

If you decide to use in the "Special Parameters" / "Extras" the option "Start WinSize2 with Windows" an additional registry entry is written:

```
HKLM = Hkey_Local_Machine
HKLM\Software\Microsoft\Windows\CurrentVersion\Run\WinSize2
```

This entry will be deleted if you uncheck this option.



4.1.4 The INI file(s)

WinSize2 writes two or more INI files that contain all settings of the program.

At first the installation directory is searched for the file `WinSize2_INIPath.INI`. If this file exists, it contains the path to the directory, where all other INI files are stored.

If it does not exist, as a standard these directories are searched for the INI files:

```
<installation directory>
C:\Documents and Settings\All Users\Application Data\MagraSoft
C:\Documents and Settings\<User>\Application Data\MagraSoft
```

Windows Vista as a standard stores these INI files in the users personal directory e.g.:

```
C:\Users\<User>\AppData\Roaming\MagraSoft
```

WinSize2 searches for the file `WinSize2_Root.INI`. If it finds the file this is the base directory used for all INI files.

If the file is not found in any of the above directories `...\<User>\...` is used as base directory.

`WinSize2_Root.INI` defines among others where (directory) these files are stored:

- File `WinSize2.INI`
- File `WinSize2.LOG`
- File `WinSize2_FullScreen.INI`

> **Non printable characters**
>
> V2.31: which may not be visible too are contained in the INI file(s) as separators.
>
> You should not edit these files: depending on the editor you will see the files (as in Notepad or Notepad++) or not.
>
> If you accidentally delete one of these separators this entry will be destroyed.

Printing WinSize2.INI

The INI file contains control characters. These character can induce functions that prohibit a normal print out.

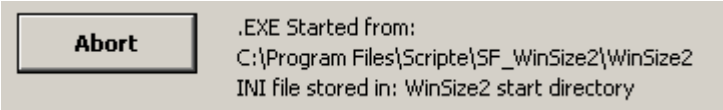
4.1.4.1 Possible …_Root.INI directories for your settings

`WinSize2_Root.INI` can exist in one of the paths shown below. If the file does not exist in any of these files, WinSize2 writes a new file to the personal directory (3.):

1. \...\<Installation directory>\...

These settings are used for all users.

For a normal installation you should not use this option. You will need write rights in this directory. So other files may be writable too and so they are unprotected.

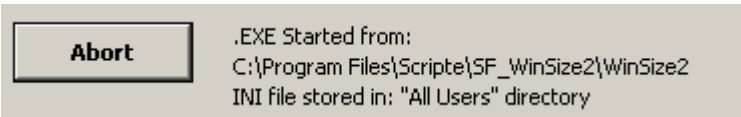


WinSize2 portable

This setting should be used for the portable option of WinSize2. You can store WinSize2 on a USB-Stick together with your settings.

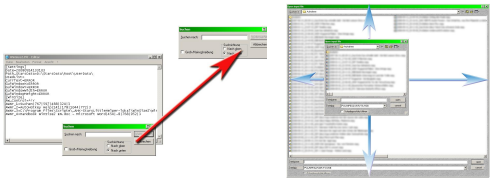
2. C:\Documents and ...\All Users\...

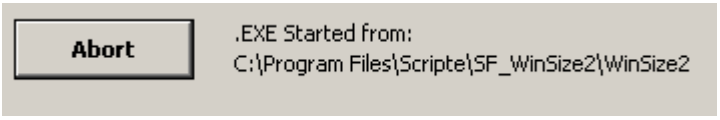
These setting are used for all users as well.



3. C:\Documents and ...\<User>\...

When you store your files in your home directory, each user has (possibly) their own setting.





No INI directory is shown.

4.1.4.2 INI directory in another path

(V2.30): `WinSize2_Root.INI` only has to be stored in one of the path above.

All other files (inclusive the LOG file) can reside in any other path in your computer. The only condition: You should have write rights in this path. If you want to change the path of the `..._Root.INI` or the path of the other files do the following:

- Close WinSize2.
- Copy the `"MagraSoft"` directory to the other path, e.g.:

  ```
  E:\Scratch\MagraSoft
  ```

- In the original `"MagraSoft"` directory change in `WinSize2_Root.INI` the line to the new path:

  ```
  INIFile_Path=E:\_Scratch\MagraSoft
  ```

- Start WinSize2 again.

4.1.5 WinSize2 portable on an USB-Stick

You do not have to install WinSize2 and so WinSize2 can be copied to a path in the USB-stick and can be started in that directory. The directory can have any name.

Let's assume that the USB-stick has got the drive letter N: and a copy of WinSize2 is in the path:

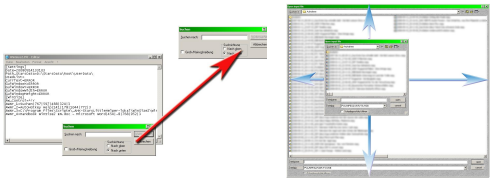
```
N:\Program Files\WinSize2
```

This directory should contain a copy of the file `WinSize2_Root.INI` with the content:

```
[Settings]
INIWithScreenSize=0
INIFile_Path=.
```

The path name "." for INIFile_Path will store the three INI file in "this directory" which is the path of the directory where WinSize2 was started. So WinSize2 can be started in every computer (with the drive letter set to any character).

`WinSize2.INI` if it does not exist will be written with the default values of WinSize2. You also can copy the three files from an old `MagraSoft` directory to the



new one. `WinSize2_Root.INI` is the only one that has to show the actual path, all other settings can be copied without changes.

> **Setting of the LOG file**
>
> If you store WinSize2 on a stick you should switch off the LOG in the Extras-2 settings:
>
>
>
>
> so that WinSize2 does not write to the LOG file and you will not have to wait until writing has finished.

There will be delays only at the start of WinSize2 and when the Special Parameters read the messages from the data files.

4.1.6 WinSize2 portable on a Virtual Computer

Possibly you will use a Virtual Computer to surf in the internet. When you switch off your Virtual Computer after the surf session and "return to the last snapshot", you discard all viruses and other things that influenced your computer during the session. But you also discard all settings of programs that you wanted to save in the registry or in disk files.

To save the settings WinSize2 has to save them on an external storage. This could be a USB-Stick or a mapped partition on a real disk that is not reset after switching off.

WinSize2 gives you the possibility to store the whole Magrasoft directory on another place.

4.1.6.1 File WinSize2_INIPath.INI

The first line of file `WinSize2_INIPath_Template.INI` contains the path to your Magrasoft directory.

Do the following to set the Magrasoft directory to any other path:

- terminate WinSize2,
- rename `WinSize2_INIPath_Template.INI` to `WinSize2_INIPath.INI`
- This file *has to be* in the same directory as WinSize2.EXE
- Change the first line of `WinSize2_INIPath.INI` to the absolute or relative path of your new Magrasoft directory, e.g. `E:\Data\Magrasoft\WinSize2`.

- copy the old Magrasoft directory to the new path. You do not have to delete the old directory but it will no longer be used.
- Restart WinSize2.

> **Some settings remain stored in the System!**
>
> and will be reset when you "return to the last snapshot". These settings are:
>
> - Start WinSize2 with Login OR
> - Start of WinSize2.AHK in the Startup directory
> - Start WinSize2 from every directory
>
> These settings are stored either in the registry or in a directory on disk. You should set these options before taking the snapshot of your system.

4.1.7 Start of WinSize2_Update.exe

Beginning with version 2.25 you will receive `WinSize2_Update.exe` only

Please start this file if WinSize2 does not run.

When you started `WinSize2_Update.exe`

- `WinSize2_Update.exe` will copy itself to `WinSize2.exe` deleting an existing `WinSize2.exe`,
- then it starts `WinSize2.exe`,
- and terminates `WinSize2_Update`,
- and deletes the file `WinSize2_Update.exe`.

4.2 Method 1: Installing on a computer without network

When your computer is a single computer or a computer that is not connected with other computers through a network you should use this method.

No update directory is needed on the local computer. The field "Update-Dir" in the "Special Parameters" window is left blank.

> **Write access needed**
>
> All update methods will need write access in the installation directory. Will be possibly changed in a later version.

In our example we unzip the files to the directory

```
C:\Program Files\WinSize2
```

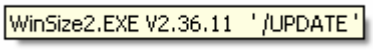
Then you should start `WinSize2_Update.exe`. This starts the update process.

4.2.1 Updating to a new version: local directory

V2.18+: When you update an existing installation, WinSize2 does not have to be shut down before updating.

Unzip the downloaded file and copy all files into the installation directory or unzip the downloaded file to the installation directory directly.

After some time `WinSize2.EXE` will recognize the `WinSize2_Update.EXE` and will start the update process. You will see a tooltip like this:

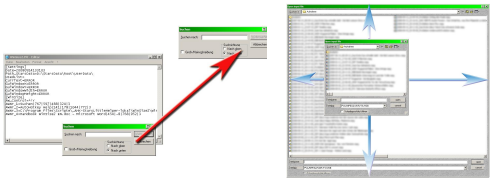


4.3 Method 2: Installation local, Update dir in the net

The installation on the local computer is done into a local directory (could be also `C:\Program Files\WinSize2\`) which contains all files of the downloaded Zip file.

Additionally there is a central shared directory on one computer where a new version is unzipped to.

> **Write access in the local directory is needed**
>
> This method will need write access in the (local) installation directory. Will be possibly changed in a later version.
>
> The update directory in the net will not be changed.



An update directory exists on one computer in the network. The update directory is set in the "Special Parameters" window. It can be a mapped directory (like `U:\Install\WinSize2`) or a share on a server in the net (like `\\Server\Share$`).

Mapped directory on a computer in the net (of cause this also can be a directory on your own computer like "D:\Install\WinSize2")

Shared directory on a computer in the net

During normal operation WinSize2 only uses those files in the local directory. It monitors `WinSize2_Update.exe` in the Update-Dir and when it's creation date changes all files in the network's update directory are copied to the local directory.

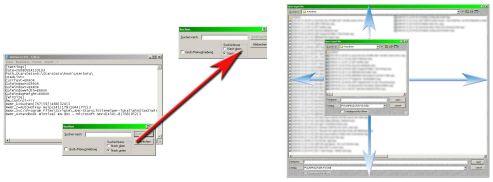
> **Many installations can use the same Update-Dir**
>
> With this method many installations can use the same Update-Dir. No action has to be done on the computer running WinSize2.
>
> Update is done automatically on all computers.

For mapping a network drive or using a network share please see p. 101.

4.3.1 Automated update on a shared directory

Unzip the downloaded ZIP file and copy all files into the update directory. The update directory may be a (e.g. shared) directory on a server or another workstation or a directory on your own computer (where WinSize2 is running).

You can copy all files ("copy *.* ...") as no files in the update directory are opened by a program.



4.4 And deinstalling?

Yes, no problem too:

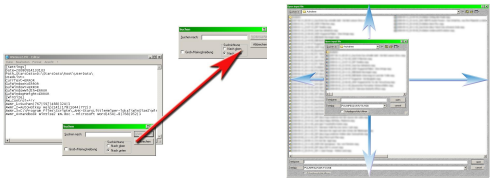
Start WinSize2 on the command line with:

```
WinSize2 /uninstall
```

(This will be changed to a more handy method in one of the later versions.)

This deletes the registry entry and the INI directory inclusive the INI file.

Now delete the directory where you unzipped `WinSize2.EXE` to. That's all.



5 DESCRIPTION IN DETAIL

5.1 What to download

The zip file contains

- the EXE version as well as all parameter files needed for the exe; and
- the source in the "Source" directory normally needed for information only.

5.1.1 Using the EXE version

Just start `WinSize2_Update.exe`. All parameter files are in the directory with the Exe file.

If you want you can delete the "Source" directory.

5.1.2 Using the source version

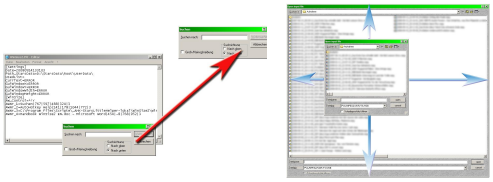
If you want to know how to write such a program or use the modules needed for WinSize2 you will find all necessary file in the "Source" directory:

- the modules needed for WinSize2 written in AHK

The modules can be edited by every normal text editor (such as notepad). I would recommend Notepad++ (see in the program's list).

You can start the source version if you …

> **Use Autohotkey 1.0.47.06 or later**
>
> This version will be needed to run WinSize2. Older versions *may* cause errors.



So if WinSize2 does not work correctly, please check the AHK version first.

You may download the freeware Autohotkey from:

http://www.autohotkey.com/

Copy the Source into the Parameters directory

Copy all files from the "Source"-directory into the directory that contains the .EXE files and start WinSize2.ahk.

If you forget to do this you will see only message numbers instead of a text message.

5.2 What does WinSize2 do ?

WinSize2 moves windows on screen and resizes it … and many other things.

WinSize2 creates a hotkey (only one for all of its functions) which is occupied during the run of WinSize2. It is freed as soon as WinSize2 is stopped ("Exit").

Which windows are moved / resized?

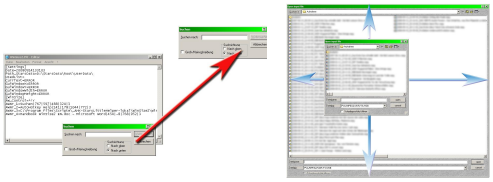
Only windows which are included in the list of programs to work on and

only windows that are newly generated (e.g. a "Search" window opened by "Ctrl + F") are affected.

Windows that already exist but are minimized and opened again are not touched. That means that if you moved then from the original WinSize2 place the will remain there (until they are closed and reopened again).

Can all windows be resized?

Yes, most of them. They can and *will* be changed.

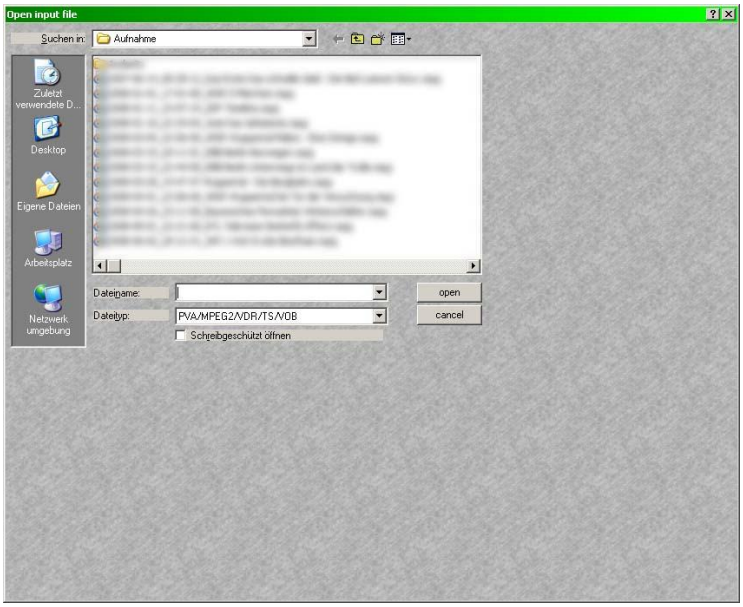


WinSize2 does not consider the origin of the window. If it is called e.g. "Search" all windows with that name are treated alike.

Also windows that you cannot resized with the mouse *will* be resized. E.g. if you open a "Search" window in Winword which has got its size with Notepad this window will be resized to the Notepad width and height (I think that this could make the window unusable as some keys cannot be reached any more.)

But there is a solution: See a chapter below how to solve this problem.

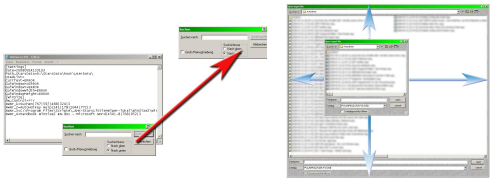
And if your program does not support resizing the window will look like this where resizing is not very useful:



5.2.1 Windows are moved only once

This is the normal case. Windows are identified according their title and according to a class-text. WinSize2 periodically searches for these two identifications for all program that had been moved.

As long as they exist a window is not moved again. When the program is finished the windows vanish from the operating system's list and are deleted from WinSize2's list too. The windows can then be moved when it appears again.



Windows of e.g. Delphi-programs

vanish from the windows list when they are minimized. Therefore WinSize2 finds a newly started program when you activate the window again.

And this window will be moved again.

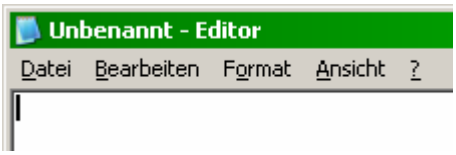
This can could be fact for other programming systems too. You can identify such a program when you click right on the button in the taskbar. You will find that the menu entries for "move", "change size" and "maximize" are not visible:

These programming system hide their main window. What you see is one of their child windows.

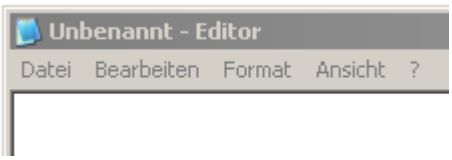
5.2.2 Only active windows are moved

Although it is in the list of windows to be moved, a special window is not moved. There is no problem with other windows.

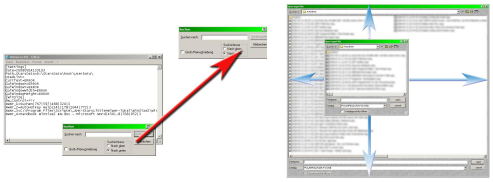
Only active windows (that have the focus – as in the next picture) will be moved:



If the window does not have the focus, WinSize2 will not recognize and move the window. The next picture shows a window without focus:



There are windows whose construction take a longer time e.g. those where the program is written in Java or others that read a larger amount of data before the first window is shown. You can see that these sometimes take a second to be build: The frame is written first and then one after the other inner elements are constructed.



Wait a time after starting a program

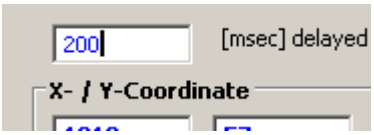
until its window(s) are shown

1. The (main-)window of a started program is set active automatically by Windows, it gets the focus. If you click in the time between start and showing of the first window onto the desktop or into the window of another program, the newly shown window will be shown in the background and so WinSize2 will not recognize and move it.

2. In most cases these windows can be moved and resized for the first time when the whole window is complete. Sometime you do not realize the time it takes to finish a window: but 100 or 200 msek are to long for WinSize2. The Move-Command has been given and will not be repeated.

Set a delay time,

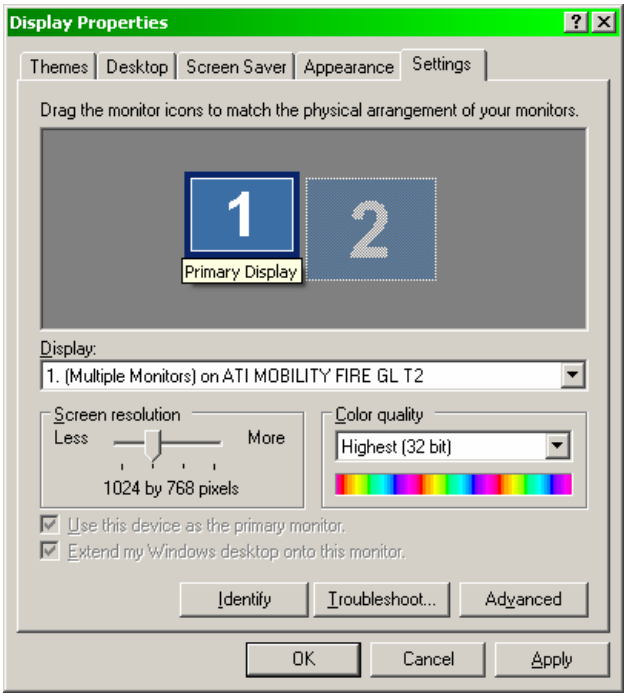
when a window is not moved.

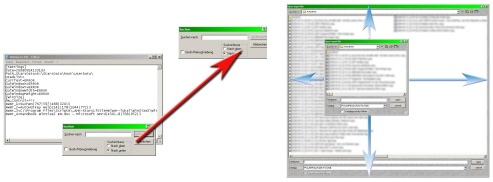


5.3 Changing the INI file with different desktop sizes

WinSize2 uses, as done by Windows, coordinates with the dimension pixel to move windows and to resize them. If you use WinSize2 on a notebook you may use different desktop solutions for different monitors (thanks Phat).

If you are travelling by train you may use the built in screen of the notebook with a resolution of 1024 (in X-direction), in the company you use a secondary monitor with 1280 and at home you just bought a new monitor with a 61 cm screen and 1920 pixels. (Hey, you don't know how large this





monitor is? As I live in the EG region controlled by Bruxelles I am no longer allowed to write that this screen has a diameter of 24".)

If you always use the same parameter file (`WinSize2.INI` as done before) you would only use the left 1024 pixel of the 1920 pixel width of your new monitor. Or you could not reach the windows parameterized for your 1920 pixel monitor when you are in the train.

In the "Special Parameters" / Tab "Extras-2" activate:

Above WinSize2 shows in the description line the current resolution of 1600 pixel.

WinSize2 recognizes the screen resolution of the *primary* display and saves its parameters if you wish in different files. You may have a look at the actual name of the parameter file (if it is used or not – box checked or not) in the "Special Parameters" as shown above.

It is new (2.22+) that certain parameters are stored in a fixed file `WinSize2_Root.INI`. These parameters decide if the screen resolution is taken into account and different INI files are used or not.

If the "Different INIs" is not checked the file `WinSize2.INI` is used as before. Otherwise the special INIs are used.

You cannot decide how the INI files are called. The resolution is computed automatically.

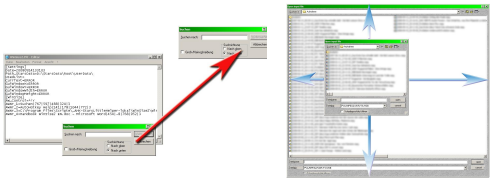
The Primary Display is taken into account only

But you can if connected activate the secondary display and change it to be the primary one (check the box "Use this device as the primary monitor").

If a secondary or further ones are connected and activated is not of any interest to WinSize2.

Screen size with quick launch bars on the right

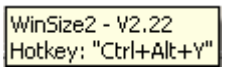
If you push the taskbar (and possibly other bars too as the office start bar) to the right or left side of the desktop this reduces the place on the desktop and the number of pixel that are available for the user. Also a change of the width of the bars on the right or left of the desktop change the available number of pixel.



> This change will be detected by WinSize2 and it will use or create an INI file with this name.

5.4 Using the WinSize2 Icon in the taskbar

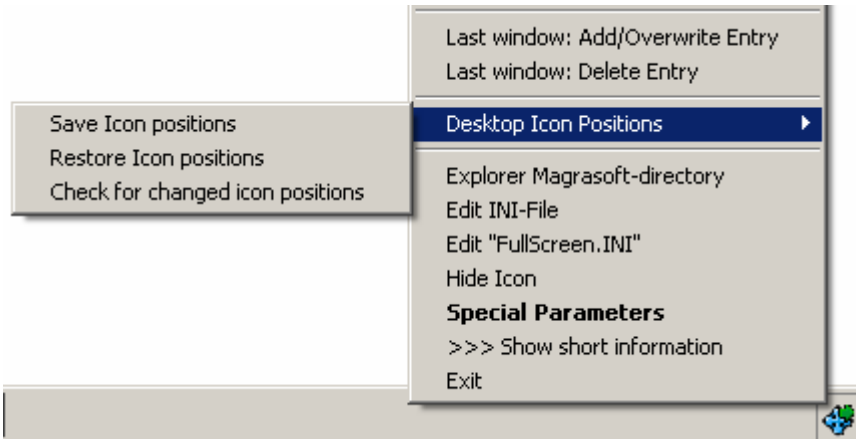
Pointing with the mouse onto the WinSize2 icon (without clicking) shows the version and the actual hotkey of WinSize2.



If you do a "Right Mouse Click" onto the WinSize2 icon in the taskbar and activate some special functions.

> If the hotkey does not work as desired please check the hotkey combination here.

With a right click to the WinSize2 icon you see:



> **In the Special Parameters**
>
> you can set many (but not all) of these settings.

5.4.1 Last window: Add/Overwrite Entry

Has the same functionality as hitting the hotkey 1 time: Add or overwrite the position and size of a window in WinSize2's table (see p. 8).

Remark:

The only possibility to add or overwrite the settings directly for a specific window from a remote computer using a program like VNC or PC-Duo, if you do not use the way of Special Parameters.

A hotkey like "Ctrl-Alt-Z" is always sent to the active application which is e.g. the program VNC but not the program on the remote computer.

"Last window: ..." because when you do a right mouse click to the tray icon the activated window looses the focus. But WinSize2 remembers the last activated window and overwrites its settings.

5.4.2 Last window: Delete Entry

Has the same functionality as hitting the hotkey 2 times: Delete the position and size of a window in WinSize2's table (see p. 9).

Remark:

See "Remark" of the previous chapter.

5.4.3 Desktop Icon Positions

You will find these function also in Special Parameters in the tab Desktop Icons + Network.

5.4.3.1 Save icon positions

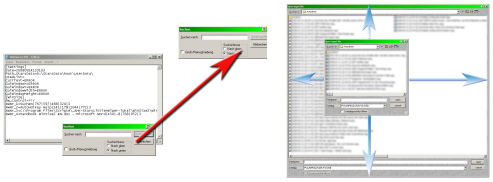
The positions of the icons on the desktop are saved in a data file. See chapter p. 80.

5.4.3.2 Restore icon positions

The positions of the icons are restored on the desktop from a data file. See chapter p. 80.

5.4.3.3 Check for changed icon positions

Check if the icon positions on the desktop were changed since the last storage in a data file. See chapter p. 81.



5.4.4 Explorer Magrasoft-directory

Opens MS's terrific Explorer and shows the files in the actual Magrasoft directory.

You can use another "Explorer" when you edit the file

```
WS2_Explorer.BAT
```

The first parameter is the path to the Magrasoft directory.

5.4.5 Edit INI-File(s)

Your favorite editor is started (normally Notepad) and shows WinSize2's actual INI file. This file *can* be edited and written (to its original place).

WinSize2 will detect that the file was overwritten and will reload the INI file.

You can use another editor when you change the call in

```
WS2_Edit.BAT
```

The first parameter is the path / filename of the file to edit.

5.4.6 Edit "FullScreen.INI"

This file contains a library of windows using the "Full Screen / Special Functions" option and the associated keys sent to the window.

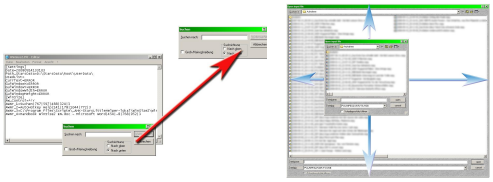
This file is described in detail later. See in the chapter about the option "Full Screen" p. 59.

5.4.7 Show short information

Information about WinSize2, its functions and using the hotkeys is shown.

5.4.8 Hide icon in the taskbar

The icon in the taskbar near the system clock will be hidden.



Access to WinSize2 with the icon hidden

can only be done by the hotkey.

You can show the icon again in the "Special Parameters / Extras".

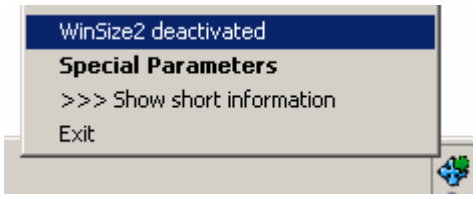
If you do not know the hotkey or the hotkey does not work: you will have to edit the INI files and set:

MenuTrayIcon_Show=1

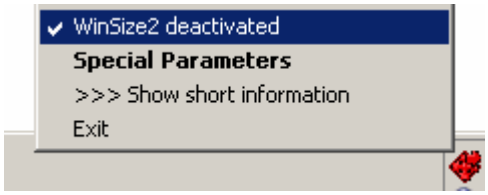
5.4.9 WinSize2 deactivated

Deactivates the functions of WinSize2: If activated: Only moving windows and resizing them is no longer done. All other function like those done by the hotkey like saving position and size of a window or deleting an entry in the list of windows are still working.

Without check WinSize2 works as usual:



If the deactivation is checked the WinSize2 icon in the taskbar is changed to a red icon:



5.4.10 Special Parameters

The same function as pressing three times on the hotkey. This can be valuable when you cannot use the hotkey (see " Special Parameters" on p. 9).

5.4.11 Exit

Shuts down WinSize2.

Any new appearing windows will not be moved or resized any more.

The hotkey will be given free.

5.5 Positioning of several windows with equal titels

5.5.1 Example: Four projectors

You want to show a movie on four screen with a panorama of a landscape. Each screen is served by its own "Projector"-software; the four programs are synchronized internally.

You want to start up the four programs automatically as you do not want to move and maximize the four windows. But unfortunately each command like "projector.exe movie01.avi" generates a window with equal name of the software plus a version number "Projector V4.03" in the title of the window.

5.5.2 Renaming of window titles: "WinSize2 /RenameTitle Old New"

(V2.24+) WinSize2 supplies a function to rename window titles. It works similar to renaming of files:

```
WinSize2 RenameTitle <window-title-old> <window-title-new>
```

This function works independently from WinSize2 which means that a "new" instance of WinSize2 is loaded that executes the desired function and terminates.

> **Contained in the title**
>
> "WinSize2 RenameTitle" recognizes the title when the character to search for are contained in the title.
>
> A window "Handbook WinSize2 EN.doc – Microsoft Word" is recognized if the old title "Microsoft Word" is searched for.

How does "WinSize2 RenameTitle" work?

- Start "WinSize2 RenameTitle",
- the program waits until a window with <window-title-old> appears and
- renames it to <window-title-new>.

- Thereafter the program terminates.

> **Possible problems for programs that change their title permanently**
>
> Window titles that are permanently changed by their program can *possibly* not be renamed by "WinSize2 RenameTitle" because:
>
> 1. "WinSize2 RenameTitle" has to detect a fixed character sequence in the title line and
>
> 2. for WinSize2 the title line has to exist long enough (before it is changed again) so WinSize2 can recognize the title.

Here you can do only one thing: You will have to try it.

5.5.3 Batch file for starting the four projectors

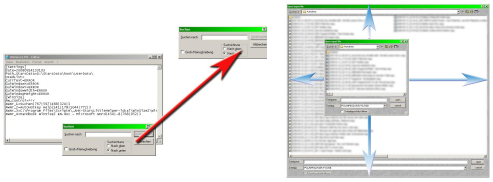
- Prepare WinSize2 manually for the four projectors: Set up the positioning for the screens 1 to 4 one after the other for normal move and resize; in the "Special Parameters" choose the action "Full Screen" and change the title line to the <title-new> e.g. "Projector Movie01"
- start "WinSize2 RenameTitle" for the first projector
- start the projector with the movie which may create a window with the name "Projector V4.03"; the title is recognized by "WinSize2 RenameTitle" and renamed to "Projector Movie01",
- WinSize2 recognizes the new title, moves the window and sets it to FullScreen mode.

The starting batch file is short and easy to understand:

```
Rem --- starting the 1. opojector
WinSize2 RenameTitle "Projector V4.03" "Projector Movie01"

Projector.exe "E:\Demo\Movie01.avi"
Rem --- generates the window "Projector V4.03"
Rem     this is renamed to "Projector Movie01"
Rem     Sleep for safety reasons only (can be shortend)
Call Sleep 2sec

Rem --- WinSize2 moves and maximizes the window
Rem     to screen 1
```



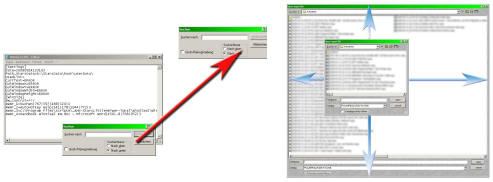
```
Rem --- starting the 2. opojector
WinSize2 RenameTitle "Projector V4.03" "Projector Movie02"

Projector.exe "E:\Demo\Movie02.avi"
Call Sleep 2sec

Rem --- WinSize2 moves and maximizes the window
Rem     to screen 2

... and so on for projector 3 and 4
```

As I said: Really no big problem.



6 "SPECIAL PARAMETERS" FOR WINDOW TITLES

6.1 For every Title this will be stored ...

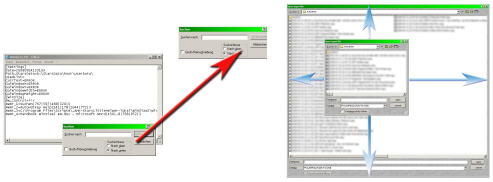
For every title the following parameters will be stored:

- Method to search for a window
- X-position of the left upper corner of the window
- Y-position of the left upper corner of the window
- Width of the window
- Height of the window
- Time delay for moving and resizing the window (V2.17+) as well the delay for windows using the Full Screen option and sending characters to the window
- Always on Top (V2.14+)

> **Only Message numbers are shown instead of text**
>
> When you see message numbers instead of text, neither the local nor the English message file can be read.
>
> (See FAQ p. 98)

6.2 Tab WinTitle

Most Windows windows show their title on the top (in the picture below green). When a window is inserted in WinSize2's list, the "Autohotkey v1.0.48.03", all parameters belonging to that window like Width and Height are stored together with the title.

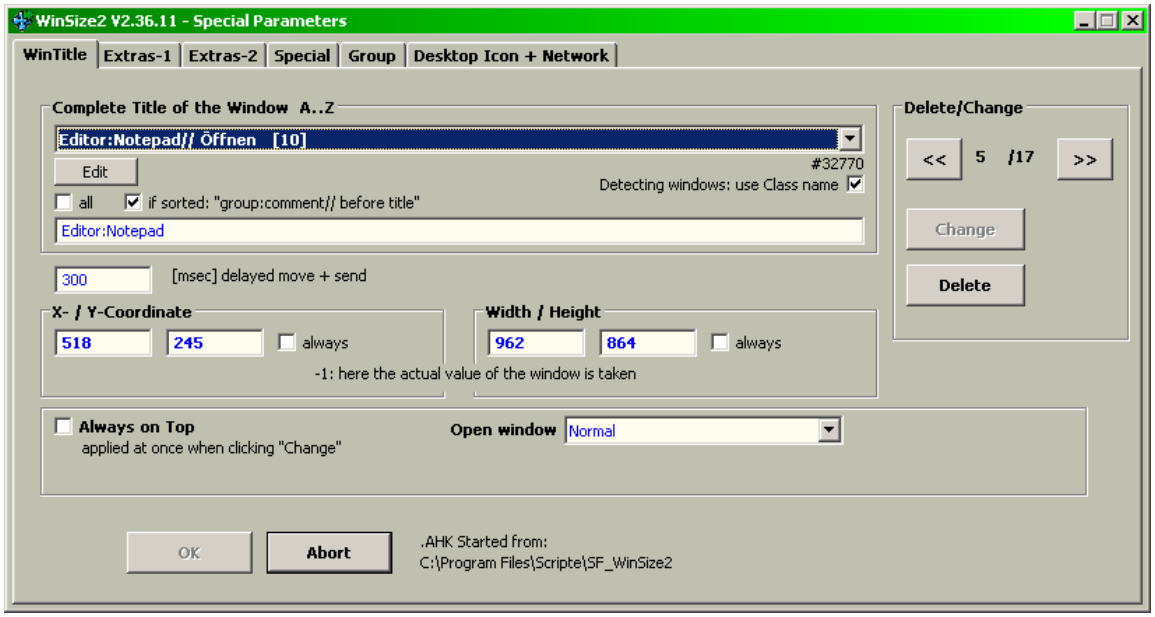


Remark:

Also windows that to not show their title do have one ("Splash-screens", in Win-Size2, Extras-1 the "INI Logo". In most cases they can be inserted into the list and moved and resized like other programs too.

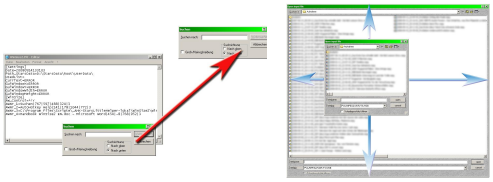
ESC key aborts "Special Parameters"

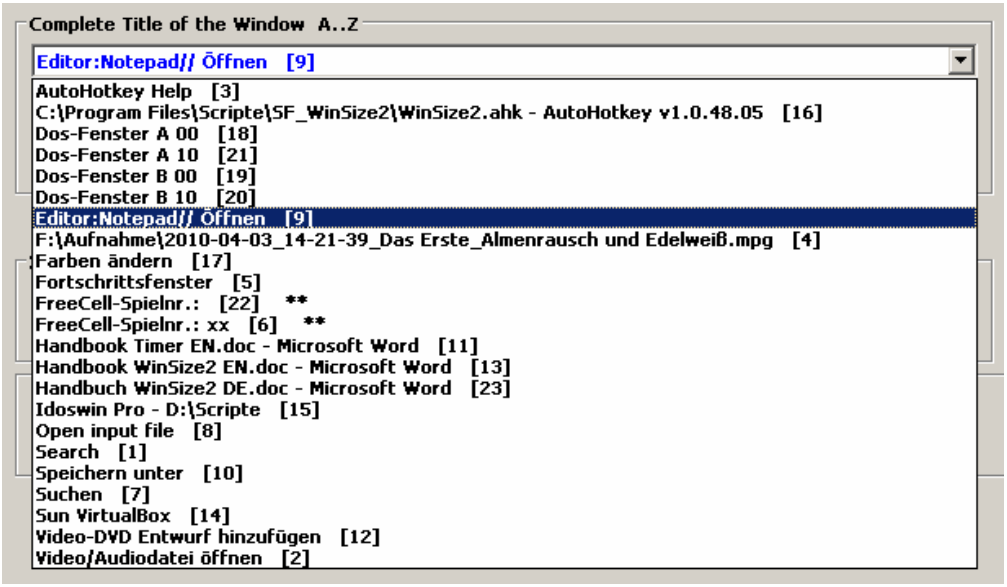
Typing the ESC key or clicking the [X] - button of the window while the "Special Parameters" are opened aborts all entry. When something was changed in between you will be asked to confirm your entry.



"Special Parameters": 3 times hotkey

... and when you expand the dropdown box (look at the identical comments for "Search" and "Öffnen"):





Click "Change"

Do not forget to click the "Change" button when having altered any content (e.g. the blue entries) before going to another entry in the program list.

If you do not to click onto "Change" the new values are dismissed.

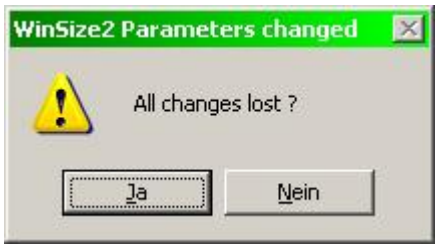
Click "OK"

If you changed one of the internal parameters or you clicked on "Change" the button "OK" gets the marks:

Only the click onto "OK" makes all these changes permanent and they are store on disk.

At any time you can make all changes undone and revert to the state before entering the "Special Parameters" mask.

When you changed something (marks near "Change" or near "OK") and you want to go the next window title or you hit "Abort" you are asked to confirm the loss of the changed data:

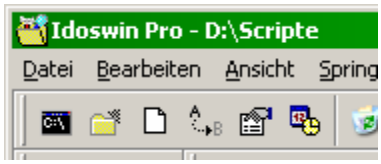


Remark: The language of the buttons in the message box is dependend on the selection of the windows language, so you see when selecting WinSize2's language to English the German buttons selected by the operation system.

When you select "Yes" ("Ja") all changes are lost returning to the state before: Loosing the changes in the "WinTitles" screen (if you had to click to "Change") or of all changes you have done when you had to click onto "OK".

*6.2.1 Searching the list: Complete / **Contained** in the title*

"Complete Window Title" is the full title (header line) of the actual window, here for the program "Idoswin Pro – D:\Scripte" (including the actual directory):



Ignore Case of letters in the title

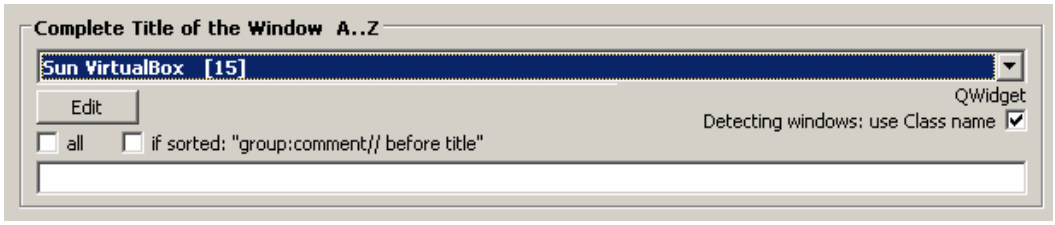
The case is not taken into account.

WinSize2 will find "Idoswin Pro" or "IDOSWIN PRO" or "idoswin pro".

Do not ignore "Blanks"

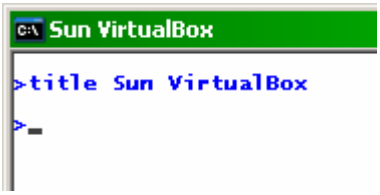
But: Blanks are significant: "IdoswinPro" will not be found.

6.2.1.1 Class names



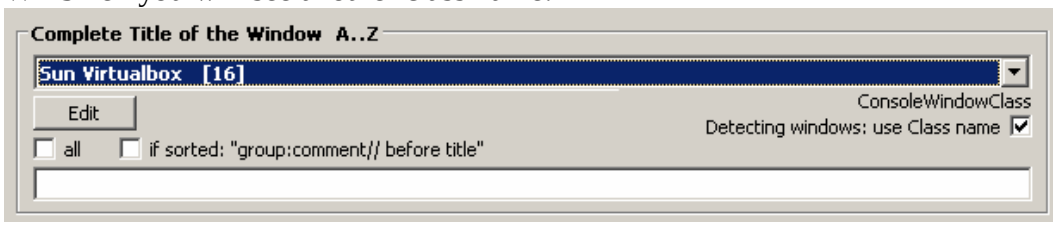
Every window is assigned a class name when it is started. The example above shows the class name "QWidget". If a window is to be recognized the title of the window ("Sun VirtualBox") and the class name "QWidget" have to be identical – the checkbox "Detecting windows: " has to be checked.

If the checkbox is not checked only the title has to be correct.



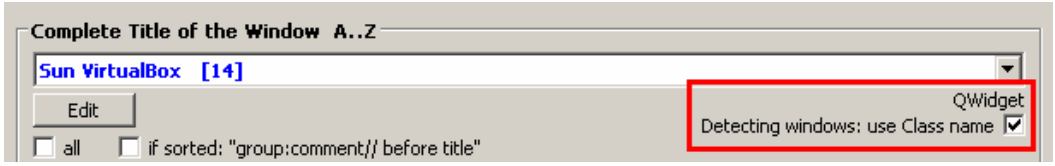
Example:

You can create a DOS Box with the name "Sun VirtualBox" with the command "Title Sun VirtualBox". When you enter this window into the list of WinSize2 you will see another class name:

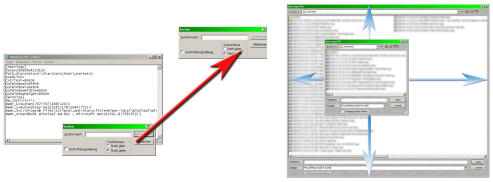


The class name "ConsolWindowClass" differs from the class name of the real VirtualBox program which will lead to 2 entries in WinSize2's list and of cause WinSize2 can move the windows to different places.

But if you do not take into account the class name:



both windows the DOS box and the Virtualbox starter will be resized to the same place (VirtualBox has been moved to Oracle).



Different Class names

from start to start of a program are very seldom.

Nearly all program (with some exceptions) are assigned the same class name with every start.

Till now I only found one program (a Zilog assembler) that changes its class name (the last 6 characters of a 20 characters long name).

6.2.1.2 Complete Window Title

The program name entered in the list of programs is as a default compared in full length with the title of the window (here including the displayed directory).

When you want to resize some programs (like Write, Notepad and also WinWord and other programs e.g. "Idoswin Pro" as shown here) the name of the edited file is included in the title. This would mean that for each of the files one entry in the list of programs had to be reserved and each Editor / File had to be entered separately.

In the above example: If Idoswin shown another directory as D:\Scripte nothing will happen.

Changes when new title arises

And this means: When Idoswin show the contents of directory C: and you change back to D:\Scripte WinSize2 will recognize the new appearing window (although it is the same program that only shows another directory = has got a new title) and will reposition the "new" appearing window.

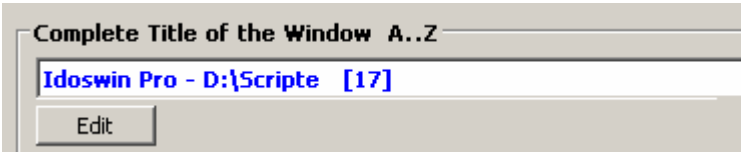
WinSize2 does not differentiate between program names and appended parameters (as with the Find / Replace example on p. 7).

How to avoid this problem is described in the next chapter.

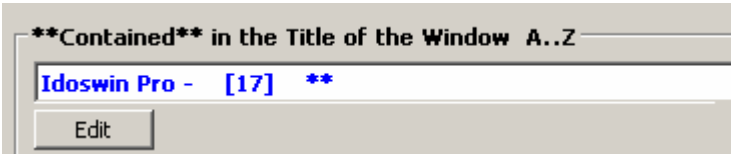
6.2.1.3 Contained in Window Title

Therefore WinSize2 has the option to search for parts of the title only, i.e. to search for text "Contained in the Window Title". To activate this option at first click an the "Edit" button:

This shows you the complete title:



If you remove the "D:\Scripte" you will see the "**Contained** in " which means that "Idoswin Pro –" can be somewhere in the title of the window, at the begin, in the middle or at the end:



When "Overwriting" the title with hotkey once, parameters in the list like the actual window position and size, the fixed parameters like "Contained", the title itself, the "-1" for "use the actual position / size", "always" and others are not overwritten. They are kept as defined before.

For "Contained in" the first entry in the list that matches with the window title is taken as actual entry and is overwritten / positioned / ….

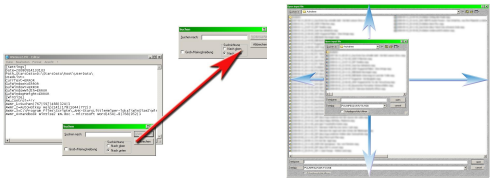
In the above example the title shows, "Idoswin Pro – D:\Scripte". If you want to resize every occurrence of "Idoswin Pro" not depended on the actual directory you should leave only these characters in the title line "Idoswin Pro".

And: This will position / resize Idoswin only once when opened the first time. If you left the directory in the title line the program would be repositioned every time the directory was changed back to D:\Scripte.

Click on "Cancel" to discard any changes made in this window until now (that means that the old INI file will be reread).

"OK" to accept all changes: This also will write the changes to the INI file.

> **Search method "Contained in …"**
>
> The entry in WinSize2's title list will be changed from "Complete Window Title" to "Contained in Window Title".
>
> So "Idoswin Pro" will only be found when started.



"Contained *somewhere* in Window Title"

I did not mention this explicitly: The text is found when it is contained somewhere in the title. It must not be at the beginning of the title.

And: There are no options to search text explicitly at the beginning or end of the title.

Example: Open a DOS-box and key in: "Title Search the string Idoswin Pro somewhere in the title". The box will be recognized and positioned at once.

Wildcard characters * and ? cannot be used

The wildcard characters ? and * (for any 1 or more characters) are not accepted.

There is no possibility to define two or more parts existing in the string (like in "*Part1*Part2*").

Regular Expressions are not recognized.

6.2.1.4 "Contained in": How to select the title text

WinSize2 can search for all parts of the title text; you can change the stored title text as you want.

Let us assume there are two windows with the titles:

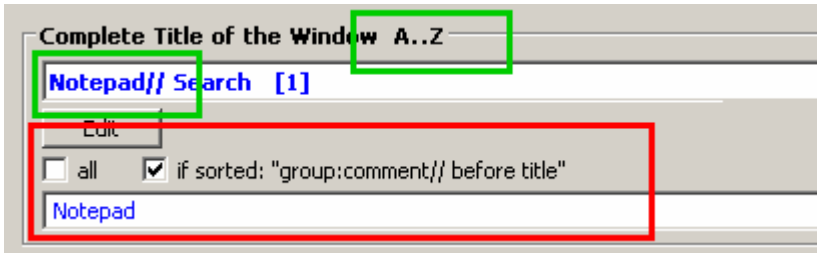
```
Quick search – Opera Browser

Should Opera store the file?
```

You want to change the main windows of Opera which all end with `"Opera Browser"` – in this `case "Quick search – Opera Browser"` and so `Edit` the title and only leave `"Opera"` for the title. In this case you (WinSize2) also changes the window `Should Opera store the file?` which in fact only has two buttons: Yes and No.

If you change the title text to `"- Opera"` only the main windows will be changed and the `Yes / No` window will not be changed.

6.2.2 Add a "Group:Comment" before the title



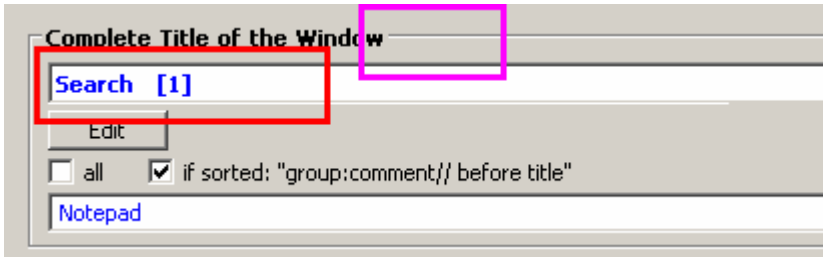
For every list a comment can be (but does not have to be) added (red rectangle). This comment is stored together with the other parameters and will also be shown when WinSize2 is loaded the next time.

> **In this line you may enter**
>
> (the red surrounded line) either only a "Group:" or a "Comment" or both, the "Group:Comment" or nothing (an empty line).

The comment in one line can explain what is shown in the title. More than one list entry can be assigned the same comment.

When the title lines are sorted (Extras-2: A .. Z or Z .. A) and one of the check boxes "all" or ".. prefix title with comment::" is selected (green rectangles), the comment is prefixed to the title and is included in the sort mechanism. E.g. if more than one comments start with "Notepad ..." they are shown one after the other.

If the title lines are unsorted (next violet rectangle, A .. Z *is not* shown) the comment is shown in the comment line but is not prefixed to the title and the title alone is shown sorted even if a comment is present.

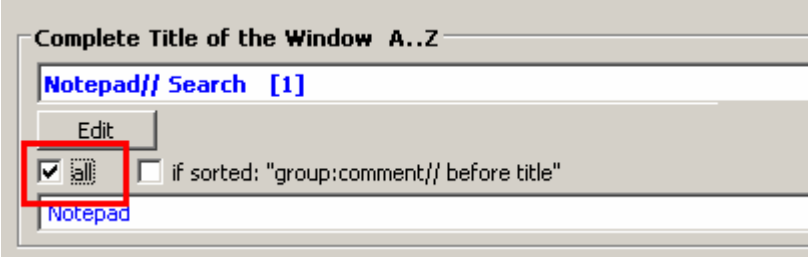


> **There is no effect**
>
> when a comment is inserted to the detection of a window. Which means: If there is a comment or not, the same window will be found.

Example:

All "Editor:…" related titles are sorted near each other. When using large lists you will find it easier to change one of the list entries.

6.2.2.1 Showing "all" comments

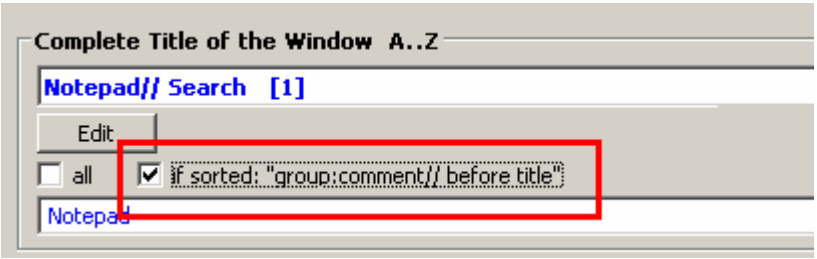


"All" is a common checkbox for "Special Parameters". If this is selected in one title the other "all" boxes in the other titles are checked too.

When you select the "all" checkbox, all comments are prefixed to the title if sorting is selected. The "prefix title with comment" does not have to be selected (but of cause it can be selected).

And of cause titles for those a comment is not appended will not show a comment.

6.2.2.2 If sorted: prefix title with a comment



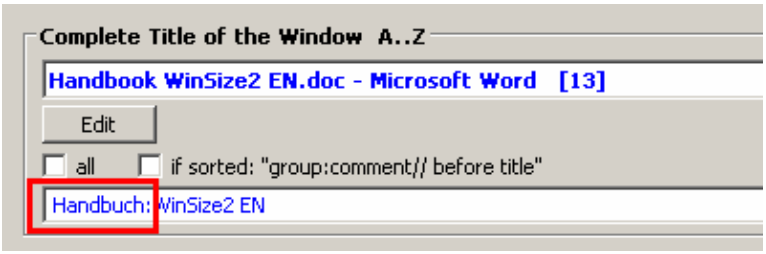
This is a checkbox separate for each title.

If this box is checked the comment for just this title is prefixed to the window title and is sorted with the title.

If this box is not checked, the comment is shown in the comment line but not prefixed to the title line (and of cause not sorted with the title).

6.2.2.3 Groups

A "group" is defined in the comment field too: the name of a group ends with a colon ":". The comment is following: "group:comment".



Example for a group of windows:

- Debug:Source window
- Debug:Output
- Debug:Values

You can act on all windows of a group or on a single window.

Action can be e.g. moving and resizing the window (again).

> **Actions on group-window**
>
> are explained in a separate chapter (p. 69).

6.2.3 Window position and size: keeping actual parameters

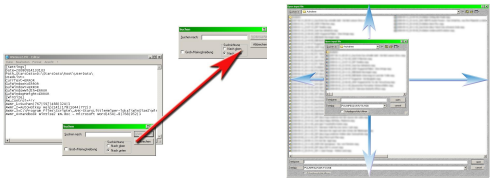
Normally the parameters for X- and Y-position (horizontal, vertical) to be moved to as well as the width and height of the actual window to be resized to are stored together with the title of the program (please see the picture at the beginning of the chapter).

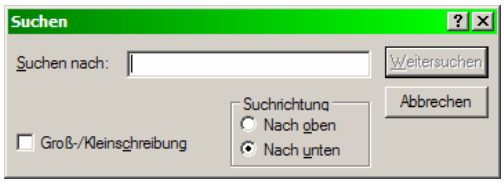
Each time the window is opened (created) as a new window this window is moved and resized to the values stored in WinSize2's list.

Example:

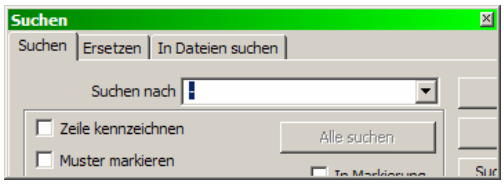
There will be one problem: Different programs use the same title e.g. for searching characters in the text. In our following example this is the "Search" ("Suchen") window.

Let us assume that the search window of Notepad had to be moved. It is a small window with only some options (you see the German example):



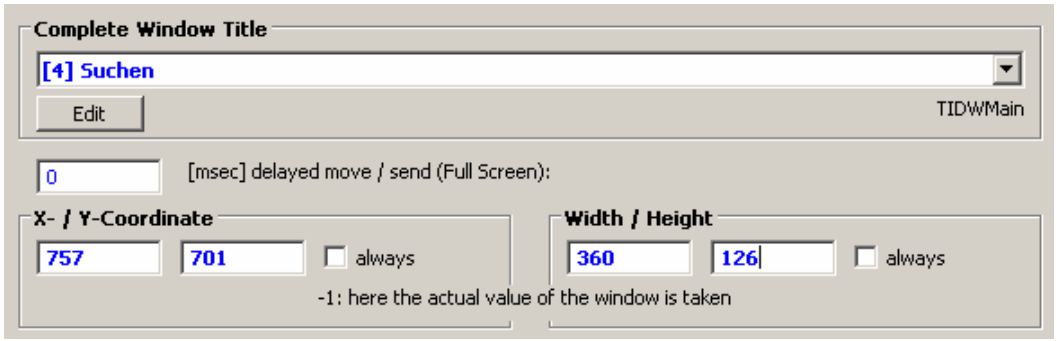


After "Inserting" this to WinSize2 also other windows named "Suchen" will be resized. So when you open the "Suchen" dialog of Notepad++ you will see only a part of it:



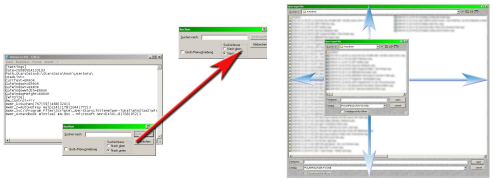
> **WinSize2 can alter parameters ...**
>
> that the normal user cannot change.
>
> In our example WinSize2 changes width and height of the Search window of Notepad++ to the size of the Notepad Search.

The "Special Parameters" will show:

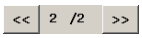


So repositioning is ok but resizing Width and Height leads to an unusable window. Therefore there is a possibility to exclude some parameters from being used.

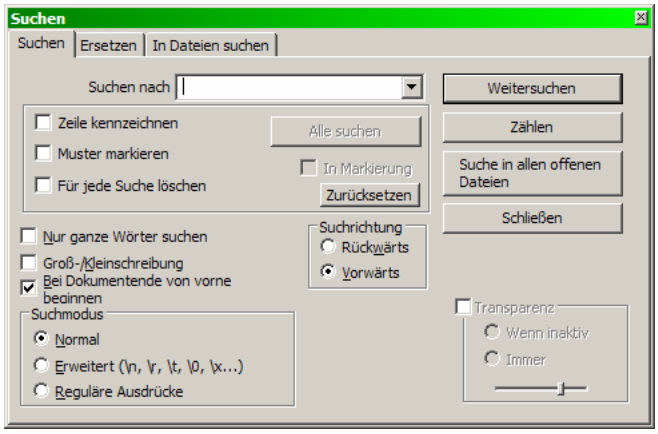
When you set these values Width and Height to "-1" the values from the actual window are used instead of resizing the window.



Fields that are set to "-1" will not be overwritten with pressing 1 times hotkey (which overwrites coordinates and sizes).

> **Do not forget: "Change" or "OK"**
>
> The parameters will be saved with a click on the "Change" or the "OK" button.
>
>
>
>
> If you try to alter the title number with  or if you click "Abort" you will get a message: "All changes lost?".

When you did the changes the new values will overwrite the entry in the program list and Notepad++'s Search-window will look like it should look:



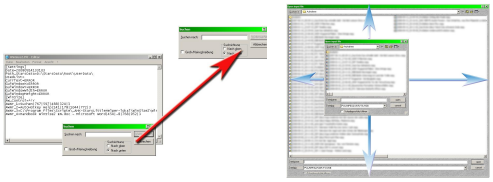
"Suchen" (Search) window of NotePad++

Sometimes it is necessary to close and reopen the program (in this example Notepad++) again as it remembers the size of its window not knowing that the user has changed the size (e.g. Notepad++ has this problem).

6.2.4 [msec] delayed move + send

There are windows where a significant time elapses between the first appearing of a window on screen and the full build up of the window. We have seen this with windows that are build up with Java (sometimes with complicated windows this time can be one second or more). And you can move a window only when the window is build up completely ("delayed move").

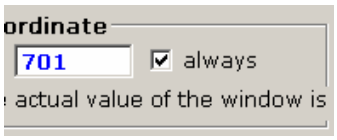
This time should be as well included from moving the window till sending characters to the window ("send").



When a windows from the list of programs is detected moving and resizing is delayed for a time before the window is affected.

The default value is 0 msec (which means: move and send characters at once).

6.2.5 *Unchangeable: X / Y / Width / Height: "always"*

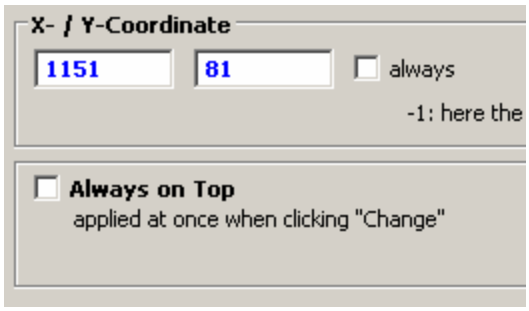


"Always" means: the window is not changed once when it is created but always if position and / or size is changed.

"Always" can be set for the "X- / Y-Coordinate" as well as for "Width / Height". Positions and size can be changed temporarily as long as the mouse button is clicked down. But when it is released, position and size are restored to it original positions.

Both positions can be set separately.

6.2.6 *Window is "Always On Top"*



Checking "Always On Top" means that the window associated is always shown on top of the windows stack (can always be seen, also if the windows not have the focus). (You can make a window invisible with attribute "On Top" by minimizing it.)

Unchecking the box makes the window to act "normal" again and gives you the possibility to send the window into the background again.

> **"Always On Top" is done at once after "Change"**
>
> Checking the "On Top" feature sets the on top-attribute as soon as the "Change" button is clicked (as well as the "On Top" feature is released after unchecking the checkbox).

This gives the possibility to set a window to the foreground or removing this feature without having to close and reopen it again.

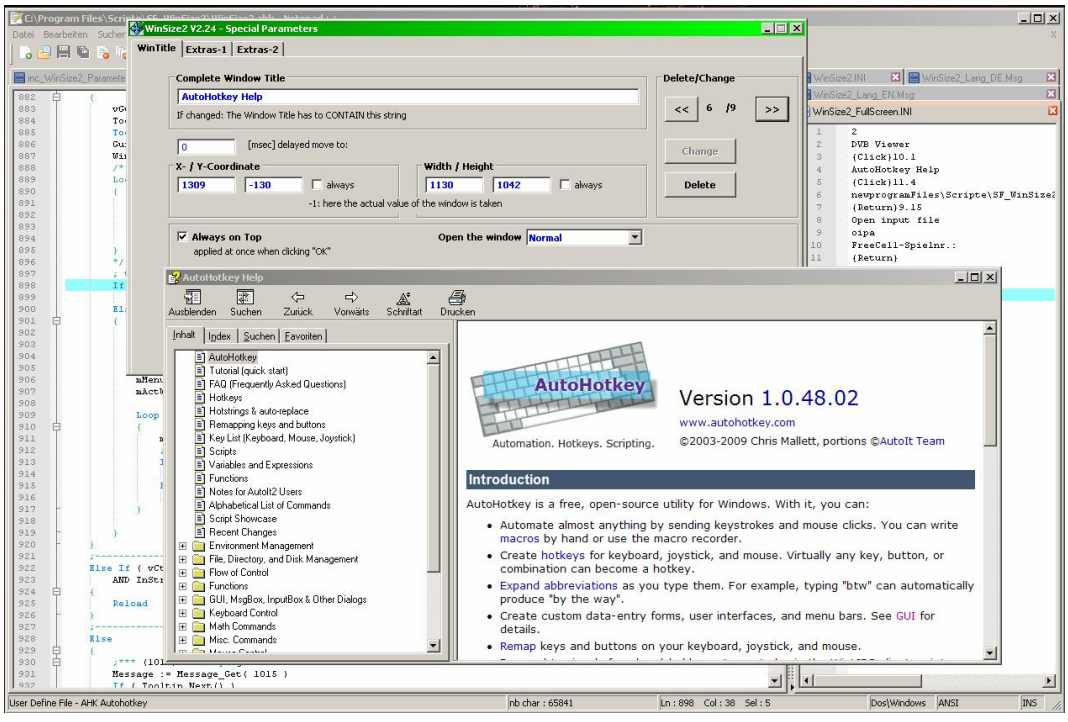
The "Always On Top" property is applied even if the window was moved before and so is not moved a second time.

Remember that the other parameters (the coordinates and sizes) are only applied to the window after appearing for the first time.

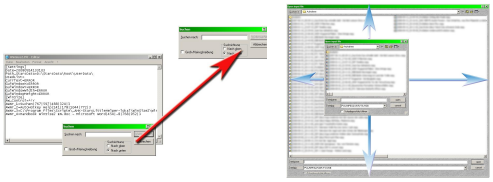
"Always On Top" removed when entry is deleted

When you delete an entry for a window with the parameter "Always On Top" set WinSize2 removes the "On Top" *property* of the window when clicking the button "Delete".

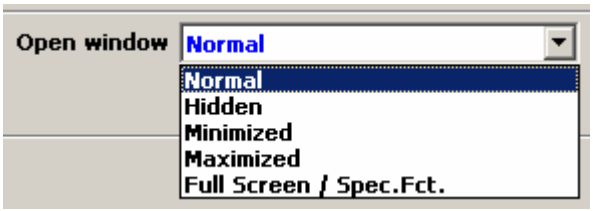
But: The entry in the list of windows is deleted, when you click the "OK" button.



The picture above shows the "Autohotkey Help" with the "On Top" attribute set in the foreground of the "WinSize2 Special Parameters" window having the focus.



6.2.7 Open the window Normal / Minimized / Maximized / FullScreen

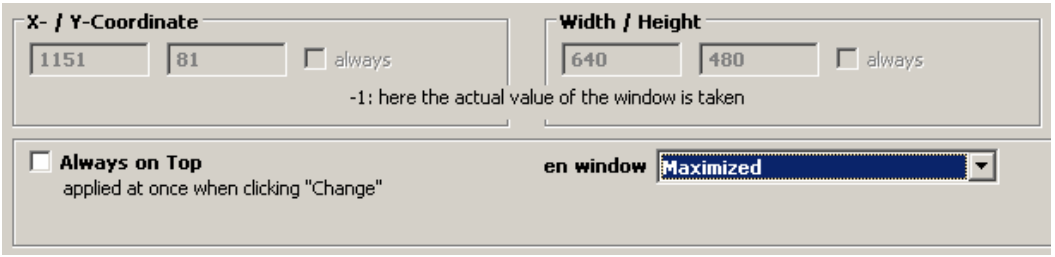


Like (most of) the other features of WinSize2 these options are used when the window is opened as a new window. This means that the windows is opened for a short while and then

- Normal: positioned and resized on (one of) the screen(s)
- Hidden: continue running but cannot be affected with the mouse.
- Minimized: send to the taskbar
- Maximized: positioned to the selected screen and maximized on that screen
- FullScreen: positioned to the selected screen and set to FullScreen on that screen.

> **Positioning and resizing is always done**
>
> What other action is executed thereafter the window is positioned and resized before that action.

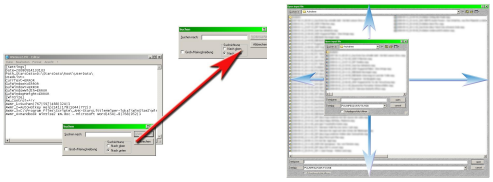
If you select another option as "Normal" e.g. "Maximized" the position and size values are greyed out:

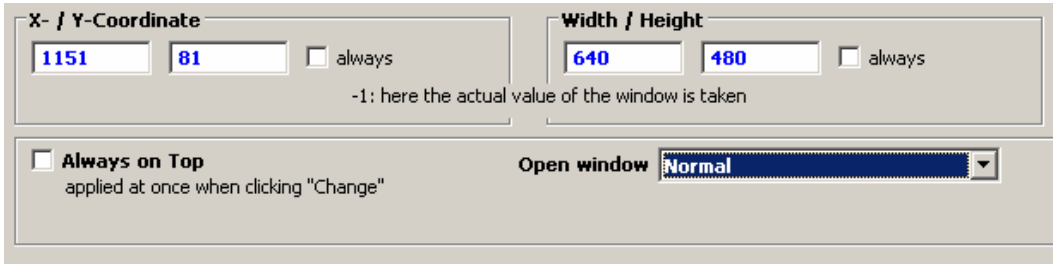


6.2.7.1 Open the window: Normal

This is the normal (and default) mode for interacting with a window. The window is positioned and resized to the values of X/Y coordinate and Width/Height.

You can change position and size manually:





6.2.7.2 Open the window: Hidden

The window is positioned and resized. Thereafter it is hidden from the screen and in the taskbar; so you cannot see if it still runs or not (except with the task manager).

Use this option for programs that run unattended in the background but in the user's context (with the user's rights).

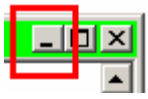
Under normal conditions you can stop (kill) such a program only with the task manager or with a special program like PsKill (www.sysinternals.com).

As the program runs in your user's context it is finished when you log off.

6.2.7.3 Open the window: Minimized

The window is positioned and resized. Then it is minimized to the taskbar. You can reposition it to the screen at any time with your mouse.

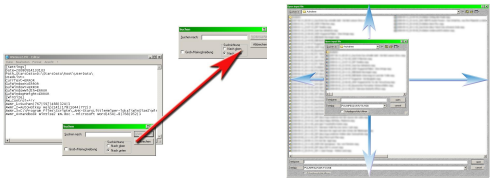
The effect is the same as if you click to the button "minimize".



6.2.7.4 Open the window: Maximized

The window is positioned and resized. This is important if you have more than one screen connected to you computer. Then the window is maximized on that screen where it was positioned to.

> **How to maximize correctly:**
>
> Position your window to that screen where you want it to be maximized.



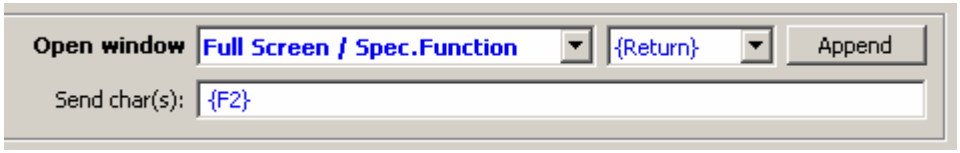
Insert or overwrite the position in WinSize2 (1 * hotkey).

In the "Special Parameters" set the "Open Window" action to "Maximize". The parameters for position and size are greyed out but are still active for positioning the window.

If you want to correct the first positioning revert to "Normal", change the position and go back to "Maximized".

This is the same as clicking to the window's button "Maximize"

6.2.7.5 Open the window: Full Screen



"Full Screen" mode means that the window covers the whole screen. Other windows are hidden and often the title line and options of the window are hidden too.

The "Full Screen" option positions and resizes the window but it does not maximize it. After moving the character sequence from the field "Send chars" is sent to the program (as if you would do it manually by the keyboard). This is necessary because the function "Full Screen" is not standardized which means that every program uses its own character sequence.

Many programs use the <F11>- or the <Return>-key to be set to full screen mode.

In the above example the window (e.g. of IrfanView) is positioned and (after a short delay of 0.1 seconds) a {Return} keystroke is sent to the program which switches IrfanView to full screen mode.

Send character(s) to the window:

Here you can select the characters that set the window to full screen mode. You can set one or more characters or mouse clicks.

If you program needs a double click to enter full screen mode write here: "{Click}{Click}". You can use any combination you need to use.

Here you see a "few" characters (from the AutoHotkey Help, topic "Send"):

Key Name	Resulting Keystroke
{F1} - {F24}	Function keys. For example: {F12} is the F12 key.
{!}	!

{#}	#
{+}	+
{^}	^
{{}	{
{}}	}
{Enter}	ENTER key on the main keyboard
{Escape} or {Esc}	ESCAPE
{Space}	SPACE (this is only needed for spaces that appear either at the beginning or the end of the string to be sent -- ones in the middle can be literal spaces)
{Tab}	TAB
{Backspace} or {BS}	Backspace
{Delete} or {Del}	Delete
{Insert} or {Ins}	Insert
{Up}	Up-arrow key on main keyboard
{Down}	Down-arrow down key on main keyboard
{Left}	Left-arrow key on main keyboard
{Right}	Right-arrow key on main keyboard
{Home}	Home key on main keyboard
{End}	End key on main keyboard
{PgUp}	Page-up key on main keyboard
{PgDn}	Page-down key on main keyboard
{CapsLock}	CapsLock (using SetCapsLockState is more reliable on NT/2k/XP). Sending {CapsLock} might require SetStoreCapslockMode Off beforehand.
{ScrollLock}	ScrollLock (see also: SetScrollLockState)
{NumLock}	NumLock (see also: SetNumLockState)
{Control} or {Ctrl}	CONTROL (technical info: sends the neutral virtual key but the left scan code)
{LControl} or {LCtrl}	Left CONTROL key (technical info: same as CONTROL for Win9x, but on NT/2k/XP it sends the left virtual key rather than the neutral one)
{RControl} or {RCtrl}	Right CONTROL key
{Control Down} or {Ctrl Down}	Holds the CONTROL key down until {Ctrl Up} is sent. XP/2000/NT: To hold down the left or right key instead, use {RCtrl Down} and {RCtrl Up}.
{Alt}	ALT (technical info: sends the neutral virtual key but the left scan code)
{LAlt}	Left ALT key (technical info: same as ALT for Win9x, but on

	NT/2k/XP it sends the left virtual key rather than the neutral one)
{RAlt}	Right ALT key (or AltGr, depending on keyboard layout)
{Alt Down}	Holds the ALT key down until {Alt Up} is sent. XP/2000/NT: To hold down the left or right key instead, use {RAlt Down} and {RAlt Up}.
{Shift}	SHIFT (technical info: sends the neutral virtual key but the left scan code)
{LShift}	Left SHIFT key (technical info: same as SHIFT for Win9x, but on NT/2k/XP it sends the left virtual key rather than the neutral one)
{RShift}	Right SHIFT key
{Shift Down}	Holds the SHIFT key down until {Shift Up} is sent. XP/2000/NT: To hold down the left or right key instead, use {RShift Down} and {RShift Up}.
{LWin}	Left Windows key
{RWin}	Right Windows key
{LWin Down}	Holds the left Windows key down until {LWin Up} is sent
{RWin Down}	Holds the right Windows key down until {RWin Up} is sent
{AppsKey}	Windows App key (invokes the right-click or context menu)

Programs that can be switched to Full Screen mode:

Program	Character	used for
Irfanview	{Return}	Viewer for pictures
PowerDVD	"Maximized"	Movie player
DVBViewer	{Click}{Click}	TV recorder
MS-WinWord	{Alt}VU	"V"iew / f"U"ll screen dependent on "Regional Settings"
Notepad++	{F11}	the better editor

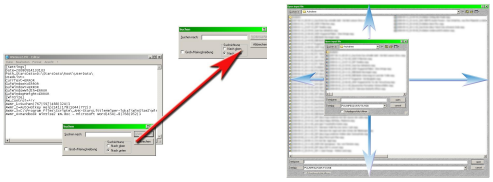
Database "Full Screen"

A window switched to "Full Screen" is recorded in a little database. So the configured characters are available later on.

When you alter a window title the title in the database is altered to the new title. The old entry is deleted and the new one is entered.

Other entries are never deleted.

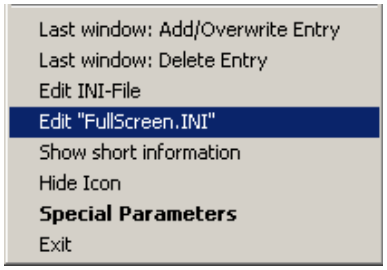
If you switch a window from "Full Screen" to any other mode (like "Minimized") or if you delete a window title the entry in the database is kept.



When this title is used at a later time as "Full Screen" the characters from the database are used again.

The database is stored in:

```
"C:\Documents and Settings\<User>\Application Data
\MagraSoft\WinSize2_FullScreen.INI"
```



In the database you will find two lines for each window: the title and the characters sent to the window. Using the context menu in the taskbar you can change the database:

Choose: Edit `"Full Screen.INI"`

In Notepad you see the contents of the file (you should not change the "2" in the first line – this means that two line belong to each entry):

```
2
- IrfanView
{Return}
FreeCell
{F2}
```

When you save your changes und finish Notepad, the file is read in again.

> **Please note that**
>
> you should not change this file from outside when WinSize2 is running. It would be overwritten with the old values.

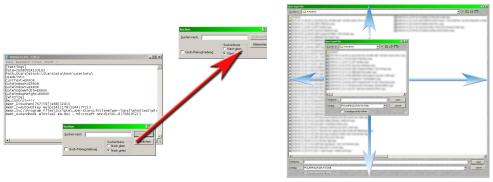
6.2.7.6 Open the window: Full Screen + Special Function

"Full Screen" sends one or more characters to a new appearing window as if you typed these on the keyboard.

Normally these characters inform the application that the window has to be switched to "Full Screen" mode. (This is a function of the application, not of the operating system that handles the window. Therefore the character sequences vary from application to application.)

But you can send any characters you want. You are not restricted to the characters used for "Full Screen" mode.

You could "misuse" this option e.g. to invoke the file open command of a program.

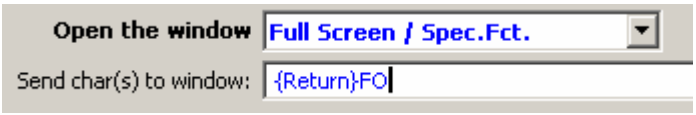


Example 1: Invoke the "Open" function of Notepad

Select the properties:

and:

and:



English Notepad version

The above characters (specially "FO" for File Open) are valid (only) for the English version of Notepad. In your localisation of Notepad this will (in most cases) be different.

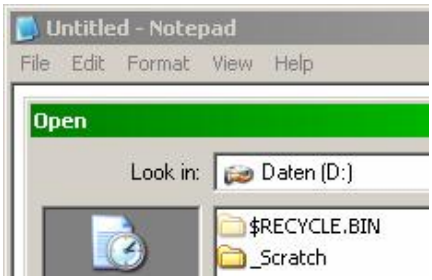
Delay for sending characters

Some windows take their time until they are fully built up (especially those using Java). So when such a window is moved it is rewritten. You will have to wait a time until you can write into this window.

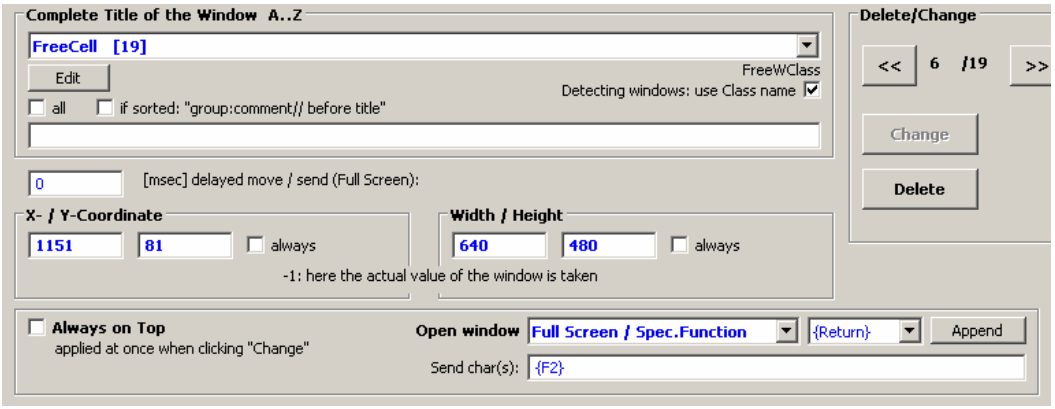
The delay for moving a window after detection is also used as the delay after moving until the characters are written to this window.

You will have to experiment a little bit until finding the best time.

... and you will see something like (the shown directories will be different):



Example 2: Freecell is positioned and a new game is loaded



Example 3: Fill text into a mask's textfield

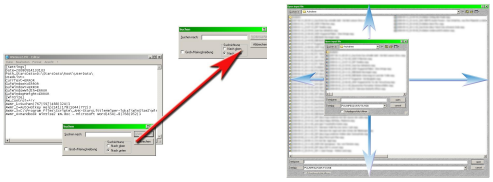
A program for selecting the name(s) of measuring channels constantly refuses to move the writing cursor into the only possible field for input (when the mask is opened). And it refuses to remember the text that was input when invoking the mask the last time.

(Ok, WinSize2 too today cannot remember the text that was input at last. You only can put in the text directly in the "Special Parameters".)

4 {Tab}s are necessary to reach the textfield. The text to be filled in could be e.g. "Temp*" for selecting all the channels that measure temperatures. A {Return} is given to show the selection of channels.

Finally the text should be marked, so that the user only has to type a new selection without having to delete the old input. After sending the {Return} the cursor is positioned at the beginning of the line: The text can be marked completely by a: {Shift Down}{End}{Shift Up}.

which results (in this special case) to a mask:



How to get the right characters:

Open you favourite program and use the keyboard to navigate to the option you want to select. Translate special characters according to the table in the last chapter. Which means that you can send the Alt-key e.g. with the string "{Alt}" and the F2 key with "{F2}" (compare to the above table).

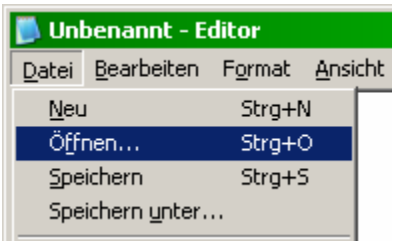
Clicking WinSize2's "Change" and "OK" button saves everything.

These functions will be automatically executed each time a new window (with the "Untitled – Notepad" title) appears.

How to reach the menu line:

Use the <Alt> key to activate the menu line.

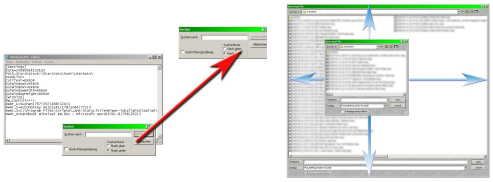
In Notepad when you type <Alt> D F you will reach:

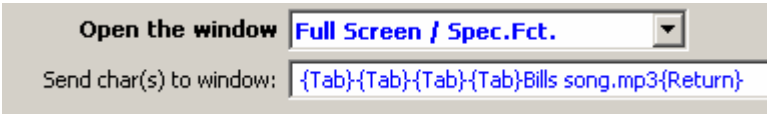


> **Use the keyboard,**
>
> not the mouse. With the mouse the underlined characters ("D" in "Datei" in the menu line and the "f" in "Öffnen")might not be shown.

Finding the correct delay:

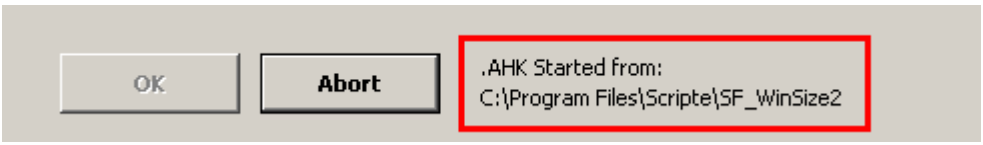
You opened the window and tested the correct sequence of keys: Let's assume the 4 times {Tab} brings you to you to the input field for the filename, you write the name "Bills song.mp3" and close the window with a {Return}. Fill in:





When the song title is filled in as in the manual test before everything is ok. Otherwise you should enlarge the "[msec] delayed ..." field until filling the song title works correctly.

6.2.8 Started from:

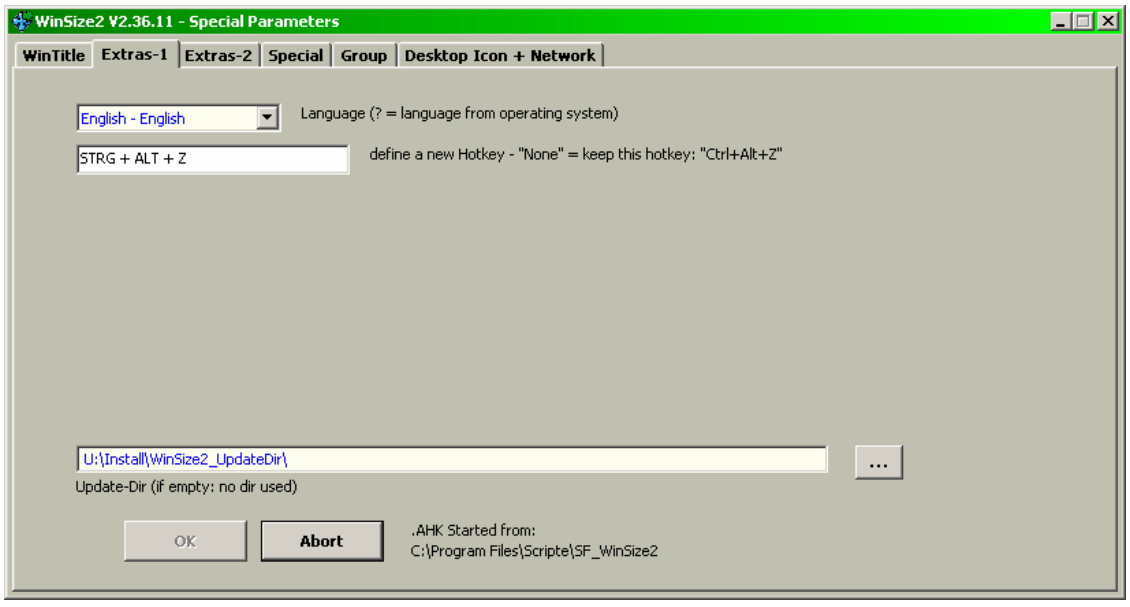


shows you as an information the directory where WinSize2 was started.

".AHK ..." means that the source version WinSize2.AHK has been startet (in contrary to ".EXE" for the started WinSize2.EXE.

This is useful when you are searching for missing parameter files.

6.3 Tab Extras-1



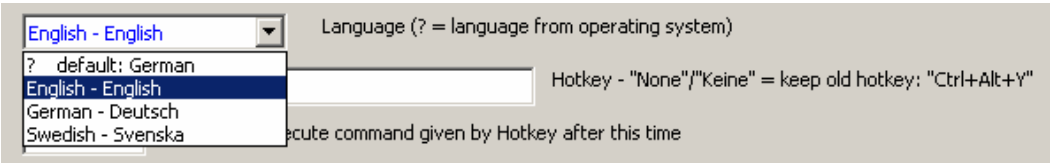
6.3.1 *Language Setting: Language=?*

The language settings, known messages *till now* are:

Key	Meaning	by
?	take default language from operating system (the language has to be known by WinSize2 and the corresponding language file has to be supplied); if the specific language file does not exist: take default messages: English; if the English language file does not exist: you will see message numbers.	
English	English	Magra
German	Deutsch	Magra
Swedish	Svenska	Magnus

Translating to a new language and how the language file is build up is explained on p. 76.

Selecting a language:



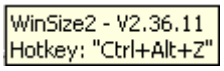
In the installation directory WinSize2 searches for files in the form `"WinSize2_Lang_*.msg"`. Any characters can stand for the asterisk "*"; the characters will be shown in the selection menu together with the name of the language that is supplied in the message `M1001`. There can be many translation files, they do not have to be installed in WinSize2. Every file of the form of name found is included in the selection menu.

6.3.2 *The Hotkey: selectable normally. Ctrl+Alt+Z*

The default for English users is the key combination Ctrl+Alt+Z, German users may prefer to use Ctrl+Alt+Y (which is the German default).

(The characters shown for "Ctrl" and "Alt" depend on the regional settings of Windows not on the setting of WinSize2. So in the screenshot you see the German regional setting STRG (Steuerung) instead of the English "Ctrl".

To see the actual setting of the hotkey move the cursor on the WinSize2 icon:



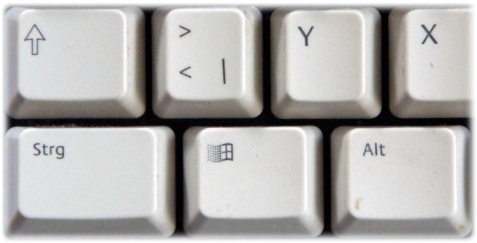
Any Hotkey can be configured:

As long as it is not used by another program!

Try any combination of Shift, Ctrl, Alt or/and Win together with a character key. The "Hotkey" field will echo the characters you selected.

Therefore you cannot set the hotkey to the actual key. The entry is set to "Keine" = "None" in this case.

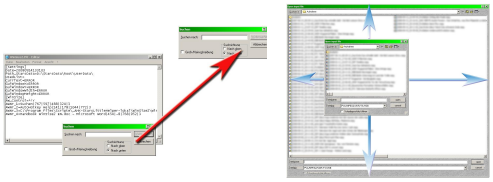
QWERTZ: German keyboard layout



If you try to enter the actual hotkey (in the above example "Ctrl+Alt+Z" for a QWERTY keyboard) you will see "None" (depending on the actual language setting of the Windows OS) in the hotkey field. This means that the old hotkey will not be changed.

You may changed the default hotkey depending on the keyboard type you are using (you find your "keyboard type" when you read the second lines of caps starting right of the "tabulator" key; someone decided to name the "Ctrl" (Control) key "Strg" (Steuerung) on the German keyboard):

Hotkey	Keyboard type layout
Ctrl-Alt-Z	QWERTY: English (referring to the uppermost letter keys of the keyboard)
Strg-Alt-Y	QWERTZ: German
Ctrl-Alt-W	AZERTY: French, Spain, ...



6.3.3 Update-Dir

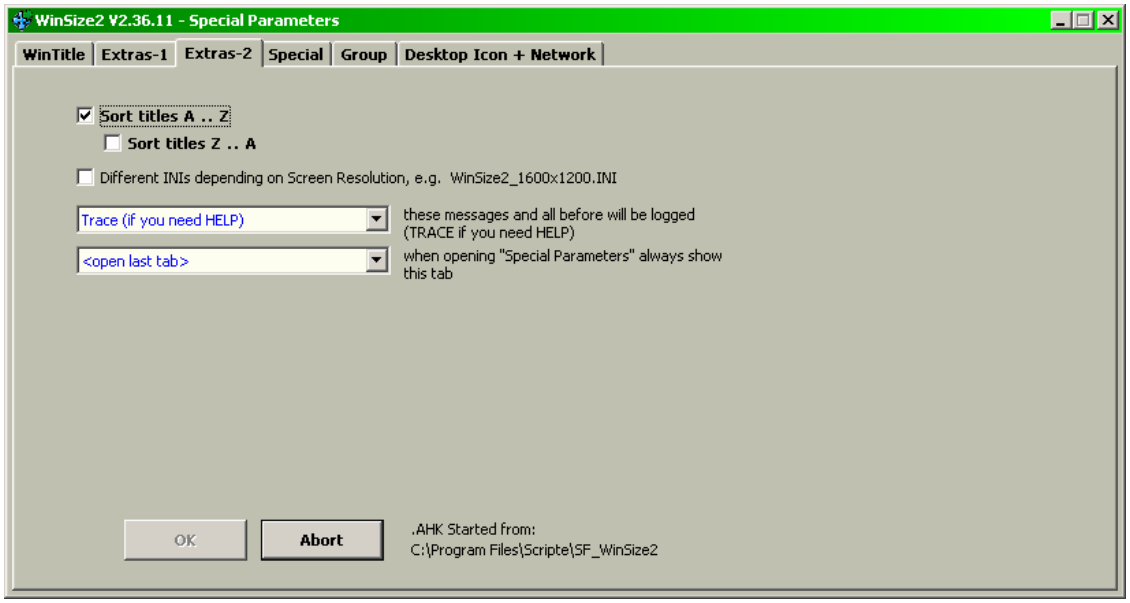
Here you can select a central directory (e.g. on a server) that is used as update directory for WinSize2.

This directory is monitored every some seconds. If new files are detected (compared to its own files) WinSize2 copies these to its own (local) directory and restarts. You only have to copy the contents of the Zip package to the server's directory; the rest is done by the WinSize2 application.

Many workstations can monitor one update directory.

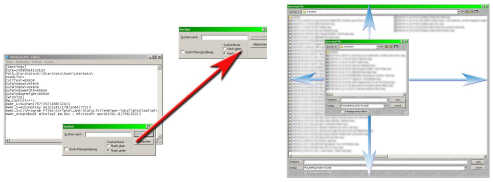
If you do not want to use central updating leave this field empty.

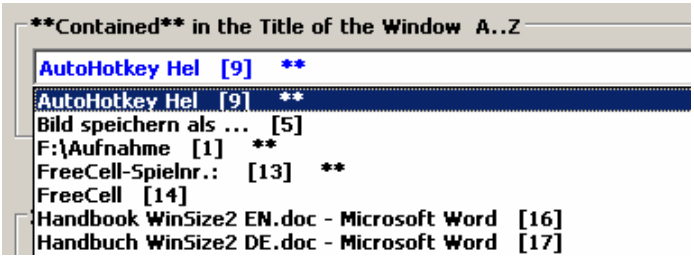
6.4 Tab Extras-2



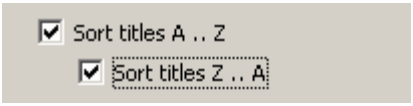
6.4.1 Sort titles A .. Z

Titles on the tab "WinTitle" are sorted and shown alphabetically ascending. To set sorting to another mode you will not have to click OK; just change the mode and switch to the tab "WinTitle".

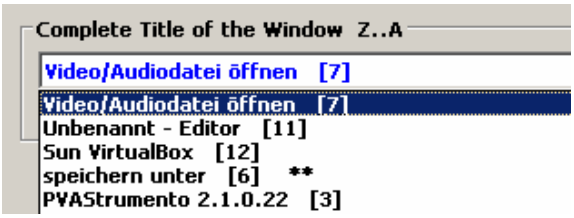




6.4.2 *Sort titles Z .. A*



Titles on the tab "WinTitle" are sorted and shown alphabetically descending. To set sorting to another mode you will not have to click OK; just change the mode and switch to the tab "WinTitle".

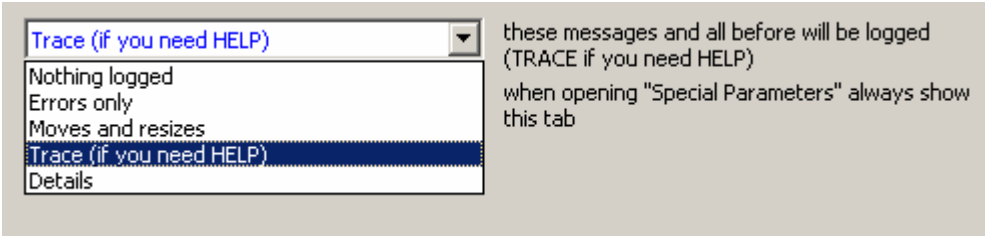


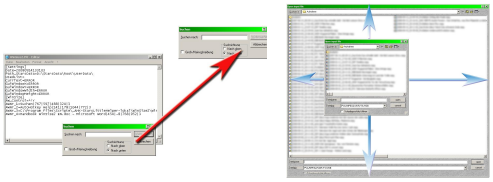
6.4.3 *Different INIs with Screen Width*

If you are using different primary monitors e.g. on a notebook (the build in screen in the notebook or an external monitor) you can select "Different INIs" to handle windows differently with different resolution (please see the detailed description on p. 29).

6.4.4 *What to log: ...*

The log shows which parts of the program were run through when a window was moved and resized. It shows why the window was moved or why not.





The default Level is: Trace

Each LogFile_Level shows the lower levels too. Which means that level "Trace" shows the levels "nothing ...", "Errors only", "Moves ..." and "Trace".

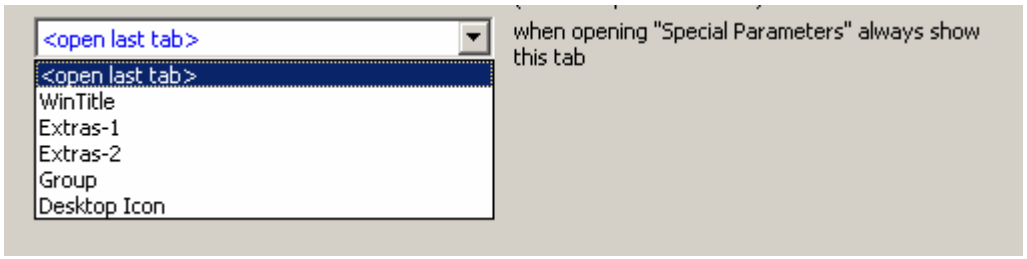
LogFile_Level	what is logged
Nothing logged	(!! or nearly nothing) only the start of WinSize2 is logged but no messages at run time
Errors only	error messages
Moves and re-sizes	moves and resizes: positions and sizes
Trace	trace messages If you need help, you should select this report level. Only then I can see what WinSize2 did in the meantime.
Details	detailed messages also a nice selection for help

In the log file you will find these messages:

```
          +------------ Number incremented every e.g. 100 msec
          !      +----- Level of the message shown
          !      !
   time    number level info
---------- ------ ----- --------
11:54:08.5 [6388] 3     Trace: :1=Handbuch WinSize2 DE.doc - Microsoft Word:1.0.1=Handbuch WinSize2 DE.doc - ...
11:54:08.7 [6389] 2  == Restored to:Handbuch WinSize2 DE.doc - Microsoft Word Cls:OpusApp: M:3  7/ 6/ 942/ 1127
11:54:08.8 [6389] 2  == Move FULL_in_Table  :Handbuch WinSize2 DE.doc - Microsoft Word Cls:OpusApp: 7/ 6/ 942/ 1127
                        (before: 7/ 6/ 942/ 1127) [after: 7/ 6/ 942/ 1127]
11:54:08.8 [6389] 2  == > Insert [Excl:2] :Handbuch WinSize2 DE.doc - Microsoft Word: Cls:OpusApp ID:0x12057a M:3
11:54:08.8 [6389] 3     Trace: :1=Handbuch WinSize2 DE.doc - Microsoft Word:1.0:101-0 :101-0:2=18:3=0,0x12057a:4:5:8a
11:54:17.0 [6519] 3     Trace: :1=F:\Aufnahme\2009-12-01_01-10-02_SWR Fernsehen RP (ger)_Treibjagd.mpg:1.0:2=0
11:54:19.0 [6551] 3     Trace: :1=Handbuch WinSize2 DE.doc - Microsoft Word:1.0:101-0:101-0:2=18:3=0,0x12057a:4:8a
11:54:31.2 [6743] 2  == Restored to:Handbook WinSize2 EN.doc - Microsoft Word Cls:OpusApp: M:3  968/ 7/ 942/ 1127
11:54:31.3 [6743] 2  == Move FULL_in_Table  :Handbook WinSize2 EN.doc - Microsoft Word Cls:OpusApp: 968/ 7/ 942/ 1127
                        (before: 968/ 7/ 942/ 1127)  [after: 968/ 7/ 942/ 1127]
11:54:31.3 [6743] 2  == > Insert [Excl:3] :Handbook WinSize2 EN.doc - Microsoft Word: Cls:OpusApp ID:0x35039e M:3
11:54:31.3 [6743] 3     Trace: :1=Handbook WinSize2 EN.doc - Microsoft Word:1.0:101-0:101-0:2=17:3=0,0x35039e:4:5:8a
11:56:21.1 [8499] 2  == PUSH ShellMessage to stack  :WinSize2 : Cls:AutoHotkeyGUI
```

6.4.5 ... always show this tab

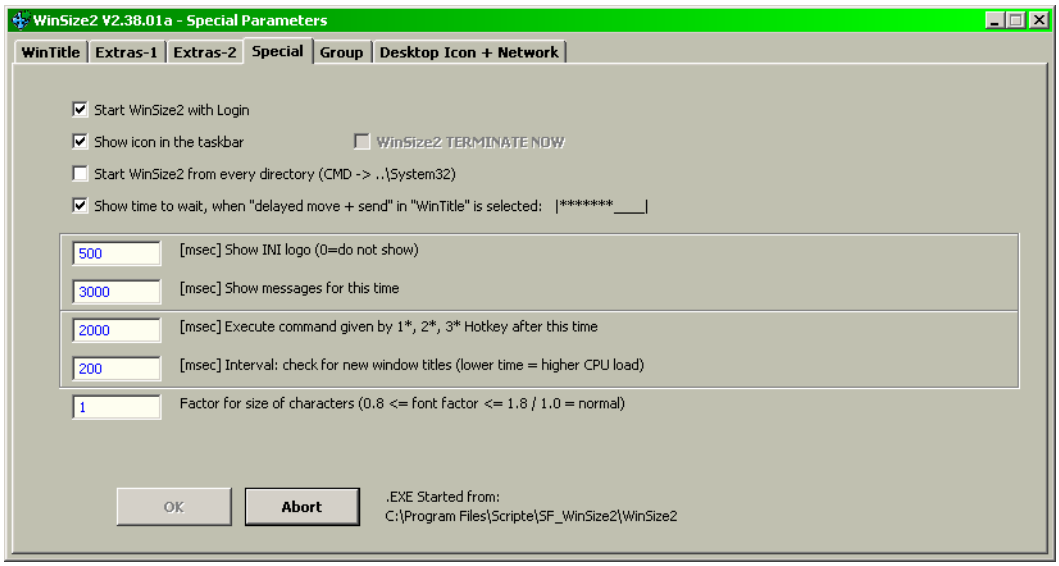
"when opening 'Special Parameters' always show this tab"



Select a special tab that will be shown when opening "Special Parameters" or select "<open last tab>".

6.5 Tab Special

The tab "Special" contains parameters that will be changed seldom.



6.5.1 Start WinSize2 with Login

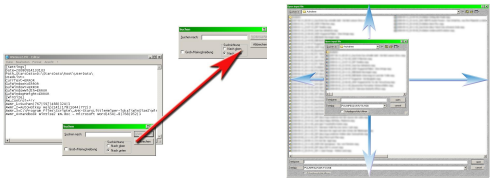
Checking this box starts WinSize2 with the users login.

Entry in the registry

The auto start option is the only entry made in the registry by WinSize2.

HKLM\Software\Microsoft\Windows\CurrentVersion\Run

This entry is deleted when you uncheck the option.



Cannot be checked if …

… you run the source version (WinSize2.AHK).

If you want to start the source version automatically start it with a batch script in the Startup directory.

6.5.2 Show icon in the taskbar

Clicking this checkbox hides or shows the WinSize2 icon in the taskbar.

Access to WinSize2 when icon is hidden

works only through the defined hotkey. Please remember that when the icon is hidden there is no hint (tooltip) of the used hotkey. This may be especially a problem when the hotkey is changed.

Your only possibility: change the INI files with an editor (s. p. 18).

6.5.3 WinSize2 TERMINATE NOW

If "Show icon in the taskbar" is not selected you cannot terminate WinSize2 in the normal way by a right click to the icon and "Exit". (Of cause the task manager can terminate WinSize2 at every time.)

In this case you can select "TERMINATE NOW". A click to the OK button terminates WinSize2 without confirmation.

6.5.4 Start WinSize2 from every directory

WinSize2 can execute some functions independently from those described in the "Special Parameters" e.g. renaming the title of a window (as described on p. 36).

(Only) in this special case WinSize2 can be started a second time an can run in parallel to the already running WinSize2.

Here you can start WinSize2 manually or from a batch file a second time and you can rename a window with the command:

```
WinSize2 /RenameTitle <Old_Title> <New_Title>
```

When you select this option "Start WinSize2 from every directory" a command file is inserted in the directory "%WinNT%\System32". If you uncheck the option the file is deleted again.

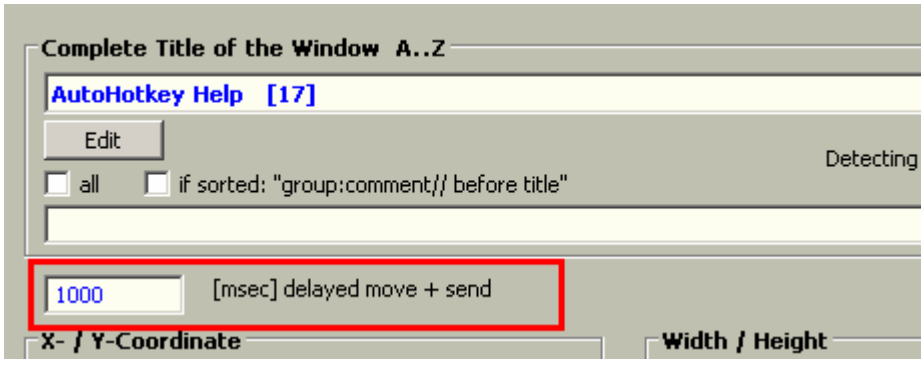
The name of the command file is "WinSize2.cmd":

```
Rem --- Batch file created automatically by: WinSize2.EXE
Rem     2011-01-30  13:43
"C:\Program Files\Scripte\SF_WinSize2\WinSize2\WinSize2" %*
```

> **Admin rights are needed**
>
> When you want to write or delete files in System32 you will need more than the rights of a normal "User" (Power User or more).

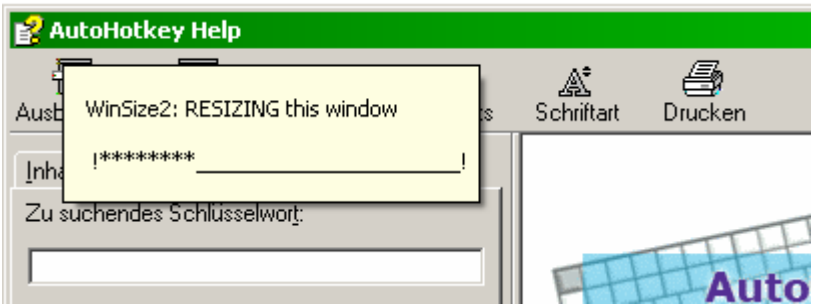
6.5.5 *Show time to wait, when "delayed move + send" is selected*

In the tab WinTitle you can select that actions with a special window (like moving or resizing) is done some time after the window is created (shown on the desktop) – see "[msec] delayed move " p. 51.



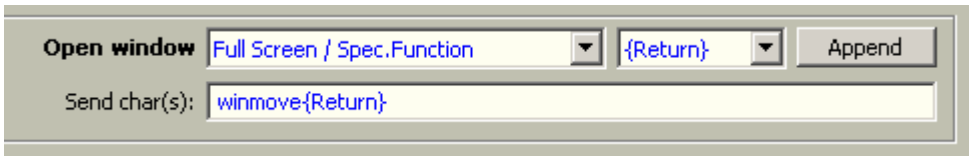
Moving and resizing the window

When this option is activated WinSize2 during the time delay shows a yellow window (tooltip) indicating a progress bar of the time to wait. This specially makes sense for longer wait times to show that WinSize2 will operate when the time has elapsed.



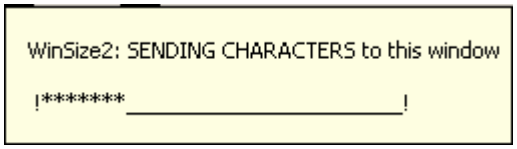
Sending characters to the window

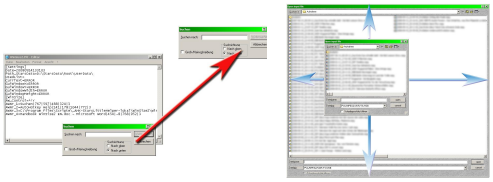
(Only if the option "Full Screen / Spec. Function" is selected.)



When sending characters to the window is selected with "Spec. Function" a second time wait is generated between "RESIZING" and "SENDING CHARACTERS" to the window.

(In this special example the keyword to be searched for ("winmove" + Return-character) is set into the field "zu suchendes Schlüsselwort").





6.5.6 *Show the INI logo*

The initialization logo is shown for this time [msec]. WinSize2 is already active while showing the logo (not depending on the length of this time).

The 4000 msec in the above example mean that you see the logo for 4 seconds.

If you do not want to see the logo at startup set the time to "0". But you do not win any time as WinSize2 is operating from the start on (including the time when the logo is shown).

6.5.7 *Show messages for this time*

Messages (sometimes called "tooltips" – such as the execution of a command: Inserted NEW: (3) :) are shown by WinSize2 for a time and removed thereafter.

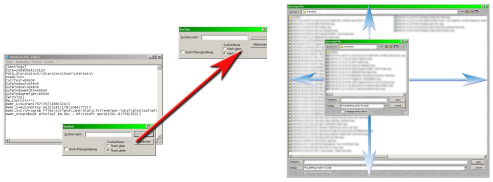
The default time for showing messages is: 3000 msec = 3 seconds.

6.5.8 *Execute command given by Hotkey after this time*

When you type the Hotkey you will have time to type it another time until the command is executed.

With the standard setting you will have 2 seconds after the first typing of the hot-key (shown as "Insert/Overwrite") to type it a second time (shown "Delete") and another 2 seconds to get to "Special Parameters".

When this time is expired the command is executed. E.g. having typed the hotkey 2 times the command "Delete" is executed.



6.5.9 Interval: check for new window titles

This is the interval when WinSize2 checks for the appearance of new windows.

Every entry in the list of programs is checked after the interval. If a new window appears (and the title is entered in WinSize2's list) the window is moved and resized according the parameters saved.

Setting this time to 100 msec = 0.1 seconds (which is the default) should be no problem.

6.5.9.1 CPU load

On a nearly actual computer (AMD 2.4 MHz, XP) the percentage of CPU used was about 1 %.

On an older computer with the good old Pentium processor (200 MHz, 32 MB memory, W98 Second Edition) and 100 msec check interval the CPU load was about 1 %. You could test this with Sysinternal's Process Explorer (freeware). You will find the source version as "Autohotkey.EXE" with WinSize2.AHK as start parameter, the EXE version as WinSize2.EXE.

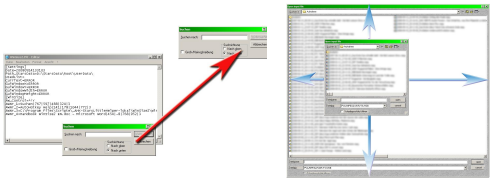
6.5.10 Factor for size of characters (0.8 <= font factor <= 1.8 / 1.0 = normal)

You can enlarge (or reduce) the size of the characters in "Special Parameters" proportional. This factor ca be in the region from 0.8 to 1.8. If a size outside the boundaries of this region is entered the factor is set to 1.0.

> **Too small / too big factors**
>
> can lead to fonts that are not readable (factor 0.8) or to fonts where the message does not fit into the fields on screen (factor 1.8).
>
> You are responsible for the correct setting of this factor.

The messages of the "Special Parameters" were tested under a setting of 96 dpi (dots per inch – can be changed with "Properties of ... / Settings / ... / DPI settings"). All messages fitted in the respective fields.

The program recognizes the actual DPI-setting and corrects the font size according to the setting. If you are using the non standard setting of 96 dpi, e.g. 120dpi or 144dpi, the font size can be to small or to big. You can correct this with this factor.



6.6 Tab Group

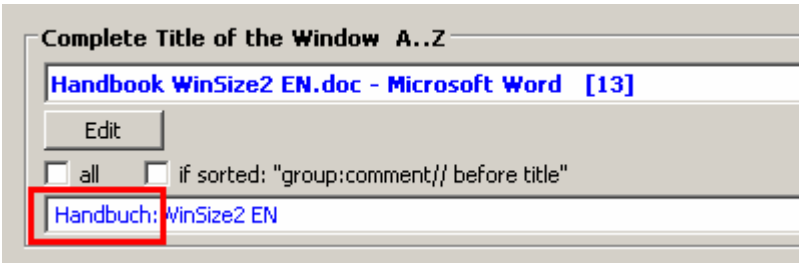
In short:

Combine some windows under one group name. Choose the name in the group tab and click: "Resize all windows of that group (again)". All associated windows of the group are resized short after each other.

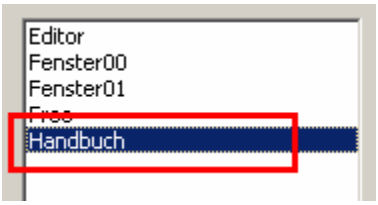
You can apply an action for all windows of a group or a single window only. This action is done even if it was already done before. This means: normally a window is moved only once (when it is created and becomes visible on the screen). After the first move it remains at the place where it was put to automatically or moved to e.g. with the mouse.

Depending on what is marked (the group or a window of the group) the action is done for all windows of the group or a single group only.

6.6.1 Defining a group



The group name is the first part of the comment till to the first colon ":". You will find this name again in the group tab:



6.6.2 Actions for groups

6.6.2.1 Moving / resizing

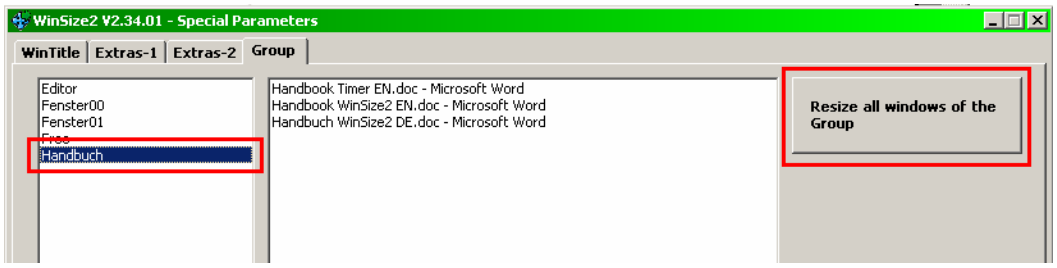
Actions:

- Move / resize all windows of the group

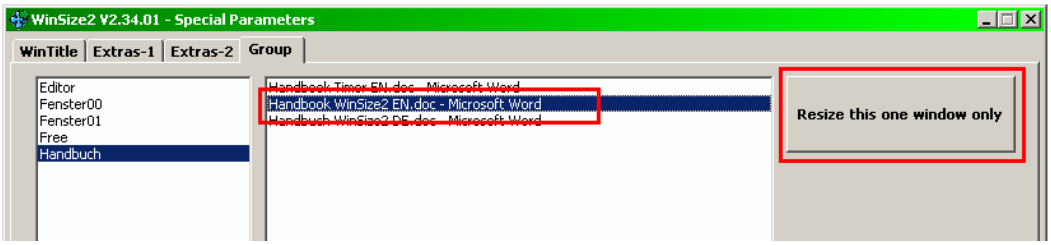
- Move / resize one window in the group

Moving is applied to one or more windows. And it is done whether the windows has the focus or not.

If the window does not have the focus before the move it does not have the focus after moving.



Move / resize *all windows* of the group: select the group name

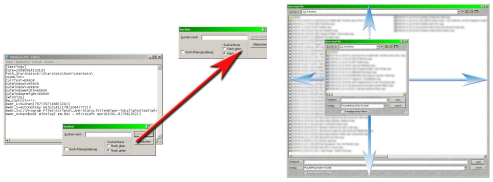


Move / resize *one window* in the group: select the window name

6.7 Tab Desktop + Network: Desktop Icon Positions

The positions of all desktop icons can be

- saved manually and
- restored manually by the user.
- WinSize2 can monitor the **icon positions** and if changed can ask the user for an action: save the new properties, restore the old ones or to quit (Enabled and timeout set to 60 sec).
- WinSize2 can restore the settings of all icons automatically with every start (disabled per default)



- You can store the positions in a data file (which is slower) or in the registry (registry is disabled today)
- The **network settings** can be stored and restored according to the screen settings.
- Network settings can be stored and restored manually under a name defined by the user. This is independent from the screen resolution.

I included this possibility specially for the user of notebook who often use it with different screen resolutions. They often use the built in monitor e.g. with 1280 pixel for the work at home, in the company they may use a monitor with 1920 pixel. WinSize2 now has the possibility to save icon positions separately for both resolution and to restore the one or the other position setting when the resolution changes.

But also if you only use one resolution with your computer, WinSize2 can assist you checking changed icon positions. This is specially helpful when Windows some times unexpectedly decides to scramble your icon positions or arrange them nicely at the left side of your screen so that you have more space for new things.

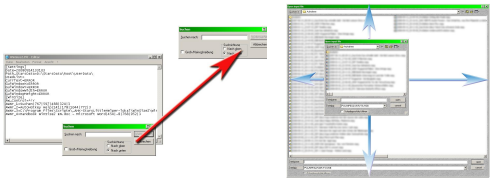
With every new icon situation (renaming, repositioning, deleting one or including a new icon) you will be asked to decide what to do: Saving the new situation, restoring the old one or to quit.

> **An test for icon changes**
>
> is made automatically, as said only if you selected it, with every initialization (i.e. start) of WinSize2, with the change of the screen resolution or if you selected a manual search.

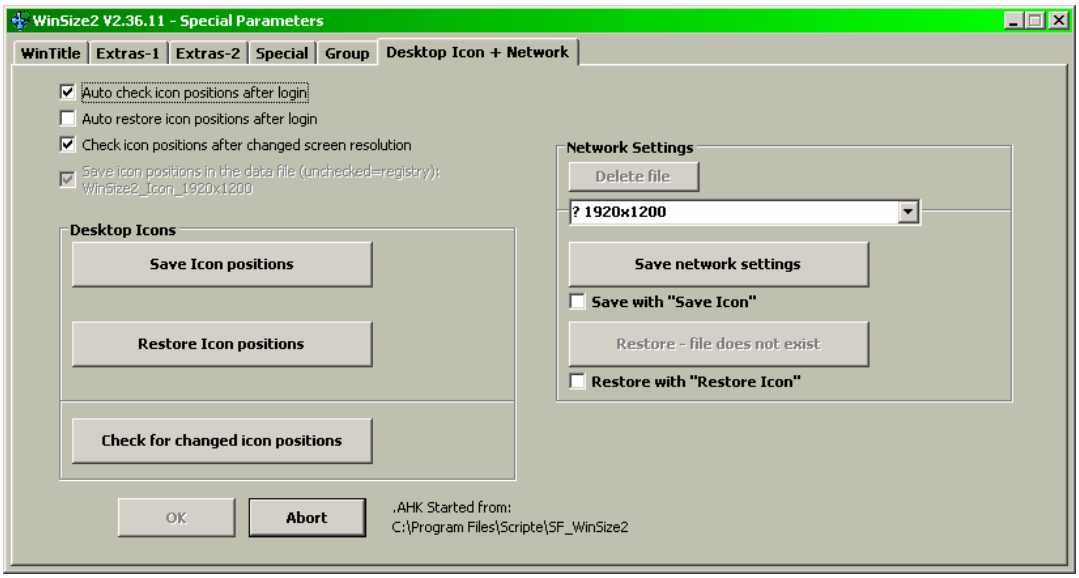
> **(Today) it is not possible**
>
> to start the message box for changes automatically with each change in the icon situation or to start it periodically (e.g. every x minutes). (Mainly because the execution is time consuming and because of the problem of popping up message boxes while you work.

Normally the icon positions are saved in a data file on disk. The directory is the Magrasoft directory. The name is automatically chosen from the properties of the Monitor and cannot be altered manually. Only the primary monitor is taken into account. For a (primary) monitor that can show 1920 * 1200 pixels the name will be set to:

```
WinSize2_Icon_1920x1200.DTR
```



With this option you will store parameters for different monitors or different configuration of the monitor (as will be seen on a notebook with the built in monitor or with a secondary monitor attached to it).



Tab "Desktop + Network": this is the default setting when first used

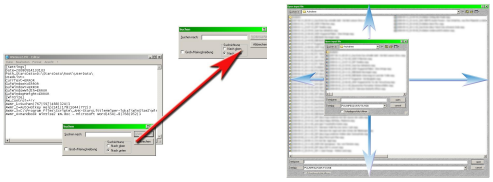
When one of the buttons are clicked the taskbar will show a running program:

"Abort": returning to previous positions

Although the "Abort" button can be clicked it is not (directly) possible to return to the icon position before saving or restoring.

As the file is not simply delete but sent to the recycle bin you can restore the information out of the recycle bin.

Or you could rearrange the positions manually and "save" again.



6.7.1 Auto check of icon positions after login

An automatic search for changes of positions after login.

The activation indicates that after login of the user (and the start of WinSize2) the actual icon positions are to be checked against the last stored positions.

Default: Activated.

If the last stored position are identical with the actual positions the checking routine is finished and no user interaction is requested.

What happens if differences are found is described an p. 81 in chapter "Button "Check for changed icon positions".

If the data file with the position does not exist it is written now.

6.7.2 Auto restore icon locations after login

Per default this option is switched off (box is not checked).

If this option is activated, the icon positions are restored after each login:

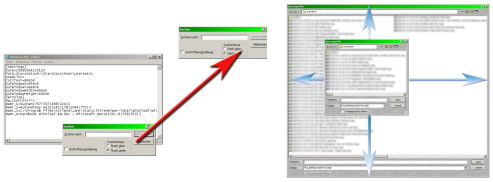
Remark:

Even if "Auto check after login" is activated: If "Auto restore" is activated the "Auto check" is not done.

Sometimes windows does not remember the icon positions. (In this cases it sometimes helps to restore the old positions, but sometimes this only works after having done this several times.)

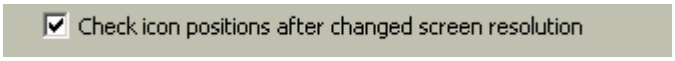
When this happens you can activate the "Auto restore" option which automatically restores the positions after WinSize2's start.

> **Please keep in mind,**
>
> that you will have to save new positions manually after a change.



> And, of cause, the auto detection option above will not work.

6.7.3 *Check icon positions after changed screen resolution*



If WinSize2 has detected a change in the screen resolution either if done by the user or if changed by a program, a comparing program is started. The icon position of the actual setting is compared to the stored settings.

If no changes are detected the routine finished without any message.

If a change is detected continue reading chapter "Button "Check for changed icon positions" on p. 81.

6.7.4 *Save icon positions in data file*

This option is locked (the check box is greyed) to save the positions in the data file as actually the comparison for positions save in the registry does not work.

The data file where the positions are saved is shown, in this case it is (with the extension .DTR): WinSize2_Icon_1920x1200. It is save in the Magrasoft directory.

6.7.5 *Button "Save icon positions"*

This saves the positions of the desktop icons to a data file or to the registry.

6.7.6 *Button "Restore icon positions"*

This restores the positions of the desktop icons from a data file or from the registry.

The actual positions are – of cause – overwritten.

When the icons do not fit to those stored in the data file, icons may be shifted to any place on the desktop.

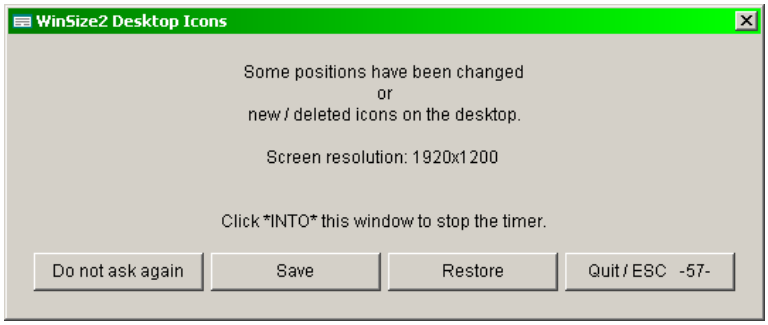
6.7.7 Button "Check for changed icon positions"

Checks the actual positions to those stored in the data file. If any difference is found the user is asked either to "Save" the positions, to "Restore" those in the data file or just to "Quit".

When the icon positions are identical no user interaction is required.

When the positions are not identical the user is asked to:

- "Do not ask again": When you switch to this screen resolutions, the actual positions are no longer checked (the corresponding file is replaced by a dummy file with the length of 3 bytes.) All other screen resolutions are continued to be checked.
- "Save" the actual positions
- or "Restore" the last stored positions
- or "Quit / ESC" or wait till timeout occurs which is identical to quit: No actions will be done.



If you want to stop the timer click onto the body of the message box (to the position marked "*INTO*".

If a saved file does not exist with the first start, this file is generated.

Quit is also done when the user does not answer in the timeout time, if he clicks the "Quit" button or if he aborts the message box with the Escape key.

Only if you selected "Check for changed icon positions":

If the positions are identical this message box is shown:

6.7.7.1 Example: the game "3D Pinball"

3D Pinball can be switched to full screen mode with the key F4. The graphic card is set to a resolution of 640 * 480 pixel (You cannot set this resolution manually.)

WinSize2 asks if it should save the icon positions settings. But the window opening for this input destroys the full screen mode.

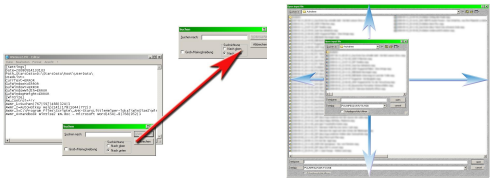
You should select "Do not ask again" and from this time on WinSize2 does not ask if you (or the program) sets this screen resolution.

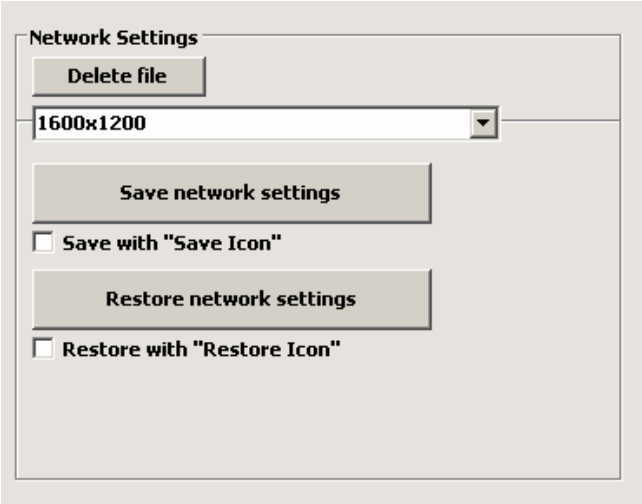
There is another possibility to switch off the option "Check icon positions after changed screen resolution". But then you are not asked for confirmation to whatever screen resolution you switch the screen.

6.8 Tab Desktop + Network: Network Settings

The settings of all network devices (cards or built in device) of this computer can be saved to a data file or can be restored from a file.

Saving or restoring can be automatically done together with saving or restoring of the icon positions (checkbox "Save with …" or "Restore with …"). With this option different network settings can be connected to different screen resolutions (e.g. network options for home or company settings).





Or the network setting can be stored manually and independently from the icon positions: then this part of WinSize2 is used as if it was a separate program. You can store and recall setting with you own name to show under what conditions you should set this setting.

The network settings are stored as usual in the Magrasoft directory. You may copy or delete a setting manually using the explorer or you can delete a setting by using the "Delete file" button.

Warning: Copying the .NSH to another computer

It may look easy: copy the .NSH file to another computer and use the setting there.

This *only works correctly* when the names and types of the devices are the same.

So it may be preferable to set up the network adapter on the second computer and store the settings a second time.

All device settings stored in one file

If you have more than one network device all device settings are stored in the file during "Save".

WinSize2 does not supply a possibility to save only one special device.

But: The data file is a simple Ascii file that can be changed with any editor like Notepad. It is relatively easy to understand what is stored. So a little try and error helps.

6.8.1 The filename and selection combo box

As a standard (if not changed) the filename is composed like "WinSize2_Network_<…>.NSH". The part "<…>" is what is shown or input in the combo box.

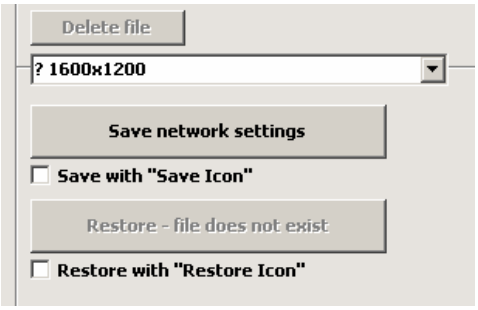
You may alter this text as you like. E.g. if you have an air flow meter that you have to connect over a local network, configure your network adapter as usual in the network, just put in the name into the combo box and save the settings.

Storing take some seconds and after completion the settings are available for selection in the combo box:

6.8.2 Current screen resolution is always shown: option "?"

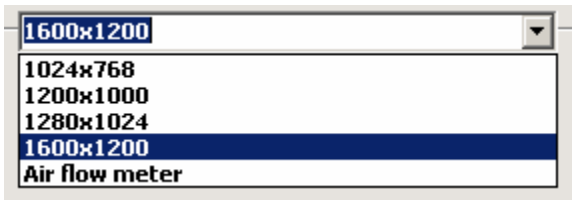
At any time you can delete a file containing network settings – also if this file is the one of the actual screen resolution.

But: the filename corresponding to the actual screen resolution is always shown – if it exists or not. To show the status that the file does not exists it is preceded with a question mark "?". And of cause the buttons Delete and Restore are grayed out:



6.8.3 Saving and Restoring a network setting

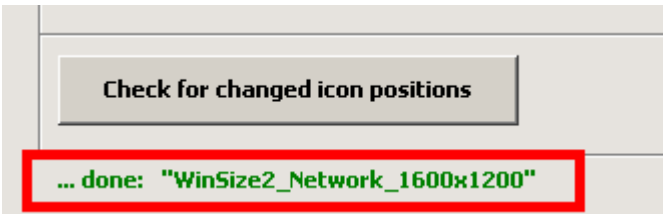
Select the appropriate network setting:



Use the buttons "Save network settings" and "Restore network setting" to save and restore.

If the setting already existed during "Save" it is overwritten without warning.

Look at the message part of the window to see what is done:

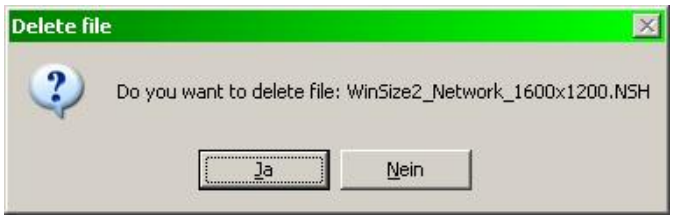


6.8.4 Deleting a network setting

Any network setting can be deleted using the Delete button.

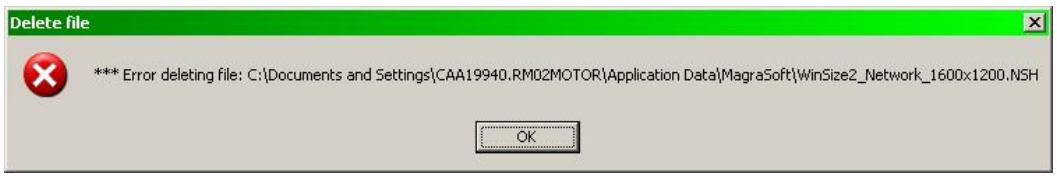
- Select the setting to be deleted.
- Press

You will have to confirm the deletion in a message box:



but once you said "Yes" (Ja) this file is deleted and cannot be restored from the bin.

If an error occurs deleting the file (write protected or other missing NTFS rights) a message box is shown like:

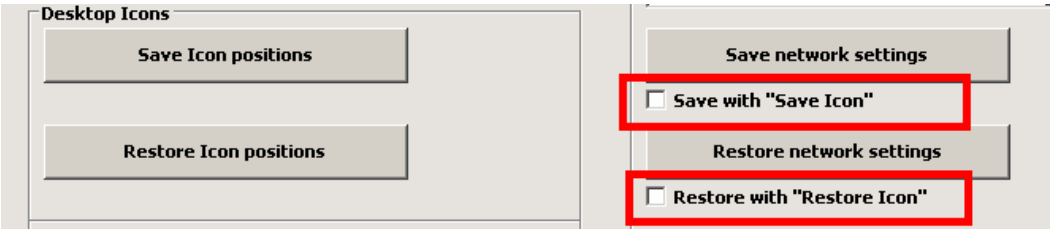


Delete into Recycle Bin

In WinSize2 you cannot directly reverse the deletion.

But the file is deleted into the recycle bin and you can restore it from there manually.

6.8.5 "Save with …" and "Restore with …"



If you select the "Save with …" checkbox then the network options are saved together with the icon positions, both under the name of the screen resolution simply be clicking the button "Save Icon positions".

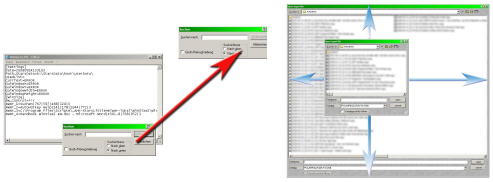
When you select the "Restore with …" option then the network settings are restored together with the desktop icon positions simply by clicking the button "Restore Icon positions.

All other circumstances that save or restore the icon positions at the same time also save or restore the network settings. This means that an automatic restore when detecting a change in the screen resolution also restores the network settings.

Correct file is generated or has to exist

When you select the "Save with …" option the correct network file has to exist (a file with a name that contains the screen resolution as explained in one of the above chapters).

A setting with a user defined name *cannot* be connected to and executed with a special screen resolution.



6.9 Editable parameters

These parameters can only be changed by editing parameter files. They are not reachable with the GUI "Special Parameters".

Parameters changable over the "Special Parameters" are not mentioned here.

6.9.1 WinSize2_Root.ini

LogFile_Size_kB

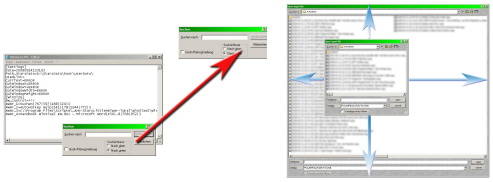
The maximum size of the log file in kByte. This size is checked only once when WinSize2 is started. When the size of the log file is greater than this number the existing file is deleted and a new file is created.

Default setting: 100 kB.

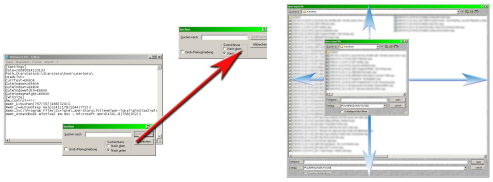
LogFile_Size_kB	file is deleted when ...
0	Log file is deleted at each start of WinSize2
-1	Log file is never deleted: it grows to any size; it is the user's responsibility to shorten the file from time to time (not recommended)
> 0	value in [kB]: Log file is deleted (and not saved to the recycle bin) when this size is reached at the start of Win-Size2; e.g. setting LogFile_Size_kB to 250 means that the log file is deleted when the size is 250 kB or greater at the start of WinSize2
< -1	value in [kB]: Log file is delete to the recycle bin, when the size has reached the absolute value of this number at the start of WinSize2; e.g. setting LogFile_Size_kB to -80 means that when the log file is longer than 80 kB at the start of WinSize2 it is deleted to the recycle bin

6.9.2 WinSize2.ini or WinSize2_<ScreenSize>.ini

Whether WinSize2.ini (=0) or WinSize2_<ScreenSize>.ini (=1) is used is determined by the parameter `INIWithScreenSize` in WinSize2_Root.ini or in `Extras-2` when the parameter `"Different INIs depending on Screen Size"` is checked.



No parameters to change here.



7 MULTI LANGUAGE SUPPORT

WinSize2 is capable to support different languages. Translations of some languages are supplied (always English and German). Any not supplied language can be provided by a user by just translating one of the language files. The languages can be selected and switched in Special Parameters / Extras-1. Just select another language and press OK. WinSize2 will show all messages in the new language now.

To implement a new language just copy the file into the installation directory; WinSize2 will automatically detect and implement the new language.

If you translated a new language I would be pleased to present it to the WinSize2 community. Please send it to me per mail.

7.1 The language support file

Every language has its own file. The file must have a special name which is referred to in the Special Parameters menu.

The form of the language file is:

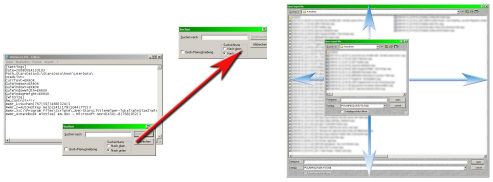
```
WinSize2_Lang_*.msg
```

The asterisk "*" stands for characters. You may select these characters as you want.

7.1.1 Supplied languages

Today these languages are supplied

<LangID>	Language
?	Language is determined from the registry entry Of cause a corresponding translation has to exist.



English	English
German	Deutsch
Swedish	Svenska

So the Swedish translation is put into the data file:

`"WinSize2_Lang_Swedish.Msg"`

In each of these translation there must exist a section with the name `"[Language]"` that describes the language:

```
[Language]
WinLanguage=SV
WinLanguage_Name=Swedish
WinLanguage_NameLocal=Svenska
WinLanguage_ID=29
WinLanguage_CodePage=1252
```

The keys `WinLanguage_Name` and `WinLanguage_NameLocal` you will find in the language selection in the tab `"Extras-1"`.

`WinLanguage_ID` is an entry in the registry. Windows identifies the language with this entry. When you use a Swedish Windows WinSize2 identifies the ID 29 in the registry with the `WinLanguage_ID=29` in the language file as standard.

7.1.2 Language: ? <System default>

Default is the language that is shown on the desktop. You will find this language in the registry at the key:

```
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\NLS\Language
Key: Default
```

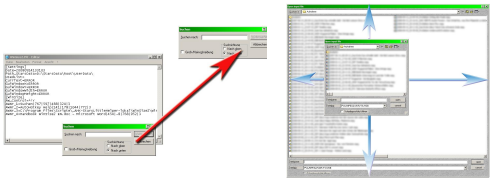
For an English system the number will be `0409` and the "09" declares English to be the master language.

If the default language is not found in one of the WinSize2_Lang_*.msg files English is taken as a default

When English cannot be found, only the message numbers are shown in WinSize2.

7.1.3 How to find the WinLanguage_ID

You will not have to search for the ID of the language in the registry. Every time WinSize2 is loaded this ID is written to the log file:




```
>>>Loaded V2.36.11 .AHK Lang:'SPANISH:Spanish' 0407 Log:3:100kB
1600x1200 96dpi
```

The language from the registry is 0407 and the 07 defines the German language region.

So set the WinSize2 identifier to:

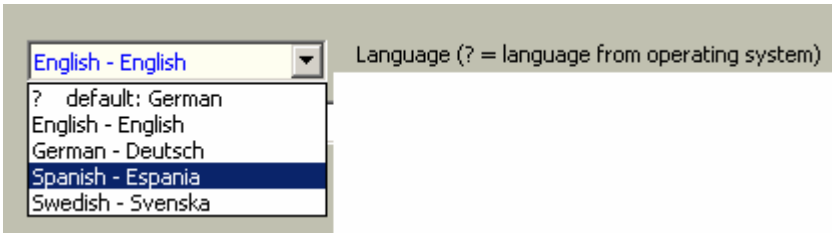
```
WinLanguage_ID=07
```

7.2 Generating a new language file

Copy e.g. "WinSize2_Lang_English.msg" to the new file - lets say Spanish language – "WinSize2_Lang_Spanish.msg" and edit the section `[Language]`. Change it e.g. to:

```
[Language]
WinLanguage=SP
WinLanguage_Name=Spanish
WinLanguage_NameLocal=Espania
WinLanguage_ID=9
WinLanguage_CodePage=1252
```

Then set the Special Parameters / Extras-1 to Spanish and you will see:



and translate the Spanish language file. Every time you save the translated text and reopen the GUI mask "Special Parameters" or use the corresponding field the translated text instead of the original is shown.

You do not have to close WinSize2. Just edit and save the language file. When displaying the message the next time the saved version is taken and you will see your new translation.

7.2.1 Debugging the language file with "Message_Help"

The INI file in the Magrasoft directory contains a line "Message_Help=0".

This line is accessible only with a text editor. (Right mouse click to the WinSize2 icon in the taskbar and select "Edit INI-File".)

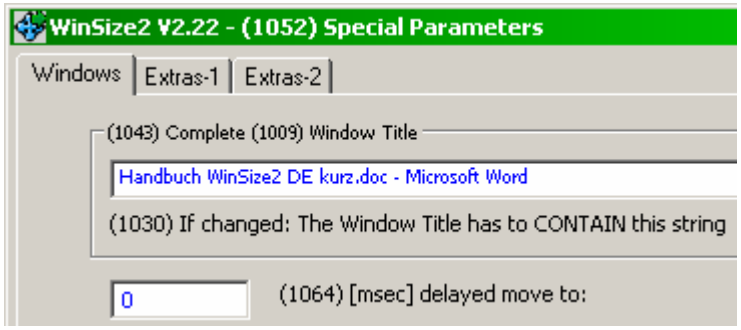
Set the value to one of the values below (e.g. to 105 for messages shown with font size 5).

Warning message "INI File"

Any value for Message_Help greater than 0 will result in a warning message when WinSize2 is loaded:

Yes	Accept the setting for Message_Help
No	Reset Message_Help to 0 to return to normal operation without having to edit the INI file.
Timeout	waiting for 10 seconds times out the message box as if there would have been a click to "Yes"

You will see the message numbers together with the message text. This will help you to translate the messages as you know where to search for the text:



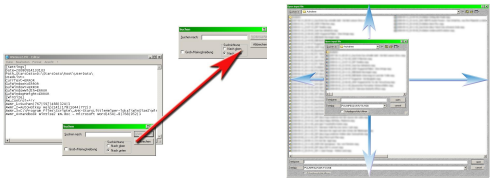
In the message file you will find an entry:

```
M1052=Special Parameters
```

Message_Help=1

If you want know which messages are read and displayed, set the key in the INI file:

```
Message_Help=1
```



This includes the message number into the messages written to the console e.g. "(1018) Ctrl+(1019) Alt+Y": 1 * (1002) Insert / Overwrite Entry. Like with all tooltips the messages are shown only for a short time.

The font size is set to a default value.

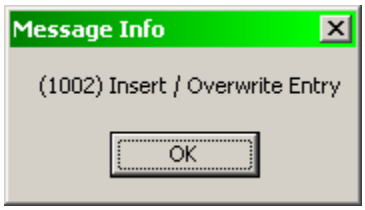
Message_Help=10x

Set the font size of the messages in the parameter window to a special size. Any size >= 4 can be specified. (Font sizes in tooltips cannot be altered.)

E.g. setting "Message_Help=105" sets the font size to 5.

Message_Help=2

If you need longer times to look at the message you should set Message_Help=2. Then a message box is show containing the number and the message e.g.:



This setting will result in several "Message Infos" (one for each message that is read).

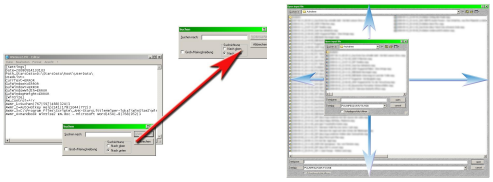
7.2.2 The setting "Language = ?"

WinSize2 takes the default language from the registry.

- If the language number is known and the translation with the corresponding ID exists the local language is shown.
- If the local language file does not exist, the English translation is shown.
- If also the English language file does not exist, only the message numbers are shown: like "Message (1016)".

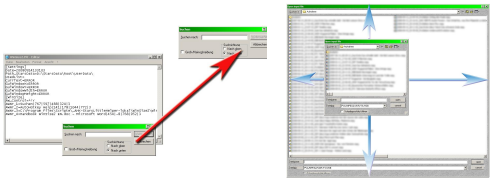
7.2.3 Please send your translation

So if you did the translation please send that file to me. Fill in the "M900=..." with the name of the language and if you would like to me mentioned as the translator with your name / nickname. Do not forget to include a return mail address (for questions only or extension of the text file – not to be published).



Please send this to my SourceForge mail address:

Magra19 at users dot sourceforge dot net.



8 ADDENDUM AND FAQS

8.1 Mail

If you have problems, suggestions or when you only want to say "Hallo" please send me a mail in German or English. I'll try to answer them all though it may take its time.

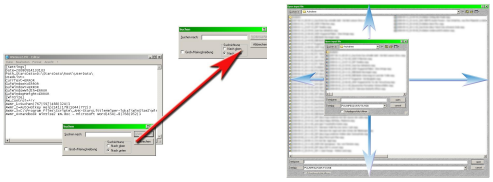
> **Mail to:**
>
> I would be glad if you would send me a mail (if you like with the name of the town you live in) if you use one of my programs (or also if this does not work as you have expected).
>
> Thank you in advance.
>
> `Magra19 (at) users (dot) sourceforge (dot) net.`

8.2 How can I help? Sending the MagraSoft directory

If WinSize2 does not work as it should:

- Describe the problem as exactly as you can (as I have to understand what happened): what you started, what WinSize2 should have done and what really happened.

  Please look at: Extras-2 / What to log? should be set to 3, so that WinSize2 logs all action it does.



- Pack the MagraSoft-directory into a ZIP or 7-Zip file and append it to your mail.

  You will find the MagraSoft directory in: See below !!

> **Personal data included**
>
> The INI file as well as the log file include the names of programs you started.
>
> The log file can be rather large. Please send lines only that refer to the time when the error occurred.

8.3 Where to find the MagraSoft directory

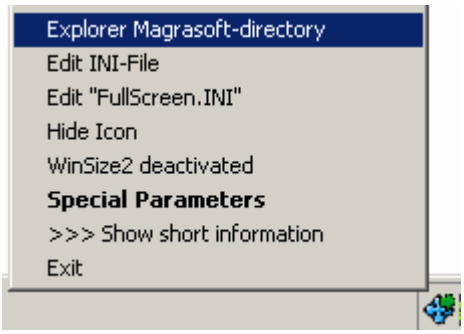
Depending on the Windows family version you are using the Magrasoft directory is located in different places of the directory tree:

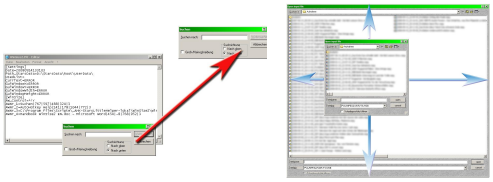
```
C:\Documents and Settings\<User>\Applicationdata\MagraSoft\
```

Vista / Win7 places the directory in:

```
C:\Users\<User>\AppData\Roaming\MagraSoft\
```

The easiest way to open an explorer window at the Magrasoft directory is a right click to the WinSize2 icon in the task bar:





8.4 How do I disable WinSize2 for a while

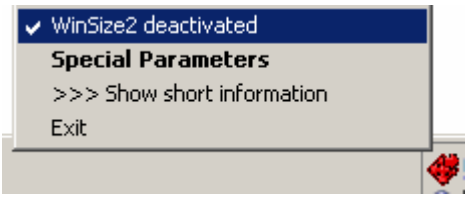
Just call the "Special Parameters". Leave the window open, you may minimize it if desired.

When "Special Parameters" is open the automatic move is disabled. When closing the "Special Parameters" windows that were not moved till now are moved.

If you want to disable WinSize2 for a longer time you can select in Special Parameters / Extras-2:

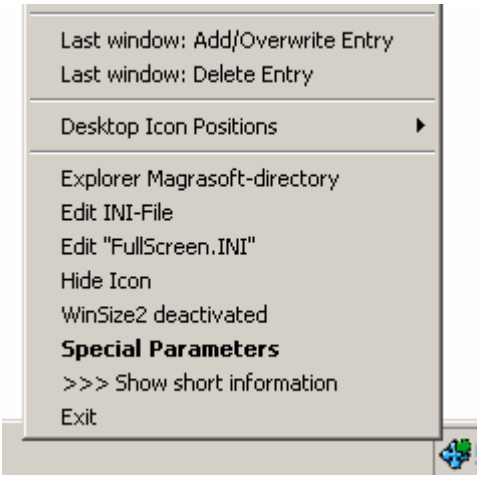
The WinSize2 icon is changed to:

Or you activate:



> **Disabling of WinSize2 will not be stored**
>
> This means: with the next start WinSize2 is automatically active again.

8.5 How to use WinSize2 from a remote computer



Question:

I work on a remote computer and use VNC to mirror the distant desktop to my computer. When I the hotkey to add a new window to WinSize2 the window is added at my workstation but not at the remote computer.

Answer:

Use a right click to WinSize2's tray icon and "Last window: Add/Overwrite Entry" and "... Delete Entry" to modify the table.

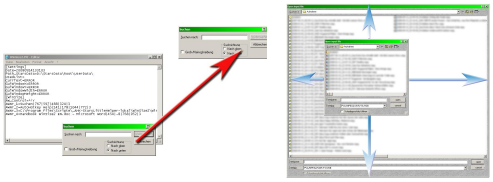
8.6 Suddenly a window is no longer moved

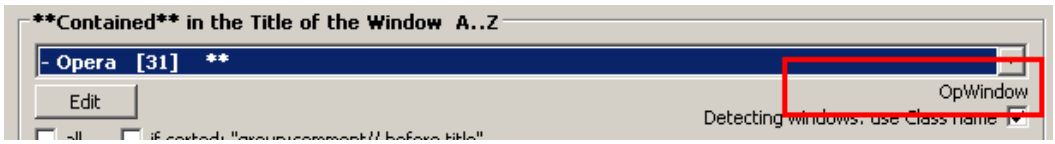
Yesterday WinSize2 moved the window of Opera, today this does not work any longer.

Answer:

Make a new entry in WinSize2's window list (1 * hotkey) and compare the class names. They will be most probably different. So the old entry does not match with the parameters of the new window (window name and class name have to match) and the window is no longer moved.

The old entry:





... and the new entry:

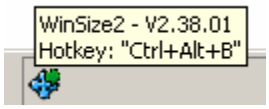
Delete the old entry.

Opera has done an update and the new window has a different class-name now. This is not visible to the user but WinSize2 detects the new name, not matching now and does not move the window.

8.7 The Hotkey does not work any longer

Possibly the hotkey was changed – may be by mistyping the wrong combination and selecting "OK".

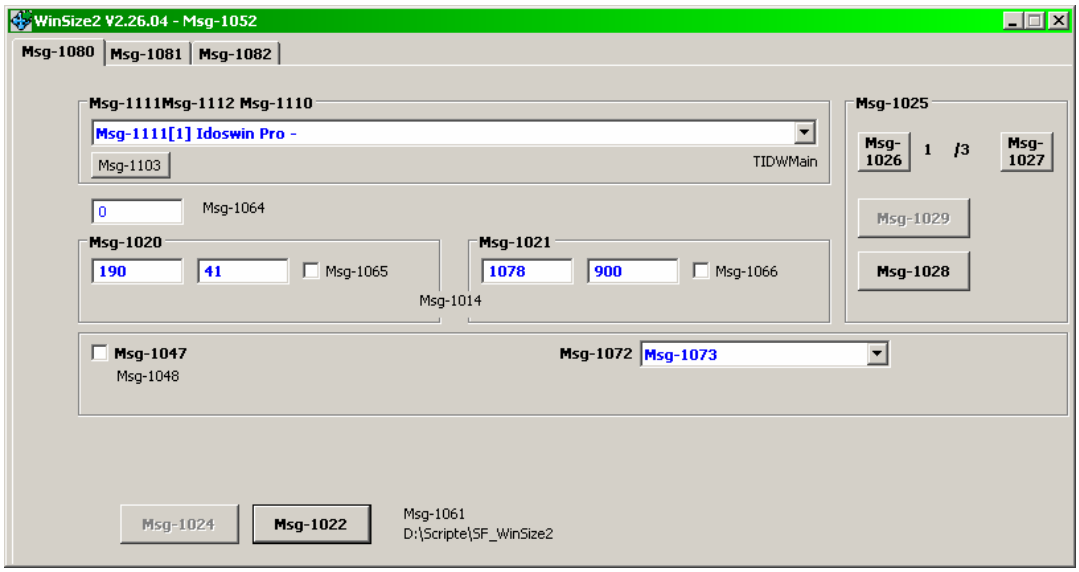
Move die mouse pointer over the WinSize2-icon. The tooltip shows the actual version and hotkey combination:



You see that the standard hotkey was changed to the key combination "Ctrl" plus "Alt" plus "B".

Key in three times Ctrl+Alt+B and change the hotkey in Extras-1 to the combination you want to use.

8.8 Only message numbers are shown instead of text



WinSize2 reads its messages from a parameter file "WinSize2_Lang_XX.Msg" where XX represents a local file descriptor like EN for English or DE for German.

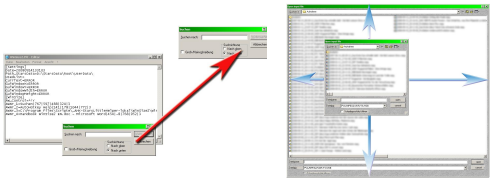
Neither the local version e.g. DE nor the EN-version is accessible. So only the numbers of the messages can be shown.

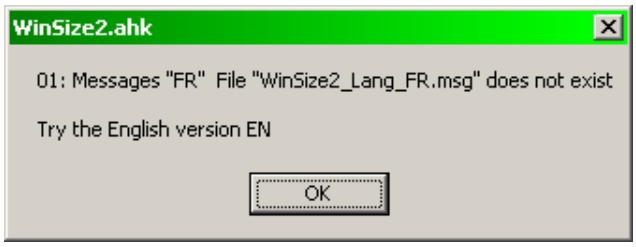
> **Where language files have to be stored**
>
> The language files have to be stored in the same directory with the EXE file (or with the .AHK file if you started the source version).
>
> The language files are not in the same directory (or more seldom: you do not have read access to these files).

Example:

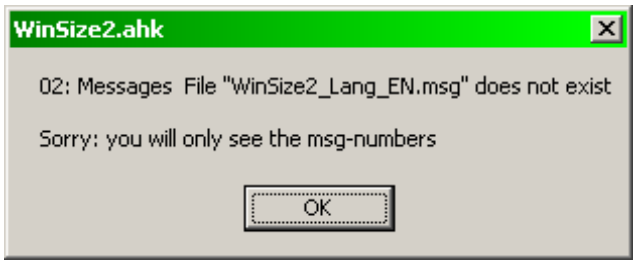
The French version of the message file is to be loaded; the language identifier in the Special Parameters is set to FR.

WinSize2 tries to read the file WinSize2_Lang_FR.Msg. But it does not exist. You get the message:





Now WinSize2 tries to read the English version WinSize2_Lang_EN.Msg. It does not exist too:



8.9 A user program is seen in the taskbar, but not on screen

Or: "The vanished window"

Sometimes windows are repositioned (by accident or an incorrect program) to parts of the screen where they are no longer reachable with the mouse.

In my example the Y-coordinate of an index-window was set (sometimes, by the program Wilma – very good for indexing files) to -32500 which is far off the lower border of the screen. Neither a "right mouse click" and reposition nor any thing else worked. Then I focused the not visible window (select program in the taskbar), inserted the window for resizing and altered the Y from -32500 to a value on the screen like 80.

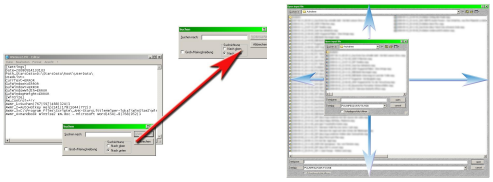
Cancelling Wilma and starting it again moved the window back on the screen.

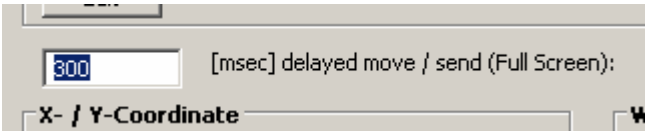
8.10 Window is not moved

although correctly entered in WinSize2's list.

Creating (building) the window could take a time longer than WinSize2 waits to move it: especially when a window is built up by Java this takes its time. If Win-Size2 moves the window before the building is ready the window is not moved.

Insert some msec time in:





8.11 Window is not moved: start from CMD or Startup

The directory "Startup" of a user contains some (two or more) URLs that start Firefox or the Internet Explorer:

```
Start_File01.URL
Start_File02.URL
Start_File03.URL
```

Or: A CMD file starts Firefox more than once to show the above mentioned URLs:

```
Set FireStart=%ProgramFiles%\Firefox\Firefox.exe
Set CMD_Dir=D:\Data\FireStartup

Start "%FireStart%" "%CMD_Dir%\Start_File01.url"
Start "%FireStart%" "%CMD_Dir%\Start_File02.url"
Start "%FireStart%" "%CMD_Dir%\Start_File03.url"
```

What happens:

When Firefox is correctly set (start one instance to each URL instead of show each URL in it's own tab) a window of Firefox is opened for each call (three windows for the above example).

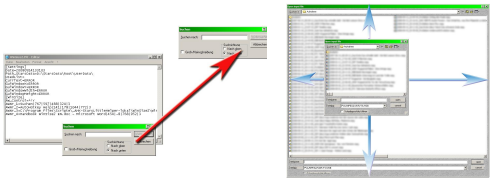
But: One or more windows are not moved. Also: the option "delayed move" in the last chapter does not work.

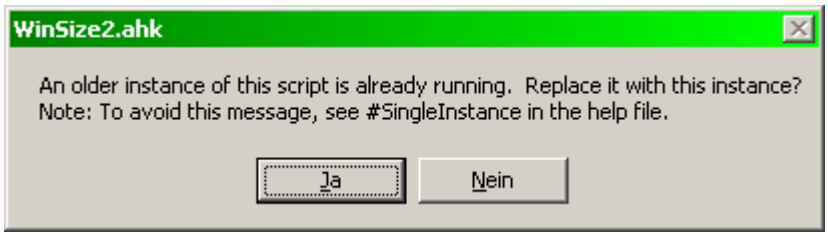
Solution:

Start the three Firefoxes from a CMD file (a call to this file can be included in the Startup directory)

8.12 An older instance is running.

Replace it with this instance? Note: To avoid this message, see #SingleInstance in the help file."





You tried to start WinSize2 a second time. This is stopped by the Autohotkey runtime system.

Comment:

A second instance of WinSize2 would make no advantage.

But: It is allowed to start WinSize2 with the option to rename the title of a window (see separate chapter p. 36):

```
WinSize2 /RenameTitle <old title> <new title>
```

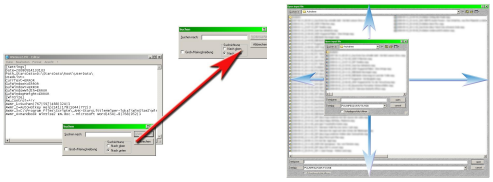
8.13Mapping a network directory

8.13.1 Creating a Share

There should be a sharable directory on a server or on a workstation. This directory could be shared as "WinSize2$" on the computer with the name "MyComputer". It can the be accessed under the name \\MyComputer\WinSize2$" from any other computer.

How to do

Right mouse click onto the directory you want to share. This has to be a local directory on a partition of the computer. Select Properties.

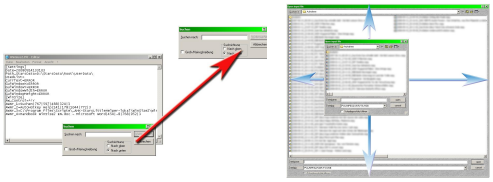


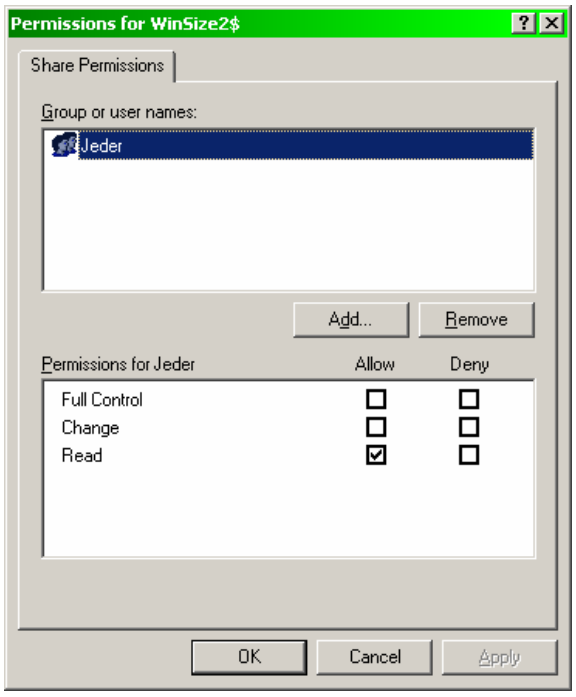
And set the share name to "WinSize2$". (Choose a name with a "$" at the end: This share cannot be seen with the explorer from another computer – running Windows.)

8.13.2 Share access rights

When you use Method 2 (Update dir in the net) you only need "Read" access, so nothing has to be changed.

But for method 3 you should have "Write" access specially to "Delete" and "Rename" access. So you will have to check "Full Control" in the "Permissions" window. (This is important for Windows XP – may be and above – which only grants "Read" permission as a default.

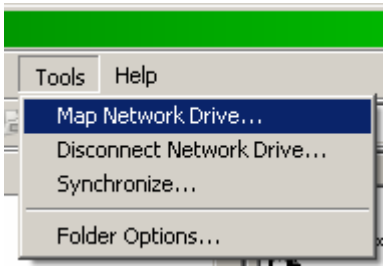


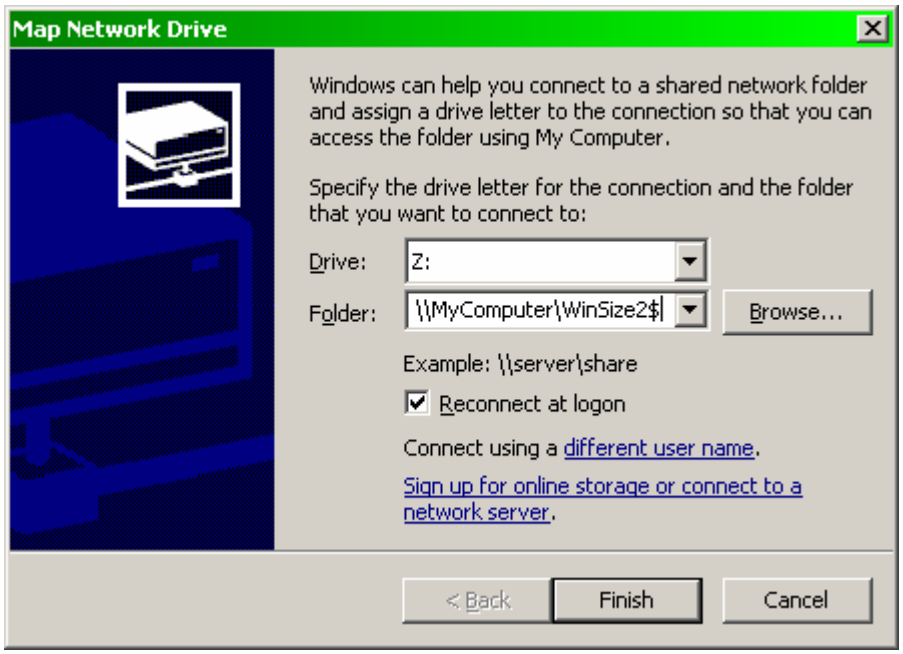


8.13.3 Mapping the share to a drive letter

"Mapping" means that a drive letter is assigned to the network share.

You can do this from the computer that wants to access the share by selecting in the "Explorer" Tools / Map Network Drive:

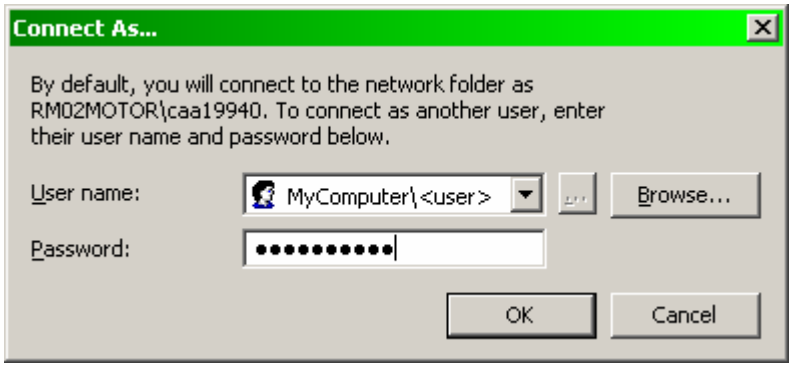




Double backslash

Please notice the double backslash "\\" before the computer's name.

If the connection is rejected or you do not see files in the Z: share it might be necessary to "Connect using a different user name":



where "<user>" is a user on MyComputer and the Password is his associated password.

No Double backslash

Notice that there is *no* backslash before the computer name in this case.

The mapping should be ok afterwards and you should see the files in the share under the drive letter Z: in the explorer.

8.14 Calling WinSize2 on the Command-Line

8.14.1 Parameter WinSize2 /UNINSTALL

Please see p. 16.

8.14.2 Parameter WinSize2 /VERS

You can call WinSize2 to write a DOS command file to disk:

```
WinSize2 /VERS
```

The command file is written to: WinSize2_wrote_this_file.CMD which can be "Call"ed by:

```
Call WinSize2_wrote_this_file.cmd
```

The contents of WinSize2.CMD is (assuming the version is 2.10):

```
Set WinSize2_Version=V2.10
```

so you can e.g. copy something in a DOS box:

```
Copy file.ver Source\file_%WinSize2_Version%.ver
```

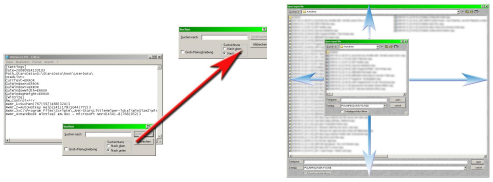
resulting in this case in a file: "Source\file_V2.10.ver".

8.15 Used and Recommended Programs

Today: 2008-09-15

8.15.1 Used Programs

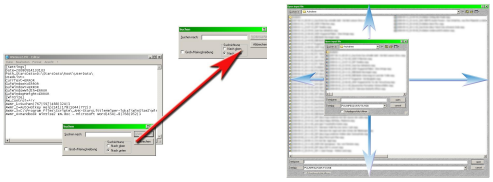
Program	
Autohotkey	Programming system interpreter for AHK- programs Compiler to EXE files Minimum version for compilation of WinSize2 is: Autohotkey 1.0.48.05 (2009-10-23) very nice program; much features for Windows programs; exceptional good documentation http://de.autohotkey.com/



WBox.exe	Messagebox Messages as pop up with timeout and programmable buttons by Horst Schäffer : http://home.mnet-online.de/horst.muc Thanks Horst for your great help with this program
Wait.exe	a batch command file wait for xx.y sec. (like 1.3) freeware by Horst Schäffer (see above)
DesktopCmd .exe	saves and restores the desktop icon positions in a file or in the registry by Jamie O'Connell (see DesktopCmd.rtf) http://www.midiox.com/

8.15.2 Recommended Programs

Program	
Notepad++	Editor for source files e.g. the Autohotkey source files one of the best editors I've found version today: 5.5.1 http://sourceforge.net/projects/notepad-plus/
Idoswin Free or Pro	the better explorer *sorry: available only in German language* download as freeware version or Pro version as shareware with a 30 days license; very good features for a low price (~ 20 EUR); lifetime update for Pro version last "Free" version: 3.6 last "Pro" version: 5.63, no further development http://www.idoswin.de/
PsList	Detect and show properties of a program on the command line (antivirus programs may recognize this as unwanted program) The Sysinternals Suite which contains 69 programs today is updated every month. www.sysinternals.com and download the PS-packet
Process Explorer	shows what is actual running in your system can be downloaded separately, but also contained in the "Sysinternals Suite" www.sysinternals.com
Sleep.exe	a batch command file waits for xx sec or msec (obsolete, use Wait.exe) contained as Sleep.exe in the "Windows Server 2003 Resource Kit Tools" http://www.microsoft.com/downloads/details.aspx?familyid=9d467a69-57ff-4ae7-96ee-b18c4790cffd&displaylang=en



8.16 Many thanks to ...

Kathy, Andy and Rudi, who invested their time to test some versions of WinSize2. According to their suggestions I eliminated some of the errors (inserted new ones) and changed properties.

Thanks to Magnus Beutner, who did the translation to Swedish and who corrected errors in the internet representation.

Many thanks also to everyone who contributed their ideas, also messages about errors to make WinSize2 better.

8.17 Other projects – made by Kalle

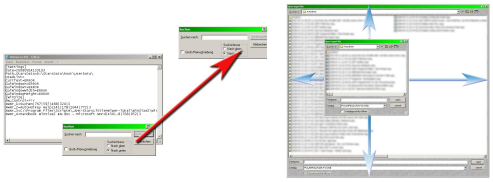
If you have problems, suggestions or you only want to say "Hallo" please write a mail in English or German to:

Magra19 at users dot sourceforge dot net.

(I'll try to answer them all though it may take its time.)

> **Mail**
>
> I would be glad if you would send me a mail (if you like with the name of the town you live in) if you use one of my programs (or also if this does not work as you have expected).
>
> Thank you in advance.

DOS Doctor	Modular build DOS Batch Subroutines supporting Date and Time handling inclusive error handling, command execution with automatic "Delayed Expansion", subroutines for disk partitions, language detection, string handling and last but not least "debugging" of complex DOS projects ... and a detailed handbook (today 60 pages). All subs are written in pure DOS command language. **In detail:** • GetDateTime with arguments date / time / actual • Date/ Time formats: %Year%, %Month%, ..., %Sec%, %YYMMDD% %HHMMSS% ... • Adding / subtracting days to a date incl. leap years • Restarting a batch with "Delayed Expansion" if necessary



	• Routines to act apon "%UserVariables%" • Routines for checking disk space and automatic alarm to an admin PC • Handing characters / strings (replace/ fill/ upper/ lower/ centered) • Searching for USB sticks • Simplified / automatic NetSend, NetUse • Automated backup utilities (full and part backups) using 7-ZIP or equivalent • Automated backup utilities for Acronis Backup (special) • • Possibility to load all necessary subs into one file with automatic internal call of the subs (DOS project) • Debugging a DOS project file (echo to file / trace info on screen) • Measurement of time consumption (mean value) for individual subs (running in the project context) • Generation of a "Make File" creating a DOS project file (gathering all subs till end of sub-tree) -- written in DOS batch! http://dosbatchsubs.sourceforge.net/
Timer – die Zeitschaltuhr	The program "Timer - die Zeitschaltuhr" starts the computer with the internal BIOS clock from the shut down state (with mains activated). The time needed for boot and start-up of window is considered. Windows and a user-program are ready for doing their job when the preselected start time is reached (e.g. a media-center program like DVBViewer for recording of a transmission). Program language: DOS command language (CMD-files) with a small program in Autohotkey that computes the switches from summer to winter time and back. As a special feature Timer supports DVBViewer 3.8 and younger **How it works:** Timer computes the time difference till next startup. The BIOS is set to a fixed start-up time like 31. of month at 23:59:59. Timer sets the Windows system time to the fixed time minus the computed time difference. So the BIOS starts up the computer at the correct time of day. **Timer's Functions:** • Auto restart by the BIOS of the computer from shutdown state • Starting time can be manually set by the command (DOS-box) "Timer <Date> <Time>" • Starting time can be set automatically by user-supplied date/time pairs (computed by a standard CMD-file) or from the DVBViewer's parameterfile Timers.xml • Correction of the windows system time after auto start by the BIOS • Correction of the windows system time after manual restart done by the user • User-specific batch file for determining of own start times

	• (also automatic selection of the next start time from a list of times) • Serial Recordings: shut down computer / record / shut down / record / ... **What do I have to do when using Timer ?** (Actions in parentheses ( ) are done automatically without user intervention) • Set the BIOS restart time (this is done only once) and check for proper action of the BIOS • Supply a list of date/time pairs (e.g. by a batch CMD file) • OR with DVBViewer: program the transmission you want to record and close DVBViewer • Start Timer once (this computes the new BIOS restart time and shuts down the computer) • Do not shut off the mains • • (BIOS restarts the computer at the correct time of day) • (Auto logon to the user account in windows) • (An entry in the Startup-directory starts "Timer /Startup" and restores the correct system time) • (Timer starts user-program) • (The user-program does its job e.g. records the transmission) • (Timer detects the end of the user-program, reads the time list and sets the next start time) • (Timer shuts down the computer) ATTENTION PLEASE: As the BIOS-hardware is involved the installation is not as straight forward as usual in windows. For "installation" read the "Timer Handbuch" (German / English) contained in the Zip-file http://TimerZeitschalt.sourceforge.net/
WinSize2	WinSize2: Move and Resize windows on Screen **The capabilities of WinSize2 are:** • Learn and store position and size of any window • identifying the window according to the title or parts of the title • Moving to a predefined place • changing the size of a window according to learned • one hotkey to manage the program (configurable Crtl+Alt+Z) • multi language support • Handbook in English and German Your favorite editor puts its "Search" window exactly before the text you

	want to see. Your program to edit pictures or videos, to change your handbooks positions the "Open" dialog optimized for a screen 800 * 600 pixel, but it is so small that you see only some files and of those only half of the name: You need a program that moves the window to a place you want and resizes it: And here it is: 10 years after WinSize was last published, the second edition, WinSize2, is alive again. **Using WinSize2:** • Hotkey, English version: "Ctrl+Alt+Z" • 1 * hotkey: Insert / Overwrite title entry • 2 * hotkey: Delete entry • 3 * hotkey: Special Parameters https://WinSize2.sourceforge.net/
DateTimeLib	Library routines for computation of date and time functions since the Gregorian Calendar was introduced on 1582-Oct-15: 25 routines included to do: • add/subtract days&hh:mm:ss to/from a given date&time • with variables type Double: exact calculations down to 0.001 sec (1 msec) • considered all leap years (the anormalities every 4, 100 and 400 years) • considered the changes from summer time (Daylight Saving Time DST) to winter time and back • compute the start and end dates of DST for a given year • compute UTC (Universal Time = Greenwich Time) to local time; considered DST • compute weekdays • convert to Excel compatible date/time values • template for your own implementation • documentation inside the routines and in a handbook All routines are written in Autohotkey (AHK) which can nearly be used 1:1 in Pascal or other programming languages. Examples to use these routines. Description of routine usage in the handbook and in details in the routine's headers. http://DateTimeLib.sourceforge.net/
Formula Compiler Source	Source for including a Formula Compiler interpreting arithmetic formulas into your own programs. Included are the sources for compiling formulas stored in data files and

sources to execute the compiled code.

The sources are written in Fortran 7 and ran over 10 years in a teststand program system.

You can compile arithmetic statements with parentheses in nearly any depth and you can use standard arithmetic routines. You can use Include-statements to construct a pseudo library system.

Internal and external variables can be used.

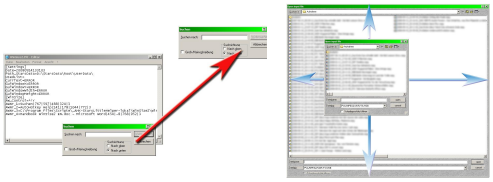
- The Formula Compiler reads a source file
- The compiler parses the lines of code and checks for semantic errors
- The compiler writes byte code (tokens) to an array
- Arithmetic expressions
- Variable names control similar to "Option Explicit" in VBS
- IF – ELSEIF – ELSE structures also nested
- The executing section interprets the byte code, calls the appropriate routines and returns the results.

http://FormulaCompSrc.sourceforge.net/

8.18 Versions

Date	what was done
V 1.0 2005	• First version created in May 2005; included in a collection of programs.
V 2.0 2008	• Standalone version created: version for resizing and moving windows: WinSize2
V 2.10 2008-09-15	• First published at SourceForge
V 2.11 2008-10-08	• Multi language support • enhanced handling of windows: GUI for changing and deletion of title slots
V 2.12 2008-10-17	• fixed: some problems Advanced: Added new parameters; better overview
V 2.14 2008-10-25	• new: window parameter: Always On Top • Advanced: Special Parameters window
V 2.15	• fix: sometimes variables contain "ERROR"

2008-10-23	
V 2.16 2008-11-03	• fix: sometimes "Always on Top" was set in a new inserted window
V 2.17 2008-11-15	• new: delay for movement after a new window appeared
V 2.18 2008-12-11	• new: central directory for automatic updates on many computers
V 2.19 2009-01-29	• new: possibility to fix position / size of a window
V 2.20 2009-02-24	• fix: in some cases windows from the list were not resized / repositioned
V 2.21 2009-04-09	• new: add / overwrite / delete window positions with a right click to the icon of WinSize2 (for the remote control of the computer as done with VNC), see p. 32.
V 2.22 2009-05-04	• new: option: different INI files for different screen resolutions (p.67) • new: more FAQs
V 2.23 2009-06-02	• new: Option for windows: Normal – Hidden – Minimized - Maximized – Full Screen (p. 54)
V 2.24 2009-06-08	• new: Option Full Screen enhanced (p. 54) • fix: Size of the window "Special Parameters" is wrong under certain conditions
V 2.25 2009-06-29	• changed: logic of buttons "Change" and "OK" • fix: Sometimes windows of other programs (with the same title like those of tooltips – in this case a tooltip showing the title) were found (mainly with the option "Title is contained in ...") Thanks to Nick (Berlin) and Lexikos (Queensland, Australia)
V 2.26.09 2009-08-17	• ***changed:*** the switch "RenameTitle" changed to "/RenameTitle" • ***deleted:*** The program WinRenameTitle does not exist any longer; use instead "WinSize2 /RenameTitle <Old> <New>" • new: "Special Parameters": security question if changes would be aborted • new: hint when you jump from end to start of the title's list or back • new: Dropdown field for selecting the title of a window • fix: WinSize2 can only be executed once: ID has to belong to WinSize2 • fix: "Different INI files …" did not read the last stored dates



	from the INI file. • fix: a window once positioned / resized is not moved a second time • fix: changing the update directory's name sets "should click OK"
V 2.27 2009-11-24	• new: List of title can be displayed alphabetically sorted in ascending (A .. Z - default) or descending (Z .. A) order or can be displayed as they were saved. Select this property on page Extra-2.
V2.28.Xmas 2009-12-15	• new: windows – also with identical names – will be identified as different, if they belong to different classes (p. 43) • new: windows, if their class names are different from start to start at the end (in the last half of the name), are identified
V 2.29 2010-02-06	• new: set log level
V 2.30 2010-03-01	• new: INI directory can be changed to a new path (p.20) • new: WinSize2 portable (p. 20) • fix: Titles ending with "?" are shown sorted as "deleted"
V 2.31 2010-03-21	• fix: Titles containing "<" or "|" generate an error when they are included into the list of titles • fix: separators (internal and in the INI files) are changed to control characters 0x02 and 0x03 • rewritten: language system for translated messages: new languages only have to be translated and to be copied to the WS2 dir
V 2.32 2010-04-01	• fix: the Autohotkey bug with INIWrite: if ctrl-characters are at the end of the string the updated line in the file is enlarged with each update with the ctrl-char at the end • new: Swedish translation
V 2.33 2010-05-30	• new: ESC aborts the "Special Parameters", confirm if anything was changed • new: Confirmation if "Special Parameters" are aborted by [X] and something was changed before • new: For each entry of a windows title a comment can be added. This comment can be prefixed to the title of the window and will be sorted with the title. • new: Possibility to exclude the Class name when detecting windows with the check box "Detecting windows: use Class name" (normally window title and class name have to match). This option is useful when detecting windows that change their class names totally from start to start. This problem arises in very rare

	cases only. • new: in the "Special Parameters" the last opened tab will be opened again or if this option was not chosen "WinTitle" will be opened
V 2.34 2010-07-11	• new (.04): "Group:Comment" names in the comment field: re-apply resize + move to one window or all belonging to a group *(any other suggestions?)* • fix (.04): when inserting a "NEW" entry in the window's list the comment field shows "0" • fix (.05): the default hotkey for German is set to Ctrll+Alt+Y if not defined otherwise; all other languages are set to Ctrl+Alt+Z (thanks, Jeff, Stefan and Magnus) • new (.06): recognizing the actual DPI-setting and correcting the font size • new (.06): manual correction factor for all fonts of the "Special Parameters"
2.35 2010-09-21	• new: (.02) Desktop Icons save and restore; restore at logon; save automatically when changed • fix: (.03) fatal error, when "different INIs depending on Screen Width ..." is selected (thanks Heini)
2.36 2010-11-14	• new: Network settings can be save and restored; this can be connected to screen resolutions. You also can save and restore independently from the screen resolution the settings under a self defined name. • changed: Desktop icons and network setting changed by CMD batch files; introduced language independent versions • new: if Spec. Parameters is not visible on screen move it to the upper right corner of the screen • fix 2.26.05: if Log size > 100 kB delete file when WinSize2 is loaded (in WinSize_Root.ini, parameter Log-File_Size_kB=100) • changed 2.36.06: -1: do not delete; < -1: if Filesize greater than Abs(number): delete into recycle bin; > 0: if Filesize greater, delete directly. • fix 2.36.07: Network settings: file with user defined name is correctly written (as done before) and correctly listed • fix 2.36.08: Auto check icon positions after login is done correctly now
2.37 2011-01-xx	• fix: Network settings: existing file for definition is not recognized correctly • new: Tab "Special" for settings that are seldom used

	• new: you can define screen resolutions for which no correction of the icon positions are asked for and done (select "Don't ask any longer" when you are asked for saving or restoring)
2.38 2011-02-xx	• new: deactivate function of WinSize2 (moving and resizing) in the taskbar and the Special Parameters • fix: with X-Mouse (window is activated, when mouse hovers over it but not brought to the foreground) set e.g. with "TweakUI for Windows XP" (thanks commander-keen)
	• x
known problems	• Write rights needed at update in the installation directory • Problems with program under the control of the "Remote desktop session host" with Windows Server 2008 R2: The window is repostioned but the corresponding click regions (e.g. where a button like Edit was situated before) remain at the old place