

Synkronizer 9.5 User Manual





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1 Install / Uninstall Synkronizer

1.1 Versions

Versions of Synkronizer

There are four different versions of Synkronizer available. Choose the one to fit your needs and budget. (The 30-day Trial version has all features enabled.)

	Light	Standard	Premium	Developer	Trial
	Version	Version	Version	Version	Version
Highlight differences	ü	ü	ü	ü	ü
Create a difference		ü	ü	ü	ü
report					
Navigator			ü	ü	ü
Synkronizer VBA				ü	ü
Price	EUR 29	EUR 49	EUR 69	EUR 149	30days

Just follow these easy steps to install Synkronizer:

Installation

- 1. Start the file synk95.exe and follow the install instructions. (Excel must be closed)
- 2. Start Excel.
- 3. Excel 97, 2000, XP & 2003: The menu entry "Synkronizer 9.5" appears in the menu "Tools". Excel 2007: The Synkronizer menu appears.
- 4. The installation is complete.

1.3 Install Synkronizer manually

You can also install Synkronizer manually by taking the following steps:

Excel 97, 2000, XP, 2003

- 1. Locate the directory where the installation program has copied the Synkronizer files. (Normally this should be C:\Program Files\Synkronizer\Synkronizer 9.5)
- 2. Copy the files "synk95.xla" and "synk95lf.xls" (the language file) to a directory of your choice.
- Open Excel and select the menu Tools → Add-Ins. (You must have a workbook open, else this menu is not available)
- 4. Click on the Browse button, locate and select the file synk95.xla, then click on OK. The entry "»Synkronizer 9.5" is now listed (and checked) in the list of available add-ins. Click ok to close the dialog.
- 5. The menu entry "Synkronizer 9.5" appears in the menu "Tools". Now the installation has been completed successfully.



Excel 2007

- 1. Locate the directory where the installation program has copied the Synkronizer files. (Normally this should be C:\Program Files\Synkronizer\Synkronizer 9.5)
- 2. Copy the files "synk9507.xlam" and "synk95lf.xls" (the language file) to a directory of your choice.
- 3. Open Excel and select the Excel item in the upper left corner.
- 4. Select "Excel options".
- 5. Click the "add-ins"-category.
- 6. Select "manage Excel Add-ins" and press "go".
- 7. Click on the Browse button, locate and select the file synk95xl07.xlam, then click on OK. Click ok to close the dialog.
- 8. The Synkronizer menu appears. Now the installation has been completed successfully.

1.4 Uninstall Synkronizer

Synkronizer is uninstalled with the following instruction: Start \to Programs \to Synkronizer 9.5 \to Uninstall Synkronizer 9.5

1.5 Uninstall Synkronizer manually

You can also remove Synkronizer manually by taking the following steps:

Excel 97, 2000, XP & 2003

- Select the menu Tools → Add-Ins (You must have a workbook open, else this menu is not available)
- 2. Deselect the entry »Synkronizer 9.5 from the list of available add-ins.
- Delete the Synkronizer folder. (Synkronizer is normally installed in the folder C:\Program Files\Synkronizer\Synkronizer 9.5)

Excel 2007

- 1. Open Excel and select the Excel item in the upper left corner.
- 2. Select "Excel options".
- 3. Click the "add-ins"-category.
- 4. Select "manage Excel Add-ins" and press "go".
- 5. Deselect the entry »Synkronizer 9.5 from the list of available add-ins.
- 6. Delete the Synkronizer folder.

(Synkronizer is normally installed in the folder C:\Program Files\Synkronizer\Synkronizer 9.5)



2 Synkronizer Main Menu

Start Synkronizer

Synkronizer is started with the menu instruction Tools \rightarrow Synkronizer 9.5 (Excel 97, 2000, XP & 2003) or the Synkronizer menu. A userform appears which is divided into four sections. The functions and properties of the Synkronizer main form are explained in the following chapters.

2.1 Files

Files	Compare	Settings
1st file (Master)		
Analysis 2007	7-49.xls	•
Addresses		•
		_
Addresses		•
- Worksheet optio		
☐ Worksheets are databases	Link 1 on	1 for Columns 1 for Rows

In the section "Files" you can determine the following:

- Files to be compared
- Worksheet name(s) or ranges
- Worksheet options

Select files

<u>1st file (Master) / 2nd file (Update)</u>

Here you choose the files to be compared. The "first file" is the "Master" file and contains the older data, the "second file" the newer data or "Update". With the "Open File" buttons you can browse your file system to find the required Excel files. By choosing the first dropdown element you can also select either the "open" or the "last used" files.

With the second dropdown you have to decide if you want to compare two worksheets, all worksheets or a specified range. In the following chapters are described how to manage these different comparison types.

Access and ODBC-

Databases



Supported File Types

If you are working with Excel XP (Version 10.0) or a later version the following file types are also supported:

File type:	File extension:
Access databases	*.mdb, *.mde
External databases	*.odc, *.udl, *.dsn
Text files	*.txt, *.csv, *.prn, *.tab
Webpages	*.htm, *.html, *.mht, *.mhtm
XML files	*.xml
Lotus 1-2-3-Files,	*.wk?
QuattroPro/DOS-Files	*.wq1
Works 2.0-Files	*.wks
dBase Files	*.dbf

Note:

If you wish to compare an Access or other ODBC databases, the data will be imported as snapshot. Please note that Synkronizer only compares Excel copies of the databases. This means that a maximum of 65,535 data records (Excel 2000 – Excel 2003, the limit of Excel 2007 are 1'048'576 records) may be compared and that the databases cannot be updated.

2.1.1 Compare two worksheets

Here is explained how to compare two "normal" worksheets. The "database" comparison is explained in chapter 2.1.2.

- 1. Select the files to be compared
- 2. Select the worksheet names
- 3. In the area "Worksheet options" you can decide how the rows/columns should be linked. Synkronizer tries to match the columns and rows.

If you are sure that your worksheets contain no deleted or inserted columns/rows, you can check the fields "Link 1 on 1 for columns/rows". This overrides the linking algorithms.

4. Select "next"-button.



	2.1.2 Compare two databases
	Let us explain the most important differences between "normal" worksheets and "databases":
Normal worksheets	"Normal" Worksheets
	are ordinary worksheets which do not contain column headings and primary keys (IDs).
Databases	Databases
	are worksheets that contain data with a tabular structure. The data must be arranged as follows:
	 The first row contains unique column names. Note: The checkbox "Worksheets are Databases" appears dimmed if your database doesn't start on the first row of the worksheet's "used range" or if the fieldnames can't be matched. Manually select the range of your database so that the field headers are on the first row of the range. See "Comparing Ranges".
primary keys	• The database contains one column with primary keys (unique identification number, article number etc.). A primary key uniquely identifies each data records and facilitates the sorting and synchronizing of your data. The primary key does not need to be a single field (e.g. employee number). It can be constructed from up to four fields (e.g. family name, first name and city) to create a unique identifier and avoid duplicate indexes.
duplicate indexes	• Duplicate indexes are data records, which contain the same identifier. Assuming the primary key is formed from the family and first name, if you have several customers called "John Miller" in your database, Synkronizer will not know which data records should be compared. Make sure that you always operate with unique primary keys.
duplicate records	• Synkronizer will check if your database contains duplicate records. These are records where all fields (not just the index fields) are the same. If found these records will be marked. Duplicate records serve no purpose and should be manually deleted.
	The comparison of "databases" is very powerful and fast. The databases may be arbitrarily sorted or altered. The inserting and deleting of columns and rows is allowed. Synkronizer will recognize all differences between the two files.
	To compare two databases proceed as follows:
	1. Select the files to be compared
	2. Select the worksheet names
	3. In the area "Worksheet options" select "Worksheets are databases". The section "Database options" is displayed.
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Files	Database	Compare	Setting
Database	options		
Create a uni	que index from:		
B - FAMILY	NAME		-
C - FIRST	NAME		-
			-
			-
Sort data			
Group da			
Add Synł	dD		

- 4. Select the section "Database".
- 5. Now you can select the key fields to be compared. You can enter up to four key fields.
- 6. Additionally you can choose the following options:
 - Sort data

the databases are sorted according to the selected key fields.

• Group data

the databases are sorted according to the selected key fields and grouped so that the linked records are displayed at the top, followed by the duplicate indexes / records and the unmatched (added/deleted) records.

• Add Synk ID

In the last column of the databases a new column is inserted with the caption "Synkronizer IDs". This column contains the difference types. After the comparison you can use it to sort or filter your data, The following different types are written:

- 0-ID identical cell
- 1-RD deleted row (only in Master)
- 1-RA added row (only in Update)
- 2-MD duplicate indexes (only in Master)
- 2-MA duplicate indexes (only in Update)
- 3-XD duplicate records (only in Master)
- 3-XA duplicate records (only in Update)
- 4-ZC different cell values
- 5-ZF different formats
- 7. Select "next"-button.



2.1.3 Compare multiple worksheets

If you want to compare multiple worksheets of a file just take the following steps:

- 1. Select the files to be compared
- 2. In the 2nd dropdown select "(multiple worksheets)"; the section "Sheets" is displayed.



- 3. Select the section "Sheets".
- 4. The area "Worksheet Matching" contains two list boxes which contain the worksheet names of the "Master" and "Update"-files. Auto matching: click the radio buttons "Link sheet by name" or "Link sheet by position". The worksheets are automatically matched by their name or position within the workbook. Manual matching: make your selections in the listboxes. Use the spinners to move selected items up or down: only items which are on the same row in the listbox can be matched.
- 5. All items which are selected and on the same row will be compared. Note: A red line between the list boxes indicates that the current selections do not match.
- 6. Select "next"-button.



	iles	Compare	Setting		
- 1st f	ile (Master) —				
	Analysis 2007-49.xls				
	(Specify a range	e)			
	'Addresses'!\$A\$	\$1:\$L\$47			
	Addresses				
	ksheet options orksheets are tabases		1 for Colum 1 for Rows		

2.1.4 Compare ranges

To compare two ranges proceed as follows:

- 1. Select the files to be compared
- 2. In the 2nd dropdown select "(specify a range)"; the 3rd dropdown field is activated.
- 3. Activate the 3rd dropdown field (which is a so-called refedit control). You can now select the desired range with the mouse.
- 4. Select the button with the blue checkmark to return to the form.
- 5. Now you decide if you want a "normal" or a "database" comparison.
- 6. Select "next"-button.



2.2 Compare

In this section you can determine which cell properties you want to compare and select the action to be taken.

	Files	Compare	Settings	
	Contents Values Formulas Comments	Font Bord Patte	ber ment er	
	Action G Highlighter No highlighter Reporter V Navigator Too			
		nal background colors		
l		2	Start 🔽 📎	
<u>Contents</u>				
Here you can set whichValuesFormulasComments	the content to c	compare. You c	an choose one c	of the following criteria:
Difference between cc The two examples below				formulas.
The January turnover ha	as been changed	from \$10.00 to	o \$10.50. As a re	sult the formula for the

Comparison by values

Comparison

by formulas

mula for the The Janu first quarter turnover changed from \$30.00 to \$30.50. When you are comparing values both cells will be considered different.

The formula comparison on the other hand only recognizes the January difference, as the formula for the first quarter is identical.



		Comparis	on by values:		+	
		Old		New		
			Turnover		Turnover	
		January February	10.00	January February	10.50	
		March	9.00	March	9.00	
		1st Quarter	30.00	1st Quarter	30.50	
		Comparis	on by formulas:			
		Old		New		
		January	Turnover 10.00	January	Turnover 10.50	
		February	11.00	February	11.00	
		March	9.00	March	9.00	
		1st Quarter	30.00	1st Quarter	30.50	
Comporison	Companiors by service	.t.a				
Comparison	Comparison by commer	its				
by comments	When you compare comm	ents only c	comments ar	e compared	and dit	fferences in cell values or
	formulas are ignored.	ients, only e	John nents ur	e comparec		
	formulas are ignored.					
Formats	<u>Formats</u>					
I UTITIALS	Formats					
	First check "Compare For	mats" and t	hen select ar	nv of the fo	rmatting	a properties which should
	be compared. You can cho					51 1
			ne ronowing	•		
	Number					
	 Alignment 					
	Font					
	Border					
	 Patterns 					
	Protection					
Notes	Notes:					
NULL.				.1		
	Formats outside the second secon	ne data rang	ge are ignore	a .		
	Formatting difference	ences cause	d by applied	styles are id	nored.	(We've chosen to first
						cell format is equal to the
	cell's style's forma					
	•			•		
	 Comparing forma 	ts takes tim	e for each	cell many p	roperti€	es must be retrieved and
	compared. For lar	ge sheets it	will noticeat	oly affect pe	erforma	nce.
		-				



Action

Depending on your version Synkronizer can take the following actions after it has compared your data:

- Highlighter
- No highlighter
- Reporter
- Navigator Toolbar

You can check one or multiple actions.

In chapter 3 of the user manual the actions are described in detail.

Remove original background colors

Here you can select whether Synkronizer removes existing background colors of cells before highlighting the differences.

Use hyperlinks in "Difference Report"

If you check this option, hyperlinks are added to the difference report to easily jump to the differences found.



2.3 Settings

The settings page contains 4 individual pages with settings and options. The next chapters will explain each page in detail:

2.3.1 Filters

In this page you can decide if Synkronizer should report all differences it finds or report a subset by ignoring differences in a certain location or of a certain type.

	Synkronizer 9.5 (Developer Version)
	Files Compare Settings
	Filters Display Colors System
	Filters Case Sensitive Ignore Invisible Rows Trim Whitespace Ignore Datatype Ignore Column(s) Ignore Constants Ignore Formulas Numeric Tolerance 0 Text Filter Syntax Elike RegEx
Case sensitive	<u>Case sensitive</u> If you make a "normal" comparison, Synkronizer ignores differences between small and capital
	letters (e.g. "John Miller", "JOHN MILLER").
Trim whitespace	<u>Trim whitespace</u> If you select the "Trim whitespace" option Synkronizer removes spaces at the beginning and end of the cell entries and comments before comparing them. Thus "John Miller" and "John Miller " (with trailing spaces) will be considered the same. You can use this to ignore the differences between empty cells and cells with only spaces.
Ignore datatype	Ignore Datatype Depending on cell formatting Excel can store numeric entries as numbers, text or dates. Blank cells as string or empty. This may lead to unexpected results in file comparisons. Cells in Master and Update which look the same may be different to Excel and vice versa. Excel calculation is clever and in many formulas you will not notice the difference. Select this option to ignore these diffences and 'interpret' cell content.
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Constants/Formulas	Include All / Ignore Constants / Ignore Formulas Normally you compare both formulas and constants. Select ignore constants if you want to ignore user input but determine that a file uses the 'latest' formulas. (Synkronizer WILL report a difference if a cell contains a constant and its counterpart a formula.
Numeric Tolerance	<u>Numeric Tolerance</u> Normally numeric tolerance is 0. All differences between numeric entries are reported. In some cases you may want to ignore small differences and focus on the significant ones. Set numeric tolerance to 0.01 to ignore differences of 1 cent or smaller.
Ignore Invisible Rows / Columns	Ignore Invisible Rows / Columns When you select either of these options data in hidden columns or rows will not be compared. Note: The 'Master' file decides if a column/row is hidden or visible.
Ignore Columns	Ignore Columns When you select any or multiple 'ignore columns' the data in these columns will not be compared.
Text Filter	<u>Text Filter</u> With a text filter you can choose to ignore specific differences. Choose between VBA's 'like' operator or a RegEx pattern for Microsoft VBScript Regular Expressions (if installed on your system).
	Following are a few examples of how to use a TextFilter:
	 In a project file the cells with 'Done' should be ignored. Syntax: Like. TextFilter: 'Done' (or [Dd]one if you want)
	 In a project file the cells with 'Todo' or 'Done' should be ignored. Syntax: RegEx. TextFilter: 'Todo Done'
	 In a database the fields with 'New York' or 'Los Angeles' should be ignored. Syntax: RegEx. TextFilter: 'New York Los Angeles'
	Note : Case sensitivity for textfilters depends on Ignore Case option)
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Show / Hide



2.3.2 Display

In this section you can determine how Synkronizer should display the data after the comparison is complete.

Show / Hide

When enabled Synkronizer will show or hide selected entries after comparison.

Files	Com	pare	Settings			
Filters	Display	Colors	Syster			
Show / Hide		, 				
Enable Show	/Hide					
show Deleted / added columns						
show Deleted / added rows show Duplicate indexes / records						
	Different cont Different form					
	(dentical cells					
DELETE data	instead of HI	IDING it?				
Arrange Wind	lows					
Tile Vertical						
O Tile Horizonta	al					

- Deleted / added columns
- Deleted / added rows
- Duplicate indexes / records
- Different cells
- Different formats
- Identical cells

If you don't want to show some data, just click on the values on the list box. The entry will be marked as "hide" or "delete". In the example shown above all cells will be displayed except the identical cells.

DELETE identical data instead of HIDING it?

Here you can determine whether non-marked data will be hidden or deleted. This option can only be selected if the "Highlighter" action is checked and all other actions are unchecked.

Note:

The delete option can only be enabled when the action 'Highlighter' is selected on the compare page and all other actions are deselected.





In this section you can determine the colors, with which Synkronizer highlights the differences. To change a color, just click with the mouse on the appropriate color surfaces (left) and select then the desired color (right).



2.3.4 System

In this section you can determine the langue. Additionally you can upgrade your Synkronizer version and check, if you are working with the latest release of Synkronizer.

	Synkronizer 9.5 (Developer Version)
	Files Compare Settings
	Filters Display Colors System
	Language Settings Select your language:
	More languages available from our website.
	Toolbar button Image: Add Synkronizer button to standard toolbar
	Software / Version v9.5 b080222 C:\ProgramData\Synkronizer 9.5\synk95xl07.xlam
	Update software 🐑 Upgrade version 🏟
	Back
Language Settings	Language Settings
	Here you can change the language used in the user-interface and report. The language file (synk95lf.xls) must be in the same folder as the add-in (synk95.xla). By default the files can be found in "C:\Program Files\Synkronizer\Synkronizer 9.5".
	The list of available languages is frequently extended. The latest language files can be downloaded at http://www.synkronizer.com
	Free registration for translators!
	We will give you a free Synkronizer registration (Developer Version) if you help us translate Synkronizer material into your native language. Please send us a mail at <u>support@synkronizer.com</u> for detailed instructions.
Toolbar Button	Toolbar Button If selected an additional command button is added to the standard toolbar.
Software / Version	Software / Version
	In this area you can see the version you are working with and you can upgrade or update Synkronizer.
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Update software	Update software
	By clicking this button you can check if you are working with the latest release of Synkronizer. This is only possible with an online internet connection.
Upgrade version	Upgrade version If you want to upgrade your version (e.g. from the "Standard" to the "Premium" version) you need to press this button.



3 Action

When the "Start" button is pressed the comparison algoritms will analyse your worksheets. After a few seconds you'll see a screen summarizing the results of your comparison.

The two worksheets have The following differences h	
Deleted columns	1
Added columns	2
Deleted rows	7
Added rows	8
Different values	42
Different formats	1
Font	

This summary always appears, regardless of the selected 'Actions'. (No Summary is shown when Synkronizer was started thru VBA code.)



Highlight Differences

3.1 Highlighter

If you choose this action, Synkronizer just highlights the differences in the underlying worksheets:

	A	В	С	D	E	F	G	Н
44	1938	6'751	6'840	-89	6'364	6'850	-10	397
45	1939	6'295	9'141	-2'846	5'792	9'154	-13	516
46	1940	6'548	9'468	-2'920	5'998	9'482	-14	564
47	1941	8'712	13'653	-4'941	8'024	13'618	35	653
48	1942	14'634	35'137	-20'505	13'738	35'071	66	830
49	1943	24'001	78'555	-54'554	22'871	78'466	89	1'041
50	1944	43'747	91'304	-47'557	42'455	91'190	114	1'178
51	1945	45'159	92'712	-47'553	43'849	92'569	143	1'167
52	1946	39'296	55'232	-15'936	38'057	55'022	210	1'028
53	1947	38'514	34'496	4'018	37'055	34'193	303	1'157
54	1948	41'560	29'764	11'796	39'944	29'396	368	1'248
55	1949	39'415	38'835	580	37'724	38'408	427	1'263
56	1950	39'443	42'562	-3'119	37'336	42'038	524	1'583
57	1951	51'616	45'514	6'102	48'496	44'237	1'277	1'843
58	1952	66'167	67'686	-1'519	62'573	65'956	1'730	1'864
59	1953	69'608	76'101	-6'493	65'511	73'771	2'330	1'766
60	1954	69'701	70'855	-1'154	65'112	67'943	2'912	1'677
61	1955	65'451	68'444	-2'993	60'370	64'461	3'983	1'098
62	1956	74'587	70'640	3'947	68'162	65'668	4'972	1'452
63	1957	79'990	76'578	3'412	73'201	70'562	6'016	773
64	1958	79'636	82'405	-2'769	71'587	74'902	7'503	546
65	1959	79'249	92'098	-12'849	70'953	83'102	8'996	-700
66	1960	92'492	92'191	301	81'851	81'341	10'850	-209
67	1961	94'388	97'723	-3'335	82'279	86'046	11'677	431
68	1962	99'676	106'821	-7'146	87'405	93'286	13'535	-1'265
69	1963	106'560	111'316	-4'756	92'385	96'352	14'964	-789
70	1964	112'613	118'528	-5'915	96'248	102'794	15'734	632
71	1965	116'817	118'228	-1'411	100'094	101'699	16'529	194
72	1966	130'835	134'532	-3'698	111'749	114'817	19'715	-630
73	1967	148'822	157'464	-8'643	124'420	137'040	20'424	3'978
74	1968	152'973	178'134	-25'161	128'056	155'798	22'336	2'581
75	1969	186'882	183'640	3'242	157'928	158'436	25'204	3'749

Differences are highlighted with the following (default) colors:

- light blue for deleted columns and rows
- green for added and columns and rows
- yellow for different cell entries
- orange for different formats
- lavender for duplicate indexes (only in database mode)
- claret for duplicate records (only in database mode)

At one glance Synkronizer clearly displays all differences and you can decide with which version of the worksheet you wish to proceed.

The colors listed above are the default values, you can specify your own color settings as described earlier.

Versions

Versions:

The action "Highlight Differences" can be used with all versions of Synkronizer.



Create a Difference Report

3.2 Create a Difference Report

If desired, you can display the result of the comparison in a reader friendly difference report. On this report you not only see the rows or columns deleted and/or added, but also each individual cell with different values. The difference report displays the values entered in worksheet 1 and worksheet 2. This report is a great help in tracing differences and updating your Excel files.

Diffe	rence Report			RONIZER					
Comparison	type: Values		13.10.2006						
Data1.x	ls	Data2.x	ls						
H:\Data1.: 13.10.200	xls 6 20:36:49	H:\Data2.: 13.10.200	ds 6 20:36:58						
synchro	nized worksheets		thes	e worksheets were compar					
•	Controlling	•	Controlling						
workeh	eete: controlling / controll	una (10)							
deleted	eets: controlling / controll / added rows (1/0)		these rows were found	in only one of the workshee					
deleted row 47	/ added rows (1/0)			in only one of the workshee ese cells have different value					
deleted <u>row 47</u> differen				·					
deleted <u>row 47</u> differen [.] <u>=17</u>	/ added rows (1/0) t values (9)	· · · · · · · · · · · · · · · · · · ·		·					
deleted <u>row 47</u> differen <u>517</u> 048 050	/ added rows (1/0) t values (9) 691	<u>F17</u> <u>D47</u> <u>G49</u>	the	·					
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deleted row 47	/ added rows (1/0) 691 -20'505 114 -47'553 37'055 67'680	E17 D47 G49 D50 E52 C57	-20'503 115 -47'556 37'056 67'686	-					



Versions:

The action "Create a Difference Report" can be used with the following versions of Synkronizer:

- Standard Version
- Premium Version
- Developer Version



Navigator Toolbar

3.3 Navigator Toolbar

The third function of Synkronizer is the "Navigator" toolbar: After the comparison process the worksheets are displayed vertically or horizontally and a user friendly toolbar is displayed, with which you can easily navigate through the differences.

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-	2786	Sturgeon Oil Ltd	13007 Fort Road		7	2730	Eastern Oil Service Ltd.	401 22nd Street East
	2967	Sturgeon Oil (1993) Ltd.	1410 Scarth Street		8	2786	Sturgeon Oil Ltd	13007 Fort Road
-		All Season Motor Repair	722 Hwy 23 South		9	2967	Sturgeon Oil (1993) Ltd.	1410 Scarth Street
10 3		Northumberland Oil Sales Ltd.	305 Leslie Street Sou		-	3052	All Season Motor Repair	722 Hwy 23 South
	3215	Duffs Oil Discounter	40 Frobisher Drive			3153	Northumberland Oil Sales Ltd.	305 Leslie Street South
	1225	Don Ashman's Central Oil Ltd	3829 Yellowhead Higt			3348	Market Oil Ltd.	1151 Brydges Street
	1256	La Cie Canada Oil Inc	277 Hespler Road			4256	La Cie Canada Oil Inc	277 Hespler Road
14 4		Midway Oil Ltd.	1950 Springfield Roac			4405	Midway Oil Ltd.	1950 Springfield Road
	4405	Market Oil Ltd.	401 1st Street West			4736	Market Oil Ltd.	401 1st Street West
16 4		West Coast Vulcanizing	1073 West Central St			4738	West Coast Vulcanizing	1073 West Central Str
	1789	B & H Oil Service Ltd.	321 Circle Drive West			4789	B & H Oil Service Ltd.	321 Circle Drive West
18 5		Frisby Oil Company	Unit D. 33800 King R			5472	Qt Oil & Lube Inc	524 Front Street
19 5		Pinkus Oil & Battery Kingdom	1780 Queensdale Ave			5477	Frisby Oil Company	Unit D, 33800 King Ro
20 6		Larsen Bros. Oil Centre	79 Peter Street			5769	Pinkus Oil & Battery Kingdom	1780 Queensdale Aver
	5256 5330		890 Somerset Street			6256		79 Peter Street
		Wayne's Oil Discounter		1		6330	Larsen Bros. Oil Centre	
	5413	Specialty Oil Sales Ltd	402 1st Avenue South				Wayne's Oil Discounter	890 Somerset Street V
	5675	Dave's Oil Discounter	220 1st Street			6413	Specialty Oil Sales Ltd	402 1st Avenue South
24 6		Pro Oil Service Ltd.	376 Saint Albert Trail			6675	Dave's Oil Discounter	220 1st Street
	5742	Glendale Oil Ltd.	4358 Highway 31			6721	Pro Oil Service Ltd.	376 Saint Albert Trail
26 6		Sturgeon Oil Ltd	21500 Transcanadien			6742	Glendale Oil Ltd.	4358 Highway 31
	7142	Garibaldi Oil Service	1151 Brydges Street			6771	Sturgeon Oil Ltd	21500 Transcanadienn
	7395	Midway Oil Ltd.	186 Piccadilly Street			7142	Garibaldi Oil Service	1151 Brydges Street
	7416	Talisman Oil Centre	421 Saint Mary's Roa			7395	Midway Oil Ltd.	186 Piccadilly Street
	7439	Value Oil (Yorkton)	550 Westville Road			7416	Talisman Oil Centre	421 Saint Mary's Road
	7526	Bargain Oil Centre	2625 Saint John Stree			7428	Revelstoke Oil Service	33245 Glasgow Avenue
		Frisby Oil Company	2958 Boys Road			7691	Frisby Oil Company	2958 Boys Road
	7730	Elrich Oil Ltd.	1123 Notre Dame Ave			7730	Elrich Oil Ltd.	1123 Notre Dame Aver
	▶ H / Calculat	Oil Connection tion Customers (400 Hazeldean Road		34	7817 Custor	Trail Oil Service Ltd ners / Turnover /	510 Provencher Boules
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Detailed information is described in chapter 4 Navigator.



Versions:

The "Navigator" can be used with the following versions of Synkronizer:

- Premium Version
- Developer Version



4 Navigator Toolbar

Certainly the most comfortable function of Synkronizer is the "Navigator" toolbar. After the comparison process the worksheets are displayed vertically or horizontally and a user friendly toolbar is displayed, with which you can easily navigate through the differences. Synkronizer ensures that both tables are displayed on your screen in order for you to directly compare all differences. At this point you can decide with which version you wish to continue. With mouse-clicks you can transfer values from table 1 to table 2 or vice versa. This is the quickest way to eliminate all differences and within a short period of time you will have your Excel worksheet perfectly updated.

After the comparison process the worksheets are tiled vertically and a user friendly toolbar appears:

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3 1875	Hyack Oil Limited	1683 Main Street		3 1629	Erisby Oil Truck Centre	147 Broadway North
4 2381	Midway Oil Ltd. Synkron	izer Navigator			•	6143 - 48 Avenue
5 2648	Arrow Oil Distribute	100% - 14 4 2	\rightarrow	of 19 🎲 🥎 🗄	Show / Update • 🛛 🍖 🔝	107 Industrial Avenue
6 2730	Eastern Oil Service					425 Industrial Avenue
7 2786	Sturgeon Oil Ltd	13007 Fort Road		7 2730	Eastern Oil Service Ltd.	401 22nd Street East
8 2967	Sturgeon Oil (1993) Ltd.	1410 Scarth Street		8 2786	Sturgeon Oil Ltd	13007 Fort Road
9 3052	All Season Motor Repair	722 Hwy 23 South		9 2967	Sturgeon Oil (1993) Ltd.	1410 Scarth Street
10 3153	Northumberland Oil Sales Lt	td. 305 Leslie Street Sou		10 3052	All Season Motor Repair	722 Hwy 23 South
11 3215	Duff's Oil Discounter	40 Frobisher Drive		11 3153	Northumberland Oil Sales Ltd.	305 Leslie Street Sout
12 4225	Don Ashman's Central Oil Lt			12 3348	Market Oil Ltd.	1151 Brydges Street
13 4256	La Cie Canada Oil Inc	277 Hespler Road		13 4256	La Cie Canada Oil Inc	277 Hespler Road
14 4405	Midway Oil Ltd.	1950 Springfield Roac		14 4405	Midway Oil Ltd.	1950 Springfield Road
15 4736	Market Oil Ltd.	401 1st Street West		15 4736	Market Oil Ltd.	401 1st Street West
16 4738	West Coast Vulcanizing	1073 West Central St		16 4738	West Coast Vulcanizing	1073 West Central Str
17 4789	B & H Oil Service Ltd.	321 Circle Drive West		17 4789	B & H Oil Service Ltd.	321 Circle Drive West
18 5477	Frisby Oil Company	Unit D, 33800 King R		18 5472	Qt Oil & Lube Inc	524 Front Street
19 5769	Pinkus Oil & Battery Kingdo	m 1780 Queensdale Ave		19 5477	Frisby Oil Company	Unit D, 33800 King Ro
20 6256	Larsen Bros. Oil Centre	79 Peter Street		20 5769	Pinkus Oil & Battery Kingdom	1780 Queensdale Aver
21 6330	Wayne's Oil Discounter	890 Somerset Street	10	21 6256	Larsen Bros. Oil Centre	79 Peter Street
22 6413	Specialty Oil Sales Ltd	402 1st Avenue South		22 6330	Wayne's Oil Discounter	890 Somerset Street V
23 6675	Dave's Oil Discounter	220 1st Street		23 6413	Specialty Oil Sales Ltd	402 1st Avenue South
24 6721	Pro Oil Service Ltd.	376 Saint Albert Trail		24 6675	Dave's Oil Discounter	220 1st Street
25 6742	Glendale Oil Ltd.	4358 Highway 31		25 6721	Pro Oil Service Ltd.	376 Saint Albert Trail
26 6771	Sturgeon Oil Ltd	21500 Transcanadien		26 6742	Glendale Oil Ltd.	4358 Highway 31
27 7142	Garibaldi Oil Service	1151 Brydges Street		27 6771	Sturgeon Oil Ltd	21500 Transcanadienr
28 7395	Midway Oil Ltd.	186 Piccadilly Street		28 7142	Garibaldi Oil Service	1151 Brydges Street
29 7416	Talisman Oil Centre	421 Saint Mary's Roa		29 7395	Midway Oil Ltd.	186 Piccadilly Street
30 7439	Value Oil (Yorkton)	550 Westville Road		30 7416	Talisman Oil Centre	421 Saint Mary's Road
31 7526	Bargain Oil Centre	2625 Saint John Stree		31 7428	Revelstoke Oil Service	33245 Glasgow Avenu
32 7691	Frisby Oil Company	2958 Boys Road		32 7691	Frisby Oil Company	2958 Boys Road
33 7730	Elrich Oil Ltd.	1123 Notre Dame Ave		33 7730	Elrich Oil Ltd.	1123 Notre Dame Aver
34 7904	Oil Connection	400 Hazeldean Road		34 7817	Trail Oil Service Ltd	510 Provencher Boules
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Navigator worksheets view



	4.1	Tool	bar												
Navigator toolbar	The N	lavigato	or toolb	ar is as	foll	lows:									
			Synkron	izer Navig 100% 3		I¶ ¶ 4 5	7)	H	of 57 9	10 1		Show / Update • 12	· 🔌 13	₽ * 14
Description symbols	The N	lavigato	or toolb	ar cont	ains	s the f	ollov	ving	fun	ction	S:				
	1 - 2	 1 - 2 Tile worksheets By using these buttons you can tile the worksheets vertically (1) or horizontally (2). 													
	3	Zoon With		nmand	you	i can :	zoon	n the	WO	rkshe	ets.				
	4 - 8	 With this command you can zoom the worksheets. 4 - 8 Navigation command With these commands you can navigate through each difference (commands 4, 5, 7, 8) or jump directly to a particular difference (6). 													
	9 Total differences This describes the total number of differences found between the two files.														
	10 Update "Update" With this command the differences are transferred from the "Master"-file (left) to the "Update" file (right). This overwrites the change with the original data.								le (left) to the						
	Note: only the highlighted difference is updated.														
	11	Update "Master" With this command the differences are transferred from the "Update"-file (right) to the "Master" file (left). This overwrites the original data with the updated data.													
	Note: only the highlighted difference is updated.														
	12	12 Show / Update If you click on this switching surface a menu appears with which you can show/hide th data and update them.								n show/hide the					
	13	By us	ove bac ing this pround c	comma	and	the b				olor c	of the	dif	ferences wil	l be	deleted. All other
	14		e toolba this cor		the	toolb	oar w	ill be	e clo	sed.					
															Eabruar 2009 Daga 25



Show / Update 4.2 Show / Update With this menu you can show or hide differences. The show menu contains the following: functions: Which data should be displayed? Worksheet: Multiple worksheets21 -~ Deleted / added columns 22 Deleted / added rows ~ 23 ~ Different values 25 Different formats 26 ~ Unchanged cells 27 Update Master (1st) Added columns **28** ► 28.1 Update Update (2nd) Added rows 28.2 29 Different values 28.3 Calculate differences 30 Different formats 28.4 Ontions 31 × Selected range 28.5 4.2.1 Show / hide differences Show / hide differences With the menu commands 1 to 7 you can show or hide the desired differences dynamically. Depending on whether the menu commands have a checkmark on the left, differences are shown or hidden. With a checkmark differences, are shown, without one they are hidden. The following is an explanation of the different menu commands: 21 Worksheet If multiple worksheets are compared this item will be displayed. You can display only the differences within the selected worksheet. If you are working with only one worksheet this menu item is hidden. 22 Deleted / added columns If this menu option is selected, deleted (only in "Master" file) and added (only in "Update" file) colums are shown. 23 Deleted / added rows With this option, deleted and/or added rows are shown. 24 Duplicate indexes / records (database mode only) Duplicate indexes and records may occur with a database comparison. If this menu option is selected those rows are shown. 25 Different values With this selection, rows with different cell values (or formulas or comments) are shown. 26 Different formats If your worksheets contain different formats you can show or hide the different formats.



27 Identical cells Identical cells contain the same data in both files. These cells can be shown or not if you select this menu.

28 Update Master In this menu you can update the "Master" file (table left hand side) by using the following functions:

28.1 Added columns

The added columns (of the file "Update") can be added to the "Master"-file. The columns will be transferred from the right to the left worksheet.

28.2 Added rows

The added rows (of the file "Update") can be added to the "Master"-file. The rows will be transferred from the right to the left worksheet.

28.3 Different values

The cells, which contain different values, can be transferred to the "Master"-file. The differences can be transferred directly or by manual confirmation.

28.4 Different formats

The different format can be transferred from the "Update" to the "Master" file.

28.5 Selected range

When only specific differences should be updated. Select a range and press this button. The differences in the selected range will be updated.

29 Update "Update"

Within this menu you can update the "Update"-file. The menu functions are identical with the menu "Update Master" with the difference that the data are transferred from the "Master"-file to the "Update"-file (or from left to right).

30 Calculate differences

If some columns of the worksheets contain numbers you can calculate the differences of these columns. To calculate the differences just click on this menu item, the following message box appears:

Synkronizer 9.5	X
Calculate differen	ces
Column	Column C 🗨
Calculation mode.	absolute difference 💌
	Calculate

Select the desired column to be calculated and the calculation mode. Then click on the "Calculate" button. The differences are written into last column of the worksheets.



31 Options

move to next difference after update

If this menu option is selected the cursor will automatically jump to the next difference after you press Update Master(1st) or Update Update (2nd).

update empty cells

If this menu option is selected all differences will be updated. Deselect this option to prevent cell contents being overwritten with blank (empty) content from the other file.

Example:

You want to update your product list. The update contains newer information, but not all fields are complete. To prevent mishaps you don't want to overwrite existing information with blank cells from the incomplete update file.



	5 Synkronizer with Visual Basic for Applications
	Synkronizer can also be controlled using Visual Basic for Applications (VBA). This has the advantage that recurring, standardized or complex comparison processes can be automated.
Versions	Versions: Synkronizer VBA can be used with the following version of Synkronizer: • Developer Version
	5.1 Syntax
Syntax	The syntax of the Synkronizer functions is as follows:
	Synkronizer(sFileOld As String, sFileNew As String, vSheetOld As Variant, optional sPasswordOld As String, Optional sPasswordNew As String, Optional sRangeOld As String, Optional sRangeNew As String, Optional sCompareType As String, Optional sHide As String, Optional sFormats As String, Optional sFormats As String, Optional sDBOptions As String, Optional sDBOptions As String, Optional sLinklon1 As String, Optional sReportFile As String, Optional sReportFile As String, Optional sReportFile As String, Optional sFilters As String, Optional sFilters As String, Optional sFilters As String, Optional sIgnoreCols As String, Optional sTextfilter As String, Optional dTolerance As String,
	5.2 Return Value
Return Value	The return value of the Synkronizer function is presented as follows :
	"Err" Synkronizer could not interpret one or more of the arguments or errors during processing.
	Array Synkronizer detected differences and returns the differences in a two dimensional array which is arranged as follows:
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		Element(1, 1): Caption "Total differences" Element(1, 2): Number of total differences Element(2, 1): Caption "Deleted worksheets" Element(2, 2): Number of deleted worksheets Element(3, 1): Caption "Added worksheets" Element(3, 2): Number of added worksheets Element(4, 1): Caption "Deleted columns" Element(4, 2): Number of deleted columns Element(5, 1): Caption "Added columns" Element(5, 2): Number of added columns Element(6, 1): Caption "Duplicate indexes" Element(6, 2): Number of duplicate indexes" Element(6, 2): Number of duplicate indexes Element(7, 1): Caption "Duplicate records " Element(7, 2): Number of duplicate records " Element(8, 1): Caption "Deleted rows" Element(8, 2): Number of deleted rows Element(9, 1): Caption "Added rows" Element(9, 2): Number of added rows Element(10, 1): Caption "Different Cell Entries" Element(10, 2): Number of different cell entries Element(11, 1): Caption "Different Formats" Element(11, 2): Number of different formats Element(12, 1): Caption "Used filters:" Element(12, 2): Used filters						
	5.3 Arguments							
Arguments	The function contains the following arguments.							
	sFileOld	File (incl. Path) of the 1 st file (Master). You can use Excel-, text- and odc-files. Access databases must be entered in an odc file.						
	sFileNew	File (incl. Path) of the 2 nd file (Update).						
	vSheetOld	Worksheet name or number of the 1st file. You can enter the following values:1the first worksheet of the 1st file will be compared3the third worksheet of the 1st file will be compared""the worksheet with the caption "sheet1" will be compared all worksheets will be compared.						
	vSheetNew	Worksheet name or number of the 2 nd file.						
	sPasswordOld	Optional. Password of the protected sheet of the 1 st file.						
	sPasswordNew	Optional. Password of the protected sheet of the 2 nd file.						
	sRangeOld	Optional. A1-Range of 1 st worksheet. If this argument is empty, all cells will be compared.						



aRangeNew	Optional. A1-Range of 2 nd worksheet.
sCompareType	Optional. This parameter contains the comparison type. You can choose one or multiple of the following characters:
	 v Comparison by values f Comparison by formulas c Comparison by comments
	If this parameter is empty, a comparison by values is done (see also chapter 2.2.1 Area "Contents"). E.g. you want to make "case sensitive"-value comparison, just enter "vs".
sHide	Optional. With this parameter you can set the data types to be hidden. You can choose one or multiple of the following options:
	 c deleted / added columns r deleted / added rows d duplicate indexes / records v different values (or formulas, comments) f different formats i identical cells
sFormats	Optional. With this parameter you determine the formats to compared:
	 Number formattings Alignments Fonts Borders Patterns Cell protections
sKeyFields	Optional. If you want to make a database-comparison, please enter the names of the keys in this section. The keys are divided with semicolons ";" (e.g. Family name; Fist name; City). If you do not make a database-comparison, leave the field empty.
sDBOptions	Optional. If you are making a database-comparison, you can also set the following options:
	s the data records will be sortedg the data records will groupedi a Synkronizer ID will be added at the end of the database
sLink1on1	Optional. If the columns or rows shall be linked 1 on 1 (the worksheets contain no added/deleted columns or rows), you can set these options:
	c the columns are linked 1 on 1r the rows are linked 1 on 1



sAction	Optional. This argument contains the action function. You can enter the following arguments:
	 h the differences are highlighted r a difference report is created n the navigator is started
	The values can be combined. If the differences should be highlighted and the Navigator started, you need to enter "hr". If this argument is empty, the worksheets are just compared without any action.
sReportFile	Optional. If you want to create a difference report, just enter the filename (incl. Path) for the report to be created (e.g. C:\Documents\Report.xls).
bHyperlinks	Optional. If true then difference report will contain hyperlinks.
bDeleteBGColor	Optional. If true then existing background colors will be removed before the differences are highlighted.
sFilters	Optional. Combination(s) of following filters:
	 s (case) sensitive comparison t trim whitespace d ignore datatype c ignore hidden columns r ignore hidden rows k ignore constants f ignore formulas
	options can be combined in random order. (except ignore Constants /Formulas).
sIgnoreCols	Optional. Ignore specified columns. A semicolon (;) delimited string. Use column numbers (relative to range) or Fields names in database mode.
dTolerance	Optional. Ignore (numeric) difference below the tolerance.
sTextfilter	Optional. Sets text filter. Must start with like: or regex: Then append a valid pattern.
	Examples: Like like:done RegEx regex:yes no



	5.4 Using Synkronizer in your VBA Scripts
	To execute Synkronizer with VBA, set a reference to Synkronizer in your scripts. To set a reference, proceed as follows:
	1. open the Excel worksheet that contains the VBA script
	2. open the VBA Editor (Keyboard Shortcut Alt-F11)
	3. set the focus to your VBA script
	4. go to the Tools menu and select References
	5. find 'Synkronizer95' in the list, and put a check next to it
	Now you are able to use the Synkronizer-function. You can see some examples of VBA scripts below. Please feel free to use them.
VBA Examples	5.5 VBA-Examples
	5.5.1 Example 1
	This example highlights the differences between the worksheets named "Addresses" in the files FileOld and FileNew.
	Public Sub Example_1() Dim vSynk As Variant Dim sMsg As String Dim i As Integer
	On Error GoTo errH
	<pre>vSynk = Synkronizer(sFileOld:="C:\Documents\FileOld.xls", _ sFileNew:="C:\Documents\FileNew.xls", _ vSheetOld:="Addresses", _ vSheetNew:="Addresses", _ sAction:="h")</pre>
	Beep
	If Not IsArray(vSynk) Then MsgBox vSynk, vbExclamation
	ElseIf vSynk(1, 2) = 0 Then MsgBox "No differences noted.", vbInformation
	Else sMsg = "Synkronizer found differences:" & vbNewLine & vbNewLine
	<pre>For i = 1 To UBound(vSynk) sMsg = sMsg & vSynk(i, 1) & ": " & vSynk(i, 2) & vbNewLine</pre>
	Next i MsgBox sMsg, vbInformation
	End If
	Exit Sub
	errH: MsgBox Err.Description, vbExclamation End Sub



5.5.2 Example 2 This example highlights the differences in all worksheets of the two files. Public Sub Example_2() Dim vSynk As Variant Dim sMsg As String Dim i As Integer On Error GoTo errH vSynk = Synkronizer(sFileOld:="C:\Documents\FileOld.xls", _ sFileNew:="C:\Documents\FileNew.xls", _ vSheetOld:="", _ vSheetNew:="", _ sHide:="i", sAction:="h") Веер If Not IsArray(vSynk) Then MsgBox vSynk, vbExclamation
ElseIf vSynk(1, 2) = 0 Then MsgBox "No differences noted.", vbInformation Else sMsg = "Synkronizer found differences:" & vbNewLine & vbNewLine For i = 1 To UBound(vSynk) sMsg = sMsg & vSynk(i, 1) & ": " & vSynk(i, 2) & vbNewLine Next i MsgBox sMsg, vbInformation End If Exit Sub errH: MsgBox Err.Description, vbExclamation End Sub



5.5.3 Example 3

This procedure compares the first worksheet of both Excel files and creates a difference report called "Report.xls".

```
Public Sub Example_3()
 Dim vSynk As Variant
 Dim sMsg As String
 Dim i As Integer
  On Error GoTo errH
 vSynk = Synkronizer(sFileOld:="C:\Documents\FileOld.xls", _
                       sFileNew:="C:\Documents\FileNew.xls", _
                       vSheetOld:=1, _
                       vSheetNew:=1, _
                       sAction:="r",
                       sReportFile:="C:\Documents\Report.xls")
 Веер
 If Not IsArray(vSynk) Then
 MsgBox vSynk, vbExclamation
ElseIf vSynk(1, 2) = 0 Then
    MsgBox "No differences noted.", vbInformation
 Else
    sMsg = "Synkronizer found differences:" & vbNewLine & vbNewLine
    For i = 1 To UBound(vSynk)
     sMsg = sMsg & vSynk(i, 1) & ": " & vSynk(i, 2) & vbNewLine
    Next i
    MsgBox sMsg, vbInformation
  End If
  Exit Sub
errH:
 MsgBox Err.Description, vbExclamation
End Sub
```



5.5.4 Example 4

This example compares the databases "Addresses". The primary key is "ID". The data records will be grouped and the Synkronizer IDs are added to the databases. Finally the differences are highlighted in both files and the Navigator is started.

```
Public Sub Example_4()
 Dim vSynk As Variant
 Dim sMsg As String
 Dim i As Integer
 On Error GoTo errH
 vSynk = Synkronizer(sFileOld:="C:\Documents\FileOld.xls", _
                      sFileNew:="C:\Documents\FileNew.xls", _
                      vSheetOld:="Addresses", _
                     vSheetNew:="Addresses", _
                     sKeyFields:="ID", _
                      sDBOptions:="gi", _
                      sAction:="hn")
 Веер
 If Not IsArray(vSynk) Then
   MsgBox vSynk, vbExclamation
 ElseIf vSynk(1, 2) = 0 Then
   MsgBox "No differences noted.", vbInformation
 Else
   sMsg = "Synkronizer found differences:" & vbNewLine & vbNewLine
   For i = 1 To UBound(vSynk)
     sMsg = sMsg & vSynk(i, 1) & ": " & vSynk(i, 2) & vbNewLine
   Next i
   MsgBox sMsg, vbInformation
 End If
 Exit Sub
errH:
 MsgBox Err.Description, vbExclamation
End Sub
```



```
5.5.5 Example 5 (Compare Multiple Files)
Compare multiple files
                   This procedure compares one Master-file (Master.xls) with all files within the folder
                   "C:\Documents\New\" and produces a difference report for every comparison. The difference
                   reports are saved in the folder "C:\Documents\Reports\".
                   Public Sub Example_5()
                     Dim sFile As String
                     Dim vSynk As Variant
                     Dim sFileOld As String
                     Dim sFileNew As String
                     Dim sPathNew As String
                     Dim sPathReport As String
                     Dim sFileReport As String
                     On Error GoTo errH
                     sPathReport = "C:\Documents\Reports\"
                     sFileOld = "C:\Documents\Old\Master.xls"
                     sPathNew = "C:\Documents\New\"
                     sPathReport = "C:\Documents\Reports\"
                     sFileNew = Dir(sPathNew & "*.xls")
                     Do While sFileNew <> ""
                       sFileReport = "Difference Report " & sFileNew
                       vSynk = Synkronizer(sFileOld:=sFileOld,
                                             sFileNew:=sPathNew & sFileNew, _
                                             vSheetOld:=1,
                                             vSheetNew:=1, _
                                             sAction:="r",
                                             sReportFile:=sPathReport & sFileReport)
                       If Not IsArray(vSynk) Then
                         MsgBox vSynk, vbExclamation
                         End
                       End If
                       Workbooks(sFileNew).Close SaveChanges:=True
                       Workbooks(sFileReport).Close SaveChanges:=False
                       sFileNew = Dir
                     Loop
                     Веер
                     MsgBox "Finished"
                     Exit Sub
                   errH:
                     MsgBox Err.Description, vbExclamation
                   End Sub
```