User's Guide

Easy Referencer Tool for PV
Version 1.0

CASIO®

E

Copyright

Handling of CD-ROMs

- Never run CD-ROMs on an audio CD player, as this may damage your hearing or the speakers if the volume is set too loud.

- Store the CD-ROM in a place where it is safe from direct sunlight, extreme heat and extreme cold.

- Keep the surface of the CD-ROM free from scratches, finger prints, dust and dirt.

- Do not turn off the CD-ROM drive or remove the CD-ROM while the CD-ROM is being read by the computer.

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1 General Information

1.1 Introduction

The Easy Referencer Tool for PV is an efficient program for creating databases that can be displayed on a CASIO device. This means that the Easy Referencer Tool for PV makes important information accessible even without a PC.

The content of the database is established in Microsoft Excel. The Easy Referencer Tool for PV allows you to convert an Excel file that a database is based upon into a Referencer file. This is the only thing that a CASIO device can read.

A Referencer database is structured similar to a book in the sense that the database is also divided up into individual chapters. Whenever you open a database on your CASIO device, you are shown an overview of chapters in a similar fashion to a table of contents. You touch a chapter with the pen of your CASIO device to "open up" a chapter.

As with conventional books, the Referencer database has the possibility to individually design the layout of each of the chapters. For instance, you may insert intermediate headings to structure the individual chapters. You also have the possibility of inserting bitmap images into database chapters. The purpose of this is to help you to design the individual chapters of the Referencer database in a more appealing fashion.

There are various possibilities for displaying the content of a chapter on the CASIO device. For instance, you may either call up a chapter from the table of contents or you refer to other chapters within individual chapters. The reference to other chapters makes it possible for you to jump back and forth between these chapters. You may display chapters that follow directly after one another by touching the buttons for scrolling on the CASIO device.

If a chapter is to contain information that is only supposed to be displayed if required Easy Referencer Tool for PV offers another solution. That is, you can define the content of chapters so that they are only displayed if you explicitly call them up. The content of chapters defined in this fashion are comparable to notes in books.

Finally, you establish the content and layout of your database with the aid of certain formats in the Excel table it is based upon. The Easy Referencer Tool for PV interprets these formats accordingly and this is the reason why the desired result is only visible in the Referencer file on your CASIO device.

1.2 The Legend for the Symbols Used

The following symbols are used in the User's Guide:

[...]	Button
" ... "	File name Area of your CASIO device The name of a Excel table
' ... '	Menu An item on the menu A field or option in a dialog window
"..."	A chapter or pop-up topic
'...'	The content of a chapter or pop-up topic

1.3 System requirements

To run the software with Microsoft Excel 2002 you will need the following system configuration:

- Microsoft Windows Me, Windows 2000 Professional, Windows 98, Windows NT Workstation 4.0 (Service Pack 6 or later)

- PC with a Pentium 150MHz or higher CPU

- 64MB of RAM for Windows 2000 Professional; 32MB of RAM for Windows Me or NT Workstation 4.0; or 24MB of RAM for Windows 98

- CD-ROM drive for software installation

- 9pin COM Port (serial port)

- Microsoft Excel 2002

To run the software with Microsoft Excel 97/2000 you will need the following system configuration:

- Microsoft Windows Me, Windows 2000 Professional, Windows 98, Windows 95 or Windows NT Workstation 4.0 (Service Pack 3 or later)

- PC with a Pentium 150MHz or higher CPU running Windows Me; a Pentium 133MHz or higher CPU running Windows 2000 Professional; or a Pentium 75MHz or higher CPU running Windows 98, 95 or NT Workstation 4.0

- 64MB of RAM for Windows 2000 Professional; 32MB of RAM for Windows Me or NT Workstation 4.0; or 16MB of RAM for Windows 98 or Windows 95

- CD-ROM drive for software installation

- 9pin COM Port (serial port)

- Microsoft Excel 2000 or Excel 97

2   Installing the Easy Referencer Tool

Take the following steps to install the Easy Referencer Tool on your PC:

- Start Windows and put the CD into the CD-ROM drive.

- Select the command **'Run'** from the **'Start'** menu. Then enter the letter of your CD-ROM drive and **"referencer\setup.exe"** in the dialog window and confirm with **[OK]**.
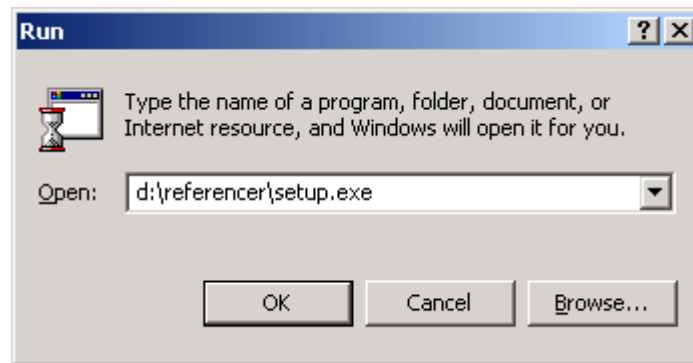
In the graphic above, **"d:"** is the letter of the CD-ROM drives. If your CD-ROM drive has a different drive letter, enter this letter instead of **"d"**. If it is not possible to find the installation program in this directory, click **[Browse...]** and search for **"\referencer\setup.exe"** on the CD-ROM.

- If the installation program is on another data medium, also enter the complete path of the installation program (for instance: **"c:\download\setup.exe"**).

- Then follow the instructions in the installation program.

- The **'Referencer Tool'** menu is listed in the menu line of your Excel programs after you have installed the Easy Referencer Tool on your PC.

- Please note that if Microsoft Excel was running when you installed the application, the **'Referencer Tool'** menu will only be visible after you restart Microsoft Excel.

3 Working with the Easy Referencer Tool

3.1 The Referencer File

You may display the content of the database on your CASIO device with the aid of a Referencer file. You may not make any changes within the database on your CASIO device. Instead of this, you edit databases directly in the Excel file they are based upon.

What has to be observed when creating a Referencer file will be explained in greater detail in the next few sections.

3.2 Creating a Referencer File

Referencer files are created in Microsoft Excel. The Easy Referencer Tool establishes the structure of your database based upon certain formats within the Excel file it is based upon. The content of the Referencer file does not differ from the content of the Excel file. However, the content of the Referencer file is not in the form of a table as in Microsoft Excel. The Easy Referencer Tool transforms the Excel table into a Referencer database whose structure is similar to that of a book.

3.2.1 Choosing a File Name for the CASIO Device

The display of the file name on the CASIO device is limited to 15 characters. The name of the Excel table is displayed as the file name in the **"Referencer"** area in your CASIO device, not the name of the ADT file. So it is in fact the name of the Excel table that is limited to 15 characters.

One Excel file may contain several databases at the same time if you create an Excel table for each database. This file name has to be unambiguous on the CASIO device. Therefore, if you send a database to the CASIO device and there is already a database with the same name in your CASIO device, it will enquire if you really wish to convert and then overwrite the already existing database during conversion. In order to avoid this, you should name the tables as unambiguously as possible and not use the same name in several Excel files.

You may also rename a database by changing the name of the Excel table it is based upon.

3.2.2 Creating a Chapter

A Referencer database is based upon an Excel table. The CASIO device does not display the entire content of an Excel table, but just the content of columns A and B. The Easy Referencer Tool does not include any of the other columns of the Excel table. You may use the remaining columns for such things as remarks or you may leave the columns blank.

	A	B	C
1	At a Hotel	[English -> Spanish]	
2			
3		R003.BMP	
4			
5		====================	
6		**Does anyone here speak English?**	
7		¿Hay alguien aquí que hable inglés?	
8		--------------------------------	

●
●
●

	A	B	C
36	At a Restaurant	[English -> Spanish]	
37			
38		R008.BMP	
39			
40		====================	
41		**Could I see the menu, please?**	
42		La carta, por favor.	
43		--------------------------------	

You define a chapter in column A of the Excel table and you establish the content of this chapter in column B. Column B of the Excel table is also designated as the content of the chapter in the rest of the User's Guide. Please set all cell formatting in rows A and B to the **'text'**-category to ensure a successful conversion. You may find further information on this in the Excel help.

The graphic shown above was taken from the example that is explained in greater detail in chapter 5 of the User's Guide. This example is the Excel table on **"E-S Travel-Conv"** that allows you to generate a Referencer database containing a English-Spanish dictionary. The chapter "At a Hotel" was defined in cell A1. The things that are supposed to be displayed in the database on the CASIO device in chapters "At a Hotel" in cells B1 through B35. The inputs in column B are assigned to a chapter until you define a new chapter in column A. The content of column B is assigned this new chapter from the line where a new chapter begins. In the example graph, a new chapter begins in line 36. Cell A36 contains the name of the chapter "At a Restaurant". This is the reason why the content of column B is assigned to this chapter from cell B36 until a new chapter is defined in column A of the Excel table.

You may establish the layout of a chapter with the aid of specific formats in the Excel table it is based upon. For instance, assigning the exterior line around a cell, as you can see in the graphic, is an example of a format such as this.

The individual rules for formatting will be explained in greater detail in the rest of this section of the User's Guide.

Brief instructions:
1. Assign the cell formatting **'text'**-category to all cells of the columns A and B.
2. Establish the name of the chapter in column A.
3. List everything in the content of the chapter that is supposed to be displayed in this database with this chapter.

Chapters are listed in a table of contents on the CASIO device when the database is opened. The chapters are displayed in alphabetical order in this table of contents.
When displaying the individual chapters, the names of the chapter are moved onto the extreme left-hand edge of the display.

Note
The number of characters per chapter with column A and column B together is limited to 10 kB. The name of the chapter is limited to 64 characters. However, it is recommended limiting the name of the chapter to approximately 25 characters so that all of it can be displayed on the CASIO device in the chapter list.

3.2.3 Creating a Jump

A jump allows you to jump from one chapter to another within your database on the CASIO device. However, first of all you have to define a jump in column B of the Excel table, the content of the chapter. If, for instance, you would like to jump from the chapter "At a Hotel" to the chapter "At a Restaurant", you may proceed in the following fashion: Enter 'At a Restaurant' in the content of the chapter "At a Hotel" and format this text by underlining it once. Underlining it once ensures that this character string is treated as a jump in the Referencer file. You may open this chapter by touching a character string that is defined as a jump in your CASIO device. However, this jump only works when the chapter that you would like to jump to such as "At a Restaurant" also exists as a separate chapter in column A of the Excel file.

Brief instructions:
1. Select a chapter where you would like to enter a jump.
2. Enter the jump in the content of the selected chapter. Then enter the name of the chapter that you would like to jump to. Finally, format the name of the target chapter by underlining it once.
3. Be sure that your target chapter is listed elsewhere in the Excel table.

You may recognize jumps in your database on the CASIO device by the fact that they are underlined once.

3.2.4 Creating a Pop-Up

Pop-ups allow you to define the content of your database so that they are only displayed when you explicitly call them up. The content is always displayed when you touch words twice that are defined as pop-up topics with the pen of your CASIO device. After they are touched, the content of the pop-up topic appears in a separate window, namely the pop-up window. When you close the pop-up window, you automatically return to the chapter shown before. In order to close a pop-up window, touch anyplace outside of the pop-up window on the display of the CASIO device.

Then you may proceed in the following fashion for integrating a pop-up into a chapter. Select the chapter where you would like to enter a pop-up. You list the desired pop-up topic in the content of this chapter and you format it in italics. The Easy Referencer Tool recognizes from the character being formatted in italics that this input is a pop-up topic.

The pop-up window only appears in your database when the corresponding pop-up topic is listed in the list of pop-up topics of your Excel table.

Just like chapters, pop-up topics are also defined in column A of the Excel table and the title of a pop-up topic is also limited to 64 characters. The number of characters per pop-up topic with column A and column B together is limited to 10 kB. In turn, you may establish the content of a pop-up topic in column B of the Excel table.

Please insert the expression '###LINK' so that the Easy Referencer Tool can differentiate between chapters and pop-up topics because '###LINK' separates the chapters from pop-up topics. Please also ensure that you always list the pop-up topics in the Excel workbook after the chapters.

Brief instructions:
1. Select a chapter where you would like to enter a pop-up.
2. Enter the pop-up topic with the content of the selected chapter and format it in italics.
3. Create a list of your pop-up topics in column A of the Excel table after your chapter and enter '###LINK' into the cell in front of the pop-up topic. The expression '###LINK' separates chapters from pop-up topics. Finally, establish the content of a pop-up topic in column B of the Excel table that is supposed to appear in a pop-up window in the Referencer file in your CASIO device.
4. Be sure that the list of the pop-up topics contains the corresponding pop-up topic. This is the only way that a pop-up window is displayed in your Referencer file.

The pop-up topics that you refer to within the individual chapters are shown with a dotted underline in the Referencer file in your CASIO device. Whenever you touch a pop-up topic twice, this displays the appropriate pop-up window. The title of a pop-up topic is moved closer to the left-hand edge of the pop-up window than the other content of the pop-up window.

> **Note**
> You may define several jumps and pop-ups in the Excel cell of the chapter content. The spaces in-between may not have any formatting to ensure that the Easy Referencer Tool can differentiate the individual jumps and pop-ups from one another.

3.2.5 Inserting a Bitmap Image

You may also insert bitmap images into your database. Select a chapter where you would like to insert a bitmap image. Then enter the file name of the bitmap image in the appropriate content of the chapter, assign the file name of the bitmap image the font colour **'red'**. Proceed in an analogous fashion with pop-up topics. You may insert up to a total of 65536 bitmap images into your database.

Note that the bitmap image is limited to 127x160 pixels in size on the CASIO device. If an image is larger than this Easy Referencer Tool will resize the bitmap image to meet this limitation. The original bitmap image file will remain unaltered.

Brief instructions:
1. Select a chapter where you would like to insert a bitmap image.
2. Position the cursor in the appropriate content of the chapter at the place where the bitmap image is supposed to appear.
   If you indent a bitmap image further to the right with the aid of spaces, please ensure that you do not assign this space the red font colour.
3. Enter the file name of the bitmap image there.
4. Assign the file name of the bitmap image the font colour **'red'**.

> **Note**
> Store your bitmap images in the same directory as the Excel file. Only then will it be sufficient to state the file name of the bitmap image. If you have not saved the Excel file yet, there will be an error message because the Easy Referencer Tool does not have the name of the Excel file.
> If there are bitmap images in another directory, please also state the appropriate path in addition to the file name.

3.2.6 Inserting an Intermediate Heading

Intermediate headings are very useful especially with chapters with a longer content because intermediate headings allow you to design the content of chapters in a more clearly structured fashion. In order to create an intermediate heading, frame the appropriate text in the content of the chapter. Please note that the Easy Referencer Tool recognizes an intermediate heading only as such if you use "medium" or "thick" for the width of cell border. Do not use more than 64 characters for the text defined as an intermediate heading and proceed in an analogous fashion to pop-up topics.

Brief instructions:
1. Select a chapter where you would like to insert an intermediate heading.
2. Insert the wording of the intermediate heading at the desired place of the content of the chapters, i.e. column B of the Excel table.
3. Assign an exterior line around the box to the appropriate cell. An exterior line around the box includes all four sides of a cell.
4. Be sure to use a "medium" or "thick" exterior line.

Intermediate headings are displayed on the CASIO device without a box. Instead, they are moved closer to the left-hand edge of the display than the rest of the content of the chapter.

3.2.7 Possibilities for Laying Out Text

You may use the **'bold print'** formatting as usual. If you format this text in bold print in the Excel file, it is also shown later in bold print in the Referencer file on your CASIO device. You may format the name of the chapter and the content of the chapter in bold print. Furthermore, you may also format pop-up topics and their content in bold print.

Brief instructions:
1. Select a chapter where you would like to emphasise text passages with the formatting **'bold print'**.
2. Format the name of a chapter, the content of the chapter or parts of the content of the chapter in bold print.
3. Proceed in an analogous fashion to pop-up topics.

In addition, you may assign text passages in your database a non-proportional font. Enter the appropriate text in the Excel table in blue font colour for this purpose.

Brief instructions:
1. Select a chapter where you would like to assign the content or parts of the content a non-proportional font.
2. Enter the desired text into the content of the chapter.
3. Assign the text the font colour **'blue'**.
4. You may also assign a non-proportional font to the name of the chapter by assigning a blue font colour to the text in column A of the Excel file.

5. Proceed in an analogous fashion to pop-up topics.

Note
You cannot use both **'bold print'** and non-proportional font at the same time. If you assign both the formatting **'bold print'** and the font colour **'blue'** to a character the Easy Referencer Tool will ignore the blue colour and the character will be displayed in bold print proportional font on the CASIO device.

3.2.8 Marking the End of a Database

When you have defined all of the content in your Excel file, enter the expression '###END' at the end of your Excel table. This indicates to the Easy Referencer Tool that it has reached the end of your database.

Brief instructions:
1. Go to the end of your Excel table.
2. Enter '###END' in column A of the Excel table.

3.2.9 Assigning a Version Number

You may assign the database on the CASIO device a version number with the aid of the expression '###VER****'. This function is useful with databases whose content is supposed to be updated more frequently. In order to assign a version number to a Referencer file, go into the line under '###END' and enter the expression '###VER****' in column A there. The four asterisks are substitute symbols for the appropriate version number of the Referencer file to be generated. If, for instance, you would like to assign the version number 1.23 to a Referencer database, enter '###VER0123' in the Excel table it is based upon.

Brief instructions:
1. Assigning a version number is optional.
2. Go to the end of your Excel table.
3. Enter the expression '###VER****' in the line below '###END' in column A of the Excel table. The asterisks are substitute symbols for the appropriate version number.
4. Version numbers are only defined with numbers.

3.2.10 CSV Format

The CSV format is a universal file format for the content of the database. You may open files in the CSV format in Microsoft Excel and you may also convert data in the CSV format into a Referencer file with the Easy Referencer Tool and display them in your CASIO device. If you already have content of the database in the CSV format that you would like to display in a Referencer file, it is no longer necessary to create the data as an XLS file. Instead, open the CSV file in Microsoft Excel and convert it into a Referencer file with the aid of the Easy Referencer Tool.

You may create new database content as a CSV file instead of a XLS file. That is a good idea when you wish to generate chapters whose content is limited to one cell. Proceed as already described in the first section to generate a Referencer file out of this.

Please note when using CSV files that the Easy Referencer Tool only includes the content of the first two columns of your CSV file. The content of other file columns are ignored, meaning that only the content of the first two columns appears in your CASIO device.

Brief instructions:
1. Open a CSV file in Microsoft Excel.
2. Convert the CSV file into a Referencer file with the aid of the Easy Referencer Tool.

4 The Programme Menu of the Easy Referencer Tool

The **'Referencer Tool'** menu contains the following items on the menu that will be explained here in greater detail:
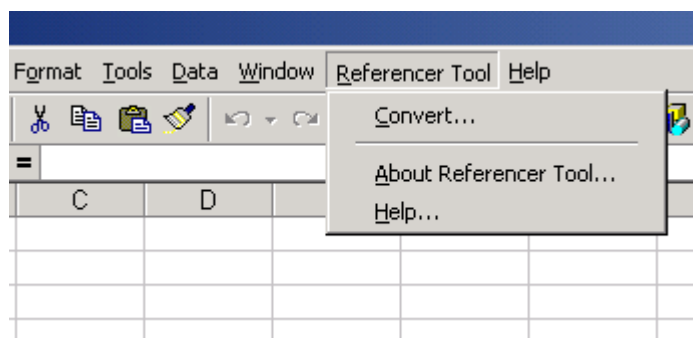
The 'Convert...' item on the menu:

The Easy Referencer Tool converts the Excel table that is being shown in your Excel workbook. Save your Excel table before you convert it. You may only display the data created in Microsoft Excel as a database in your CASIO device only after you have converted your Excel file into a Referencer file. Converting transforms the XLS file into a ADT file without changing the XLS file in this process. The ADT format is necessary to be able to display the Excel data as a Referencer file on your CASIO device.
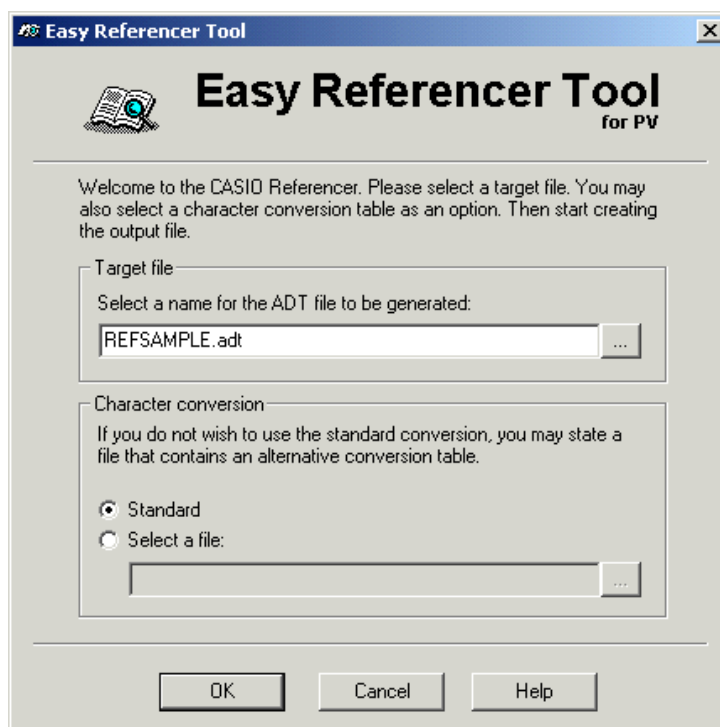
You define a name for the ADT file to be generated under **'Target file'**. You may enter the file name directly into the field or you may also press the button **[...]** that leads you into a file selection dialog. There you can also establish the name of your ADT file. After you have decided upon a name for the file, confirm your selection with **[Save]**. You then automatically return to the dialog window **'Easy Referencer Tool'**.

Microsoft Excel works with another set of characters than your CASIO device. This is the reason why it is necessary to convert the set of characters. Standard conversion cover the characters of all central European languages. This is the reason why **'Standard'** is the basic setting for **'Character conversion'**.
If standard conversion is not sufficient, you may also give a different conversion table. Activate **'Select a file'** for this purpose and enter the file in the field below that contains the desired conversion table. You may also click the button **[...]** which opens a file selection dialog where you can select the appropriate file. Confirm your selection with **[Open]**. The file selection dialog is then closed and you come into the previous dialog window.
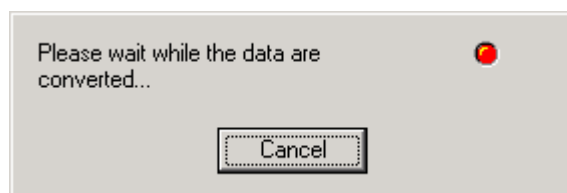

Note
You may also create an alternative conversion table yourself. In order to do this you have to define how all 256 characters of the Windows set of characters are supposed to be displayed on the CASIO device. You should generate the conversion table in Microsoft Excel, create a 17x17 table in an Excel table and organise the table column by column. The first column and the first row are reserved for labels. The first cell on the upper left-hand side corresponds to the character 0. The last cell on the lower right-hand side corresponds the character 255. Enter the corresponding number codes of the characters into the cells that are supposed to be displayed on the CASIO device after conversion. All codes have to be entered in hexadecimal.
The standard conversion table is provided as a template file. It is installed by the installation program into a directory that can be reached via the appropriate link in Window's start menu.
Please note that characters 0 up to and including 127 (lower half of the character set) should usually not be modified to prevent problems with the display of your database on your CASIO device. For this reason, cell protection has been activated for these characters in the standard conversion table. To remove cell protection, simply turn off protection for the worksheet, no password is required.

You may then start the conversion process with **[OK]**. Afterwards, this note is shown:

You may cancel conversion ahead of time with **[Cancel]**. In this case, the ADT file is not generated.

Note

One Excel file may contain several databases at the same time if you create an Excel table for each database. This is the reason why the name of the Excel table is displayed as the file name in the **"Referencer"** area in your CASIO device, not the name of the ADT file.

This file name has to be unambiguous on the CASIO device. Therefore, if you send a database to the CASIO device and there is already a database with the same name in your CASIO device, it will enquire if you really wish to convert and then overwrite the already existing database during conversion. In order to avoid this, you should name the tables as unambiguously as possible and not use the same name in several Excel files.

The display of the file name on the CASIO device is limited to 15 characters. You may also rename a database by changing the name of the Excel table it is based upon.

The 'About Referencer Tool…' item on the menu:
This lists which version of the Easy Referencer Tool you have installed. In addition, you find a note on the copyright.

The 'Help...' item on the menu:
In addition to this User's Guide, there is also a help integrated into the Easy Referencer Tool. You may open the help programme on the Easy Referencer Tool by clicking the **'Help...'** item on the menu.

5 Example

The example file included is a database containing an English-Spanish dictionary. Two chapters are used as an example to illustrate how the Excel file is set up.

5.1 Rules for Formatting within the Excel File

The explained chapters were taken from the example file supplied. You may load them by clicking the appropriate link in Window's start menu. The chapters are in the Excel table **"E-S Travel Conv"**.

5.1.1 The Chapter on "Booking a Flight"

The chapter on "Booking a Flight" extends over lines 134 – 166 while the graphic below is restricted to lines 134 – 145 because these lines make it possible to explain all formats used in the chapter of "Booking a Flight".

	A	B	C
134	**Booking a Flight**	[English -> Spanish]	
135			
136		R007.BMP	
137			
138		Boarding a Plane	
139			
140		Airline code Airport code	
141			
142		=====================	
143		**Can I make a reservation for KLM Flight 320 on October 1st?**	
144		¿Puedo hacer una reserva para el vuelo KLM de primero de octubre, número 320?	
145		--------------------------------	

Line 134:
Please set all cell formatting in rows A and B to the **'text'**-category to ensure a successful conversion.
The chapter of "Booking a Flight" was defined in column A. The name of the chapter is moved to the extreme left-hand edge of the display. Beyond this, this name of a chapter appears in bold print on the CASIO device because it was formatted in bold print in the Excel table it is based upon.
The content of the chapter of "Booking a Flight" is in column B. The entry of '[English -> Spanish]' is mapped on the CASIO device just as you see it in the graphic. The content of a chapter is indented somewhat to the right on the display of the CASIO device.

Line 135:
You can lay out the content of the chapter in a more clearly structured fashion by leaving the cells blank in column B of the Excel table between the individual inputs.

Line 136:
The database should also contain a bitmap image. In order to insert the bitmap image, the file name 'R007.BMP' of the bitmap image was inserted at the point of the content of the chapter where the bitmap image is supposed to appear. A red font colour was assigned to the file name of the bitmap image so that the

Easy Referencer Tool recognizes the bitmap image as such. The bitmap image is in the same directory such as the Excel file and is automatically inserted into the database by the Easy Referencer Tool.

When you indent bitmap images as in the above graphic with the aid of spaces, please make sure that you do **not** assign these spaces a red font colour since otherwise the Easy Referencer Tool would interpret the spaces as a part of the file name.

Line 138:
A jump was defined to the chapter "Boarding a Plane" in cell B138. This is the reason why the text 'Boarding a Plane' is underlined once. Underlining once ensures that the text is recognized as a jump later in the Referencer file on the CASIO device. You can also recognize a jump on the CASIO device from the fact that it is underlined once.

Line 140:
The abbreviations of the various airlines are supposed to be recorded in the topic of "Booking a Flight". They will only be displayed if they are explicitly called up. This is the reason why a pop-up topic on "Airline code" was created and this is also the reason why the entry 'Airline code' is formatted in italics in cell B140. The Easy Referencer Tool recognizes from the fact that it is formatted on italics that the text passage 'Airline code' is a pop-up topic. A pop-up topic is shown on the CASIO device with a dotted underline. Beyond this, it is not only the abbreviations of the airlines, but also the abbreviations of the airports that are supposed to appear in the chapter on "Booking a Flight". Therefore, another pop-up topic for "Airport code" is entered. Touching one of the two pop-up topics in your CASIO device opens the appropriate pop-up window if you have defined this pop-up topic elsewhere in your Excel table. It will be explained at a later point of time how you create a pop-up topic.

Note
The Easy Referencer Tool only recognizes 'Airline code' and 'Airport code' as separate pop-up topics if the spaces between the two pop-up topics are **not** formatted in italics. The same applies to spaces between jumps or between jumps and pop-ups. Therefore, please ensure that you do **not** assign these spaces character formats by deactivating underlining once or italics.

Lines 142 and 145:
The single and double cross-hatch lines generated with the aid of equal signs or hyphens do not have any special importance. They were only inserted to visually separate the individual text passages from one another.

Line 143:
Cell B143 with the content of 'Can I make a reservation for KLM Flight 320 on October 1st?' is treated on the CASIO device as an intermediate heading because an exterior line was assigned to the cell around the box. Intermediate headings are moved further on the left-hand edge of the display on the CASIO

device than the content of the rest of the chapter. They are shown on the CASIO device without a box line. Beyond this, this intermediate heading appears in bold print on the CASIO device because it was formatted in bold print in the Excel table it is based upon.

Note
The inputs in column B are assigned to a chapter until you define a new chapter in column A. The content of column B is assigned to a new chapter from the line where the new chapters begins.

The chapter of "Booking a Flight" is shown in the following fashion on the CASIO device after the Excel file is converted:

After explaining how the chapter of "Booking a Flight" was set up, it will now be shown how the appropriate pop-up topics were created using the example of the pop-up topic "Airport code". You will also find this pop-up topic in the Excel table **"E-S Travel-Conv"**. The graphic below is restricted to lines 349 – 357 because it is possible to explain everything that is important when creating a pop-up topic using these lines.

	A	B	C
349	###LINK		
350	**Airport code**	AKL	
351		Auckland	
352		AMS	
353		Amsterdam	
354		ARN	
355		Stockholm	
356		ATH	
357		Athens	

Line 349:
Topics are recognized as pop-up topics if they are initiated by '###LINK'. '###LINK' separates the chapters from the pop-up topics. The beginning of the pop-up topic list is marked in cell A349 with '###LINK'. The expression '###LINK' is only used once in the Excel table, namely to initiate the pop-up topic list, and it is always in front of the first pop-up topic of this list.

Line 350 ff.:

Pop-up topics are defined in column A of the Excel table. You establish the content of the pop-up topics in column B. The pop-up topic for "Airport code" was defined in cell A350. This pop-up title was formatted in bold print in the Excel table to emphasise "Airport code" on the CASIO device. The content of the pop-up topic begins in cell B350. Although you may also insert intermediate headings and bitmap images in pop-up topics, it was decided to forego this with "Airport code".


Note

The Easy Referencer Tool demands that the pop-up topics in the Excel table is listed after the chapters. This means that pop-up topics are always at the end of your Excel table. The inputs in column B are assigned to a pop-up topic until you define a new pop-up topic in column A.

This is what the pop-up topic "Airport code" looks like in your CASIO device:
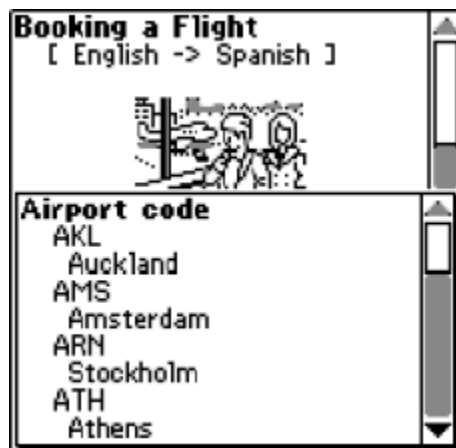
The individual chapters are the content directory of your database. Opening a Referencer file on your CASIO device lists the chapters contained there. Pop-up topics are not listed in this content directory because they are not independent chapters.

This is what a chapter list in your CASIO device looks like:
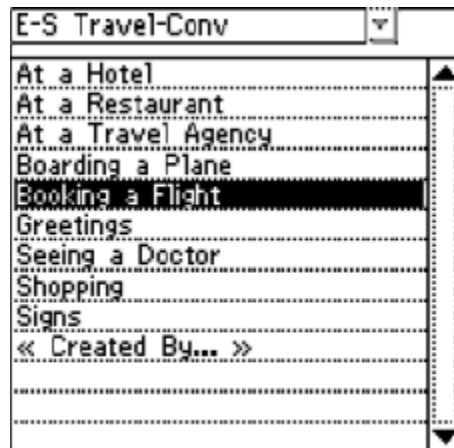
You have learned the following using the chapter on "Booking a Flight":

- Defining a chapter.
- Assigning a chapter a certain content.
- Inserting a bitmap image.
- Generating intermediate headings.
- Emphasising text passages.
- Laying out the content of the chapter in a clearly structured fashion.
- Defining a jump that allows you to jump back and forth between individual chapters in the Referencer file.
- Integrating a pop-up topic into a chapter.
- Establishing the content of a pop-up topic.
- Recording a pop-up topic in the list of pop-up topics.

5.1.2 The Chapter "«Created By...»"

The chapter "«Created By...»" extends over lines 337 – 348 in the Excel table **"E-S Travel Conv"**.

	A	B	C
337	«Created By...»	**ES Travel Conversation**	
338			
339		CASIO COMPUTER CO.,LTD	
340		Consumer Products Division	
341		**Hamura R & D Center**	
342			
343		Copyright ©2000	
344			
345		R006.BMP	
346			
347		*the person in charge*	
348			

Line 343:
The entry 'Copyright ©2000' in cell B343 was assigned the font colour blue. This format has the effect of showing this text passage in a non-proportional font on your CASIO device. Apart from character formatting for **'bold print'**, assigning a non-proportional font is the second possibility to contrast certain words or text passages from the rest of the content of the chapter. You are already familiar with the rest of the formats of the chapter "«Created By...»" and what they look like on the CASIO device .

> **Note**
> Since "the person in charge" is **one** pop-up topic, not only the individual words, but also the spaces in-between are formatted in italics.

It is necessary to explicitly mark the end of your Excel table so that the Easy Referencer Tool recognizes the end of the Excel file to be converted. The expression '###END' indicates the end of the Excel table to the Easy Referencer Tool.

	A	B	C
474	**the person in charge**	**Leader**	
475		H.Katoh	
476		**Specification**	
477		T.Tanaka	
478		**Checker**	
479		Y.Honda	
480		**Demo**	
481		M.Ogawa	
482		**System Engineer**	
483		T.Takeguchi	
484		T.Mochiduki	
485		**Programer**	
486		S.Suzuki	
487	###END		
488	###VER0123		

Line 487:
In the example, '###END' was inserted behind the pop-up topic "the person in charge" defined last. When you define pop-up topics in an Excel file, list

'###END' after the last pop-up topic as in the example. In contrast, if you forego pop-up topics, insert '###END' after the last chapter.

Line 488:
The Referencer file to be generated was assigned version number 1.23 in this line. You will find the corresponding entry '###VER0123' in cell A488.

You learned the following using the chapter "«Created By...»":
- Assigning a non-proportional font to a word or a text passage.

- Marking the end of your Excel table.

- Assigning a version number to the Referencer file to be generated.

5.1.3 All Rules for Formatting at a Glance

After all of the formatting rules for creating a Referencer file have been explained in detail, you will now find a short survey of the individual formatting again:
- A chapter is defined in column A and the corresponding content is defined in column B of the Excel table.

- You define a jump by assigning the corresponding text passage underlining once.

- In order to insert a pop-up topic into a chapter, you format the corresponding text in italics.

- In order to insert a bitmap image, you format the file name of the bitmap image in red.

- You generate an intermediate heading when you assign an exterior line around the box to the corresponding text passage.

- Format the text that you would like to emphasize in bold print.

- You assign a non-proportional font to text formatted in blue.

- The list of the pop-up topics is initiated with '###LINK'.

- A pop-up topic is defined in column A and the corresponding content is defined in column B of the Excel table.

- You identify the end of your Excel table with '###END'.

- You assign a version number to the Referencer file to be generated with the expression '###VER****', whereby the asterisks are substitute symbols for the specific numbers of the desired version number.

5.1.4 Frequently Asked Questions

In this section, you will find answers to frequently asked questions on using formatting to create a Referencer file with the Easy Referencer Tool:

Question: I defined a chapter "Booking a Flight". May I also define a pop-up topic with the same title?

Answer: Yes, this is possible. Easy Referencer Tool distinguishes chapters and pop-ups.

Question: In one cell, I have entered two pop-up topics "Airline code" and "Airport code". Both pop-up topics are defined in column A. During data conversion, though, I get an error message that the cell contains an invalid cross-reference.

Answer: Please note that you need to separate multiple pop-up topics by spaces which are not formatted in italics. If you use spaces that are formatted in italics the Easy Referencer Tool will regard both pop-up topics as a single cross-reference "Airline code Airport code".

Question: May I define the background of the cells in column A and B in another colour?

Answer: Yes: Cell formatting that is not necessary for the creation of a database will be ignored.

Question: Is it possible to assign chapters continuous numbers? I have called my chapters "1", "2" and "3" etc. and I get an error message that the content is not formatted as text.

Answer: Assign the **'text'**-category to the corresponding cells in column A and B. You may find further information on this in the Excel help. If you use the **'text'**-category you can assign continuous numbers to your chapters because in this case, numbers are treated as text.

Question: I have entered an intermediate heading by assigning a border to a cell in column B. Still, the intermediate heading is not displayed as such on the CASIO device.

Answer: Please check whether you have used a "thin" border. The Easy Referencer Tool regards a cell only as an intermediate heading if a "medium" or "thick" border is used.

5.2 Conversion

After you have defined the content of the later Referencer file in the Excel table, you may convert the Excel file into a Referencer file. Proceed in the following fashion:

1. Open the **'Referencer Tool'** menu in Microsoft Excel.
2. Select the **'Convert…'** item on the menu, which opens the following dialog window:
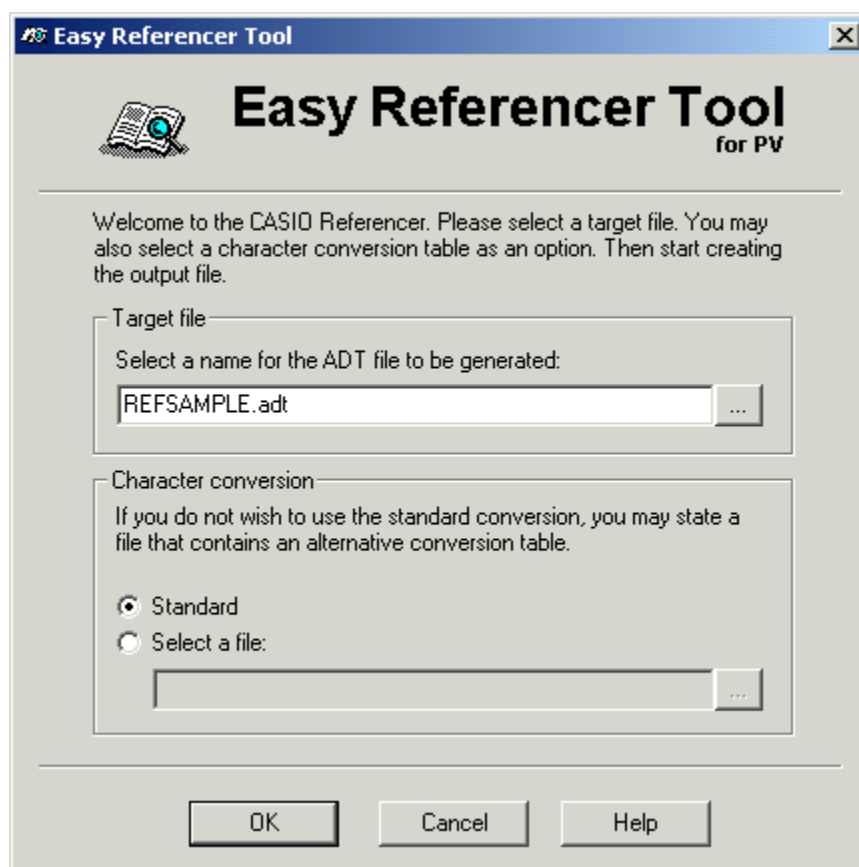
3. Select **'Standard'** in the dialog window **'Easy Referencer Tool'** with **'Character conversion'** to access standard conversion. Give the Referencer file to be generated any name and enter it in **'Target file'**. The file ending ".adt" is characteristic for the Referencer file. Confirm your decision with **[OK]** and conversion is started.
   You may also open a file selection dialog by clicking button **[...]** where you may also establish the file name. Confirm your selection with **[Save]** to return to the dialog window shown above. Then confirm the button **[OK]** to start conversion.

5.3 Transferring to the CASIO Device

The Easy Referencer Tool provides the necessary equipment to ensure that the data is successfully transferred to the CASIO device. The "PV Applications Manager" (PVM) does the actual transfer. You may find further information on this in the PVM documentation.