

User's Guide

Pocket Sheet Sync

for Microsoft® Excel 97/2000/2002
Version 2.0

CASIO®

Copyright note

Copyright © 2000-2002 CASIO COMPUTER CO., LTD. All rights reserved.

Copyright © 2000-2002 Yellow Computing Computersysteme GmbH. All rights reserved.

No part of this publication may be copied, duplicated, transmitted, modified, stored in a data processing or retrieval system or translated into a computer language or natural language in any form whatsoever without written prior permission from CASIO COMPUTER CO., LTD. and Yellow Computing Computersysteme GmbH.

Important

We urgently advise making several copies of all your important data, preferably also hardcopies, and to store these in different places. Under certain conditions it is possible for data to be lost or modified in virtually any cable and on virtually any electronic storage medium.

CASIO COMPUTER CO., LTD. and Yellow Computing Computersysteme GmbH accept no liability for loss or damage arising from errors or mistakes in these Operating Instructions, a defective interface cradle or any of the data media supplied by us, except for liability under the legally stipulated warranty conditions.

We reserve the right to make changes to hard and software without prior announcement.

CASIO COMPUTER CO., LTD. and Yellow Computing Computersysteme GmbH provide no warranty that this product will run perfectly on computers or system configurations other than those expressly detailed in this publication. This also applies to emulations of all kinds.

The names and details used in the examples are purely fictitious.

- Microsoft is a registered trademark of Microsoft Corporation.
- Windows and Windows NT are registered trademarks of Microsoft Corporation.
- Excel is a registered trademark of Microsoft Corporation.
- All other company and product names are trademarks of their respective companies.
- We reserve the right to make changes to these Operating Instructions without prior announcement.
- CASIO COMPUTER CO., LTD. and Yellow Computing Computersysteme GmbH accept no liability for any loss or damage arising from the use of these Operating Instructions.
- CASIO COMPUTER CO., LTD. and Yellow Computing Computersysteme GmbH accept no liability for any third-party loss or claims, arising from the use of Pocket Sheet Sync for Microsoft® Excel 97/2000/2002.

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.

Table of Contents

1. General	4
1.1 Introduction	4
1.2 List of symbols	4
1.3 Minimum system requirements	4
1.4 Supported CASIO models	4
2. Connecting the PV-S1600 to your PC	5
3. Working with Pocket Sheet Sync	9
3.1 Installing the program to a PC	9
3.2 Starting the program	9
3.3 Synchronization settings	11
3.4 Start synchronization	17
4. Add-in for Microsoft Excel	18
5. Quick access through the taskbar	19
6. Frequently Asked Questions	20
6.1 Installation	20
6.2 Links	20
6.3 Synchronization	21

Section 1 - General

1.1 Introduction

Pocket Sheet Sync supports the synchronization of sheets between the CASIO PV Unit (PV) and Microsoft Excel 97, 2000 and 2002.

The documentation of Pocket Sheet Sync consists of the Operating Instructions and the Help system. The Operating Instructions provide an introduction to the basic functions of Pocket Sheet Sync.

To find out how to connect the CASIO PV Unit (PV) to your PC, consult the manual *PC sync for Windows*, for the operation of your CASIO PV consult the relevant operating manual.

1.2 List of symbols

Note the following conventions we have used in these Operating Instructions:

- [] Button in Pocket Sheet Sync
- < > Key or combination of keys on your PC, e.g. <Alt D> <N> means: press <Alt> and <D> at the same time, followed by <N>.
- " " File names on hard or floppy disk.
- ' ' Menu or menu item that can be selected on your PC.

1.3 Minimum system requirements

To run Pocket Sheet Sync you will need the following system configuration:

Operating system	RAM	Processor
Windows XP Home Edition/Professional	64MB	Pentium 233MHz
Windows Me	32MB	Pentium 150MHz
Windows 2000 Professional	64MB	Pentium 150MHz
Windows 98/98 Second Edition	24MB	Pentium 150MHz
Windows 95	16MB	Pentium 75MHz
Windows NT Workstation 4.0 (Service Pack 3 or later)	32MB	Pentium 150MHz

Further requirements

- Microsoft Excel 97/2000/2002
- CD-ROM drive for software installation
- USB or 9pin COM Port (serial port)

Note:

Proper operation using the USB cable is not guaranteed on a computer that has been upgraded from Windows 95. Also, proper operation is not guaranteed for all computers that satisfy the specified system requirements.

When performing serial data communication using a computer's 9-pin COM Port, it is your responsibility to provide the required serial cable (SB-305).

1.4 Supported CASIO models

Pocket Sheet Sync 2.0 only supports the PV-S1600. If you have previously worked with a different PV Unit, follow these Steps to transfer your data to Pocket Sheet Sync 2.0:

1. Synchronize your old PV Unit with a previous version of Pocket Sheet Sync 2.0 which is compatible with your PV Unit
2. Update your version of Pocket Sheet Sync to version 2.0
3. Synchronize Pocket Sheet Sync 2.0 with your new PV Unit

Section 2 - Connecting the PV-S1600 to your PC


To find out how to operate the PV Unit, consult the User's Guide for the PV Unit.

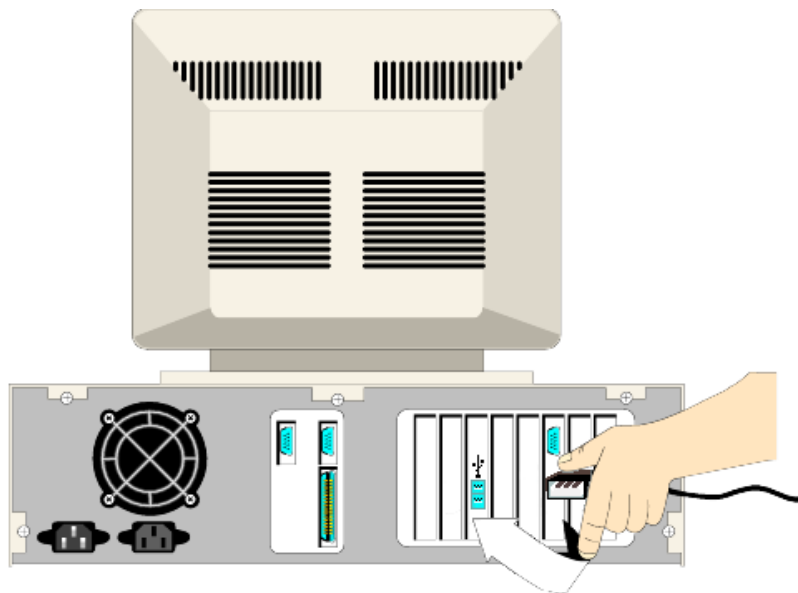
Important!

Be sure to turn off the power of both your PV Unit and computer before connecting them. Failure to do so can result in damage to the PV Unit, your computer, or the cable.

To connect the PV Unit to your PC, you can connect it either to a USB port or to a serial port.

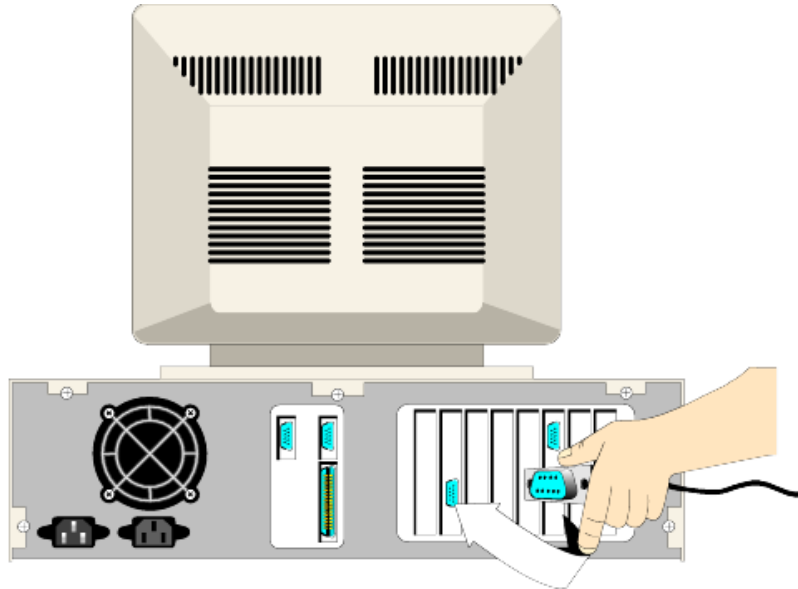
1. USB

Insert the cable of the PV Unit into the USB port. The USB is marked with the symbol  and / or with the abbreviation "USB".



2. Serial port

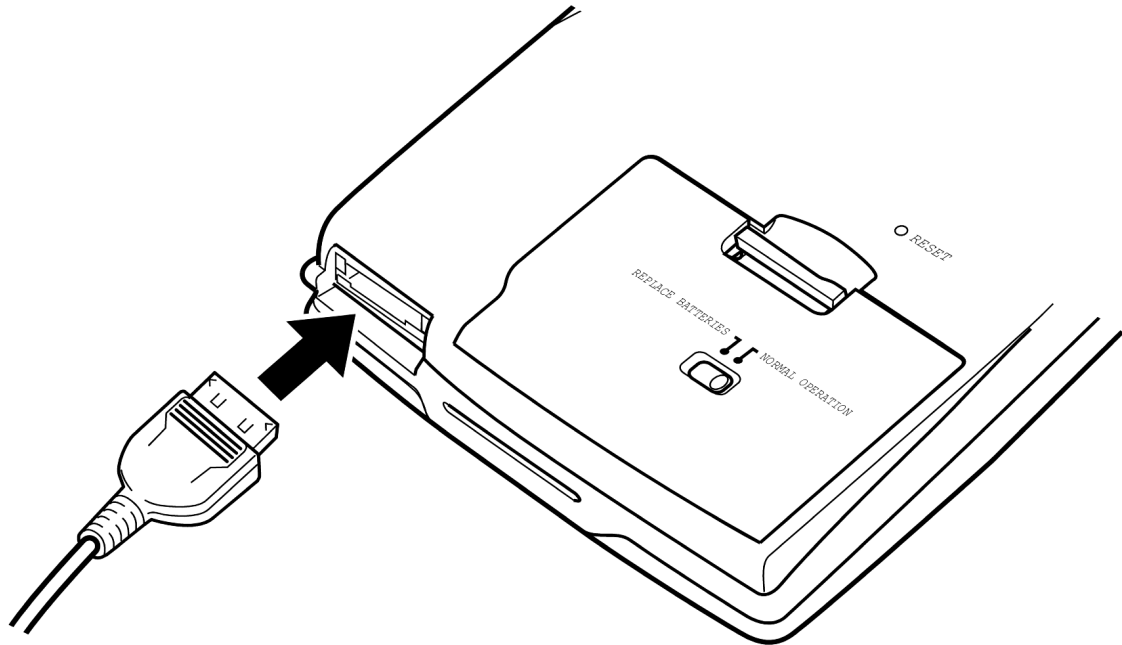
Plug the connector at the end of the cable into your computer's serial port (RS-232C). The serial port is normally labeled COM1, COM2, COM3, or COM4. If the serial port on your computer does not match the cable's connector, you need to purchase an adaptor. See the documentation that comes with your computer for details.



PV-S1600

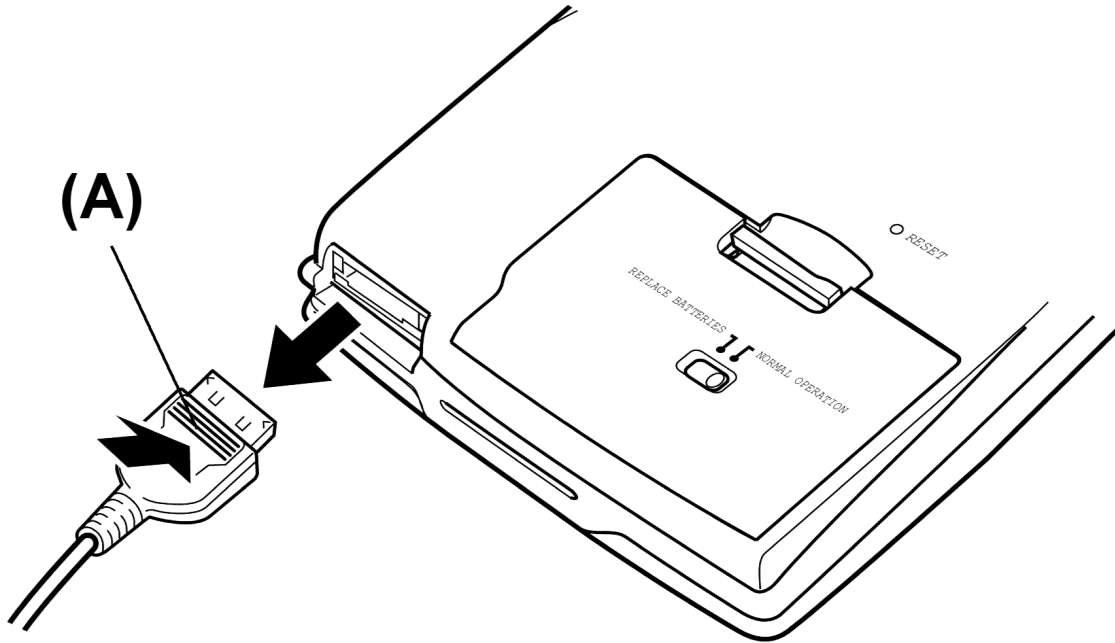
To connect the cable to the PV Unit:

1. Turn off PV Unit power.
2. Plug the cable into the cable connector at the bottom of the PV Unit as shown below.



To disconnect the cable from the PV Unit

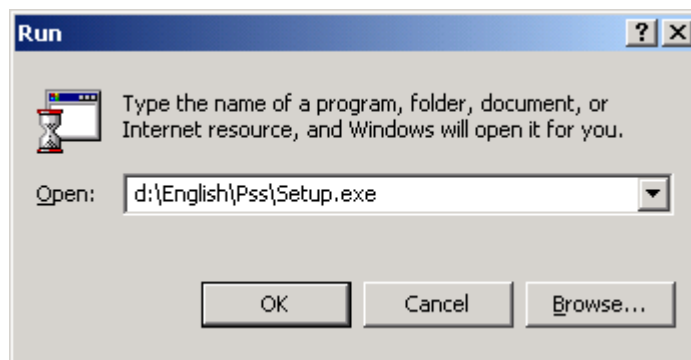
1. Turn off PV Unit power.
2. While pressing the release button indicated by (A) in the illustration below, disconnect the cable.



Section 3 - Working with Pocket Sheet Sync

3.1 Installing the program to a PC

Run Windows and insert the CD into the CD-ROM drive. Go to the "Start" menu and select "Run". Enter "d:\English\Pss\Setup.exe" into the dialog window that is presented and click **[OK]**.



If your CD-ROM drive has a different drive letter, enter this letter instead of "d". If the installation program cannot be found at this location, please enter "d:\Pss\Setup.exe" or click **[Browse...]** to locate "\Pss\Setup.exe" manually on the CD-ROM.

If the installation program is not on a CD-ROM, but on some other data medium, enter the complete path required for running the installation program (e.g. "c:\download\setup.exe").

Follow the screen prompts presented by the installation program.

Please note:

The installation of Pocket Sheet Sync includes setting up a new menu titled '**Casio**' in Microsoft Excel. However, you can prevent this from happening by turning off the control box which is presented during installation (see Section 4 – Add-in for Microsoft Excel). You can also decide whether or not to install fast synchronization access in the Task bar (see Section 5 – Quick access through the Task bar).

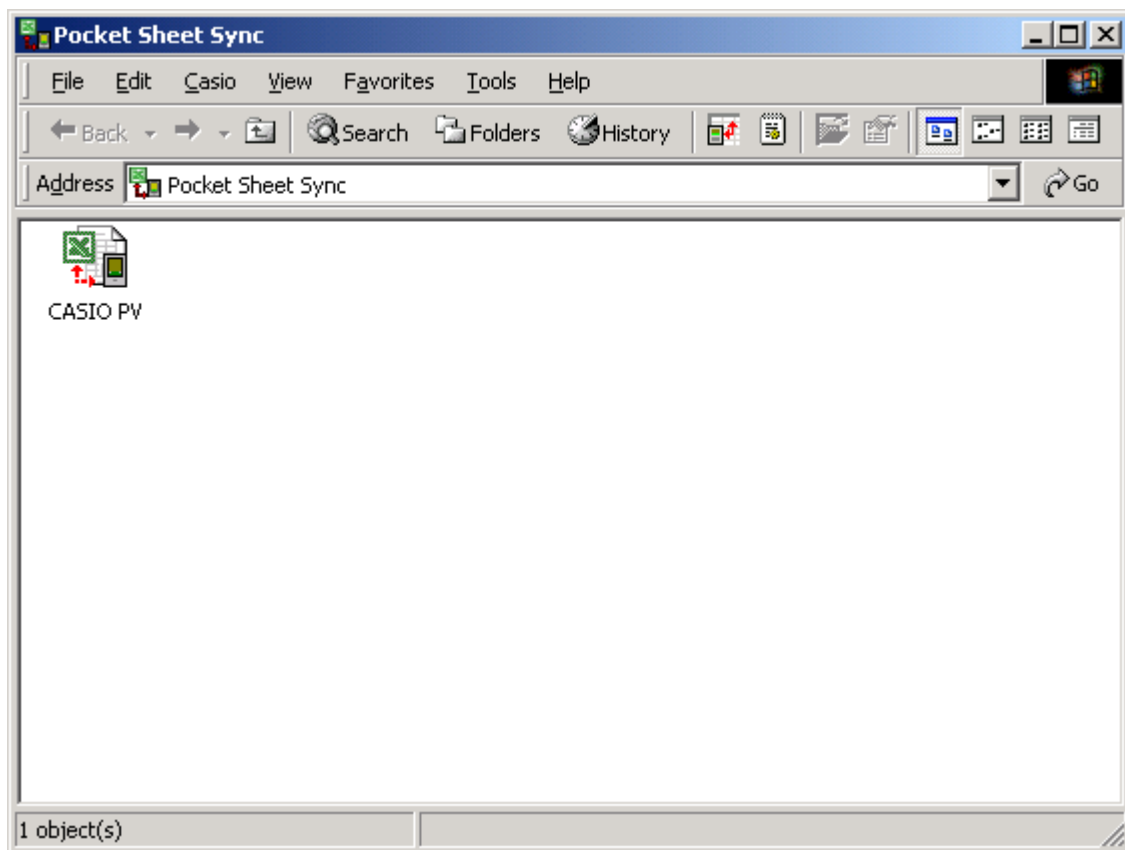
3.2 Starting the program

When the installation has been successfully concluded, the Pocket Sheet Sync icon is presented on the desktop. Double-click on this icon to open the Pocket Sheet Sync window. Pocket Sheet Sync is integrated into Windows Explorer and is operated in the same way.

So far, no links are available, and the Pocket Sheet Sync window is empty.

You can access the functions of Pocket Sheet Sync in the usual way via the menu bar or through the icons on the toolbar. Below the toolbar you will find a window, showing the synchronization links you have created.

You can now create a synchronization link between an Excel file and a PV file. Select the relevant Excel file on your computer and drag it into the Pocket Sheet Sync window with the mouse. This action creates a link, bearing the name of your Excel file.

**Important:**

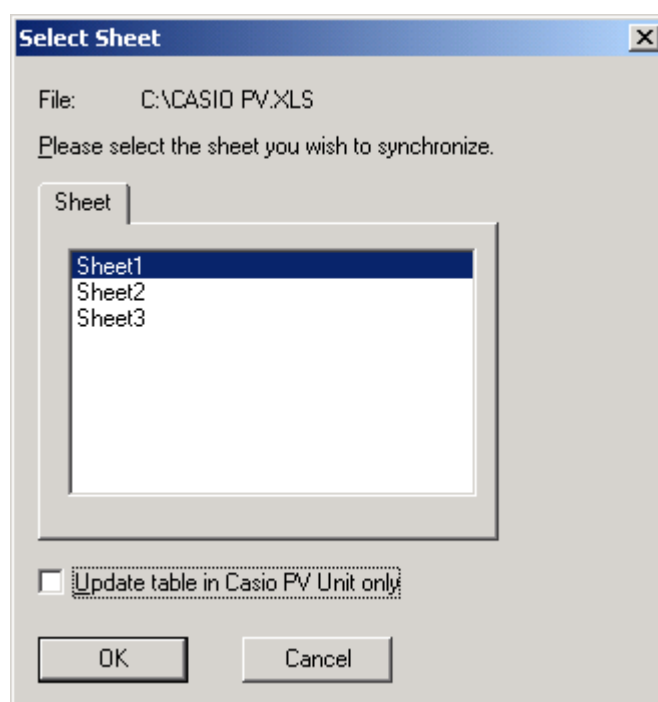
The name of a link in Pocket Sheet Sync must be no more than 32 character in length. Moreover, Pocket Sheet Sync only supports characters that can also be used on the PV.

You can drag not only Excel files into the Pocket Sheet Sync window, but also links to Excel files.

By copying several Excel files to the link window at the same time, you can create several links.

When you have created a link, make sure you set the synchronization options between Excel and PV files.

The PV Unit can manage no more than one sheet per file. As an Excel file can contain *several* sheets, you need to specify which sheet is to be synchronized with the PV Unit file. A dialog window is presented, prompting you to select the desired sheet.



You can also specify whether a table should be synchronized completely or only in PV Unit. If you opt for full synchronization, changes are transferred from Microsoft Excel to PV Unit and vice versa. This option is the default.

If, on the other hand, you select the option **[Update Table in Casio PV Unit only]**, then the only changes that are sent to PV Unit will be changes made with Microsoft Excel. If changes have been made to this table in PV Unit, they are lost. Changes made in PV Unit are not sent to Microsoft Excel. Remember that once you have selected the option **[Update Table in Casio PV Unit only]**, you cannot disable it for a link.

If you use **[Update Table in Casio PV Unit only]**, Pocket Sheet Sync can adapt the table to the device much better when it sends it to PV Unit. If, for instance, cells in the table use Microsoft Excel functions that are not supported by PV Unit, then these cells can be replaced by the results of the calculated formulas. This is not possible with full synchronization.

You can tell from the link icon whether a link is fully synchronized or whether the option **[Update Table in Casio PV Unit only]** has been enabled.



Icon for links that are fully synchronized.



Icon if the option **[Update Table in Casio PV Unit only]** has been enabled

Links with the defined synchronization settings can also be deleted again. Note, however, that what you are deleting is mere a link in Pocket Sheet Sync, not the Excel file or the PV Unit file.

3.3 Synchronization settings

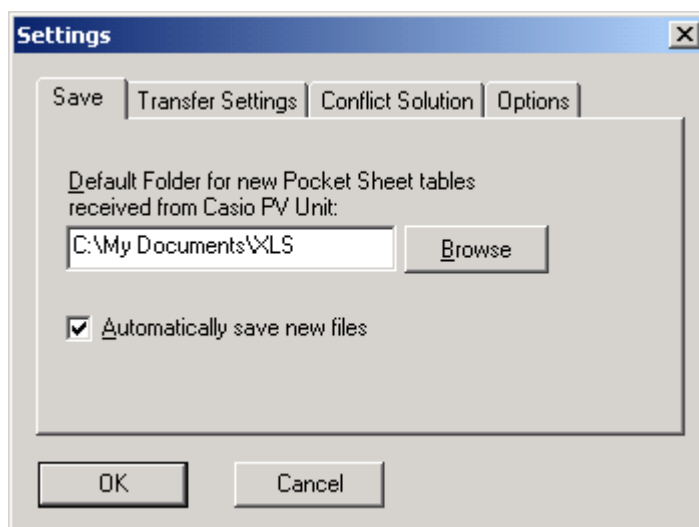
Before starting your first synchronization, we recommend making the required settings. Call up **'Settings'** from the **'Casio'** menu.

Important:

Any setting that are made through this command are carried out *automatically* at the synchronization stage, *without presenting further queries* to you.

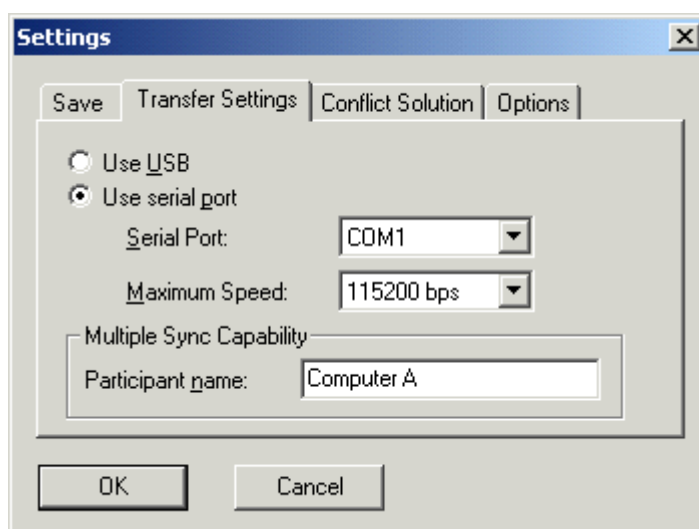
Save

Select the directory to which you want to save the PV files which have just been transferred to your PC. If the field **[Automatically save new files]** is ticked, new files are saved to the specified directory without presenting any further query. Otherwise you are asked to specify the desired directory for each new file.



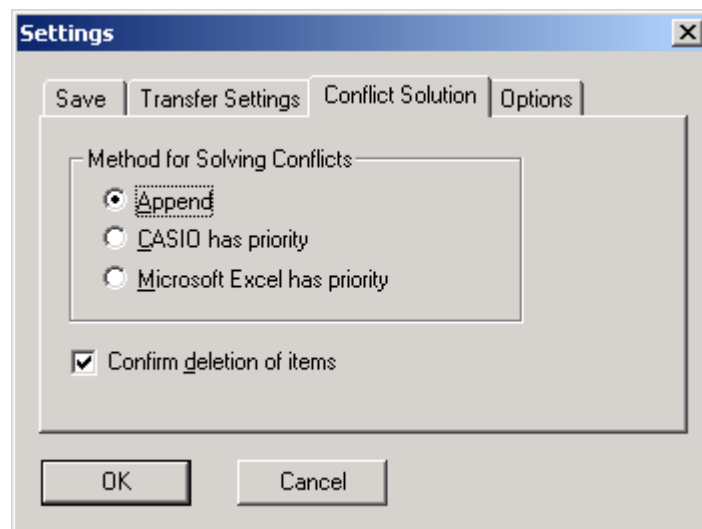
Transfer settings

Select this tab to specify the settings for transferring files between your PC and PV Unit. Select the port which the transmission cable is connected to. You can choose between **[Use USB]** and **[Use serial port]**. If you connect your PV unit to a serial port, choose the correct **[Serial Port]** from the list, e.g. **[COM1]**, and set the maximum speed of the transmission using **[Maximum Speed]**. The settings under **[Multiple Sync Capability]** will be explained in a later section.



Conflict solution

Select this tab to specify the method for solving conflicts that might occur between files and versions during synchronization. Such conflicts will occur whenever data has been changed on both sides between two synchronization runs or whenever data has been deleted on one side only.



Select **[Append]** if, in the event of a conflict, you wish to append the relevant files in the target device.

Select **[CASIO has priority]** if you want to give priority to the Pocket Sheet files from the PV, so that, in the event of a conflict, the corresponding Excel files on your PC will be replaced by the Pocket Sheet files from the PV.

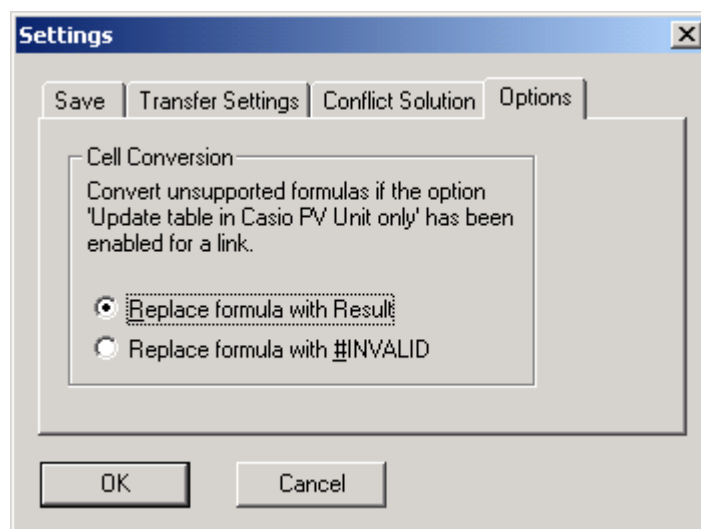
Select **[Microsoft Excel has priority]** if you want to give priority to the Excel files on your PC, so that, in the event of a conflict, the corresponding Pocket Sheet files on your PV will be replaced by the Excel files from the PC.

Select **[Confirm deletion of items]** if, after deleting a link or the associated Excel file, you only wish to delete the table in PV Unit upon presentation of a query. If this option has been enabled and a table has been deleted in PV Unit, a query is also presented before the deletion of links in Pocket Sheet Sync. Note that Excel files are never deleted by Pocket Sheet Sync.

Options

This dialog allows you to specify certain options for converting cell contents during synchronization. However, we recommend leaving the default settings unchanged.

If the option **[Update Table in Casio PV Unit only]** has been enabled for a link, then transmission means, among other things, that all cells with formulas not supported by the Casio are replaced as specified in the option in this dialog. If a formula is not supported by PV Unit and you want to replace the formula by its Microsoft Excel result, select **[Replace Formula with Result]**. As long as you do not change the table in PV Unit, it will be available to you in the same way as in Microsoft Excel. Alternatively, you may wish to enable the option **[Replace Formula with #INVALID]**, so that all invalid cells are marked in PV Unit and you can find them more easily – for instance, in order to edit them.



Multiple Sync Capability

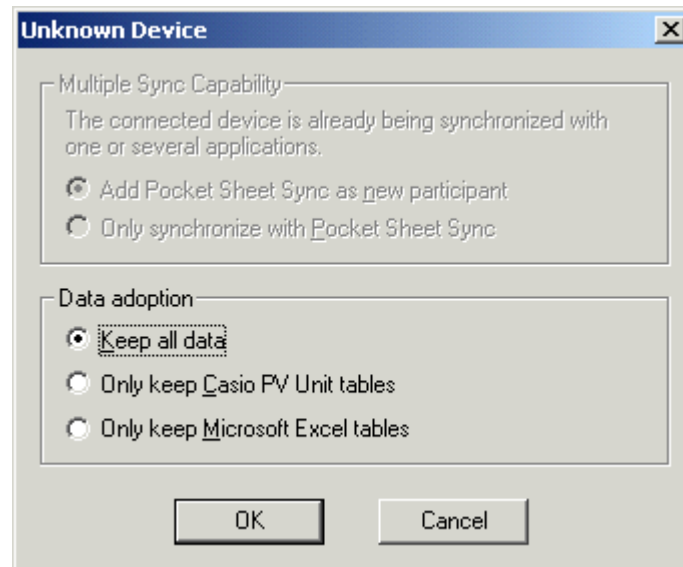
Multiple Sync Capability (MSC) lets you synchronize data on a PV Unit with several Pocket Sheet Sync programmes.

Changes within a data record are detected by all participating Pocket Sheet Sync programmes as part of MSC, regardless of whether a data record was changed directly on the PV Unit or in one of the applications.

In this way, MSC guarantees that all Pocket Sheet Sync programmes (synchronization participants) have identical data records. This guarantees in turn that you have access to the current data in each of your applications.

MSC lets you use several applications such as Pocket Sheet Sync, but also Acrosync, PC sync etc. on various computers for data synchronization with a PV Unit. For example, if you have Pocket Sheet Sync installed on both your computer in the office and your computer at home, you can proceed with data synchronization on both computers. MSC then considers each Pocket Sheet Sync program to be a separate synchronization participant.

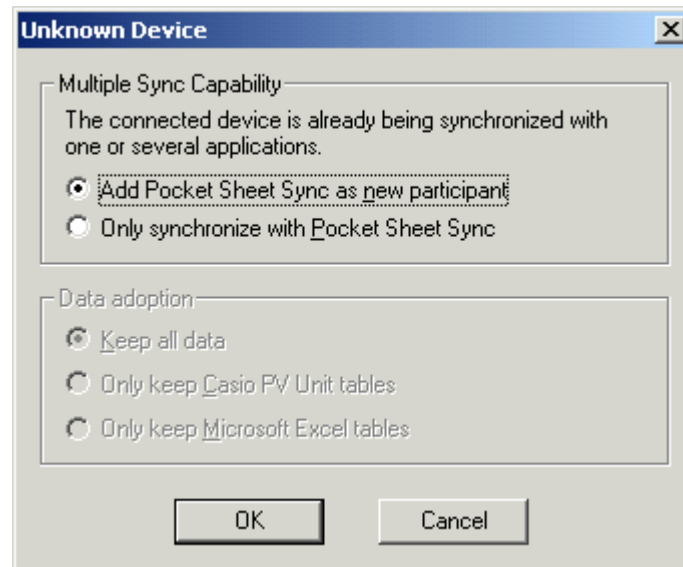
Settings relating to Multiple Sync Capability can be made in the "Unknown Device" box. This box appears when you synchronize Pocket Sheet Sync with your PV Unit for the first time (First synchronization). The active settings in this message depend on whether you synchronize just one installation of Pocket Sheet Sync or several applications with your PV Unit.

Case 1: You synchronize your PV Unit just with Pocket Sheet Sync

If you only synchronize your PV Unit with Pocket Sheet Sync, the **Multiple Sync Capability** part of the message is inactive and you cannot make any settings in it. If you synchronize your PV Unit just with Pocket Sheet Sync, instead Pocket Sheet Sync expects you to select the method for **Data adoption** because this is a case of first synchronization.

Select an option to stipulate which data are to be accepted during first synchronization:

- **Keep all data**
This setting is the standard setting in Pocket Sheet Sync. Both the data of your PV Unit and the data from Microsoft Excel are accepted for first synchronization. A copy is made of every data record for the other side. This method ensures that no data are lost.
- **Only keep Casio PV Unit tables**
With this option, only the data of the PV Unit are accepted. Copies are made of these data and sent to Microsoft Excel. The data in Microsoft Excel are deleted. Please note that the deleting of data cannot be reversed.
- **Only keep Microsoft Excel tables**
With this option, only the data from Microsoft Excel are accepted. Copies are made of these data and sent to the PV Unit. The data of the PV Unit are irrevocably deleted.

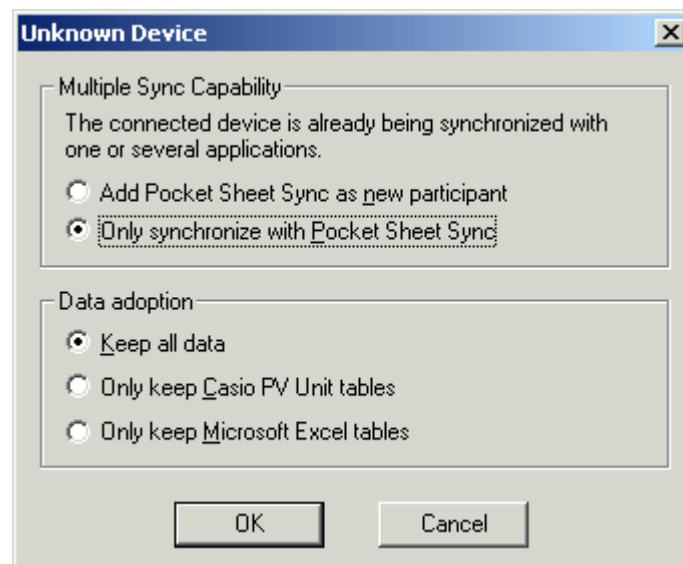
Case 2: You already synchronize your PV Unit with other applications

You synchronize your PV Unit with not just Pocket Sheet Sync so that the **Multiple Sync Capability** area is active.

The two possible settings for **Multiple Sync Capability** are explained below:

- The option **[Add Pocket Sheet Sync as new participant]** makes MSC recognize Pocket Sheet Sync as a further synchronization participant. If you select this option, the MSC function is active. This means that you can synchronize your PV Unit not only with this Pocket Sheet Sync programm, but also with all other programs which are MSC synchronization participants.
- The setting **[Only synchronize with Pocket Sheet Sync]** means that all previous synchronization users are removed and Pocket Sheet Sync is considered to be the only MSC synchronization participant. If you have chosen this option, you can still add other synchronization participants to MSC later.


If you decide for this option, first synchronization occurs and Pocket Sheet Sync expects you to select a method for data adoption. This is why the **Data adoption** part of the message then becomes active. For more information regarding the individual options, please refer to the explanations for case 1.

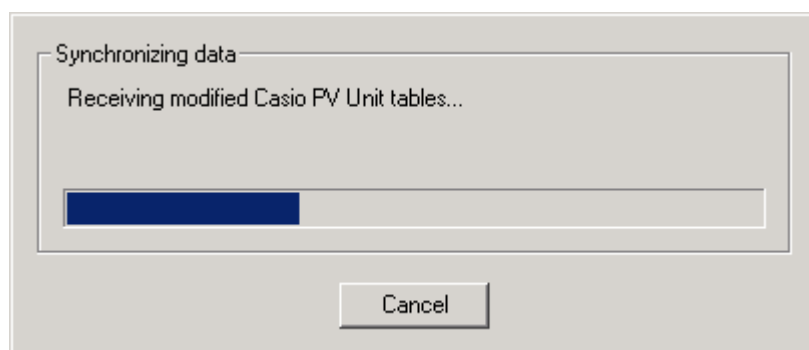


Please note:

On the "Transfer settings" tab, which is also described in chapter 3.3 "Synchronization settings", an entry under **[Participant name]** in **Multiple Sync Capability** is optional. Here you can designate a name for your computer, e.g. "Computer A".

3.4 Start synchronization

Start the synchronization using the '**Synchronize**' command from the '**Casio**' menu, using the Symbol  from the toolbar or using the '**Synchronize**' command from the context menu of the desktop icon. The context menu can be opened by clicking on the desktop icon with the right mouse button. Wait until Pocket Sheet Sync asks you to start the synchronization. You can do this using the **[Sync START]** icon in the icon bar under the screen of your PV Unit. A progress bar is presented during synchronization.



Section 4 - Add-in for Microsoft Excel

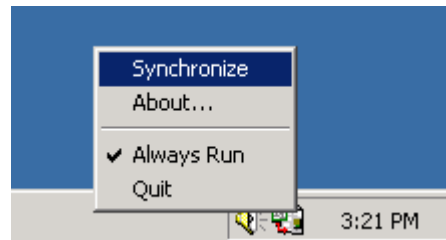
When you install Pocket Sheet Sync, a menu called '**Casio**' is inserted into Microsoft Excel, provided you have selected the relevant option. This menu enables you to set up a link with a PV Unit file directly from Microsoft Excel. Simply call up '**New Link**' from this menu. As soon as you then call up Pocket Sheet Sync from the Windows desktop, you will see the new link in the program window.

Please note:

Before you can create a new link, you need to have saved the Excel file at least once. Pocket Sheet Sync can only create a link if there is a file name.

Section 5 - Quick access through the taskbar

When Pocket Sheet Sync is installed, the installation routine also sets up quick access to synchronization with Pocket Sheet Sync through the taskbar, provided you have selected this option. A double click on the Pocket Sheet Sync icon automatically starts synchronization. This quick access facility will be loaded whenever you start Windows. However, you can also enable/disable this feature: all you need to do is right-click the Pocket Sheet Sync icon and select/deselect the option.



Section 6 - Frequently Asked Questions

6.1 Installation

Question: When I install Pocket Sheet Sync, it tells me that it needs administration rights. However, the program still seems to be working.

Answer: Some systems may require administration rights. If Pocket Sheet Sync appears to be working properly on your systems in spite of this message (i.e. you can open the program on the desktop), then installation has been successful.

Question: I have installed Pocket Sheet Sync, but I can't find it on the desktop.

Answer: After installation some systems may require you to click on some free space on the desktop and then press F5. Alternatively, you can restart your computer. Pocket Sheet Sync will definitely be on the desktop now.

Question: The screenshots of the Pocket Sheet Sync window in the manual differ from the ones on my computer.

Answer: As Pocket Sheet Sync is integrated into Microsoft Windows Explorer, the display may differ with the version of your operating system. On some systems the display is also affected by the installed version of Microsoft Internet Explorer. However, this does not influence the functions of Pocket Sheet Sync. You can use all the functions of the program, regardless of the operating system on your computer.

6.2 Links

Question: I have a Microsoft Excel file with several worksheets. However, whenever I try to set up a second link for a different worksheet in the same file, I get an error message.

Answer: Each Microsoft Excel file can be used for a link no more than once, regardless of the number of worksheets it contains. However, you can also change to the relevant worksheet after creating the link, by displaying the link properties.

Question: Whenever I create a new link with a Microsoft Excel file, the program presents a list of worksheets for me to select from.

Answer: Each Microsoft Excel file can contain more than one worksheet. Pocket Sheet Sync supports synchronization with one of these worksheets, which you can select. Simply click on the relevant worksheet with the mouse.

If you have not used any other worksheets in the Excel file or if you are not sure how to use worksheets, simply select the first worksheet. This is, in fact, the default setting.

Question: Why can't I turn off the option **[Update Table in Casio PV Unit only]** after I've enabled it?

Answer: Once this option has been enabled, Pocket Sheet Sync makes changes to the table for PV Unit. If these changes were included in a re-transmission to the Microsoft Excel table, they could lead to a considerable loss of data there. This is why the option cannot be disabled. To allow the full re-synchronization of a table anyway, simply delete the link in Pocket Sheet Sync and create a new one.

6.3 Synchronization

Question: Synchronization of tables with Pocket Sheet Sync isn't working.

Answer: You need to check the following points:

- Is the cable connected properly? Also make sure you have selected the correct port (see section 3.3, Synchronization Settings). Some systems do not work reliably with a high transfer rate. If this is the case, reduce the maximum transfer rate (see section 3.3, Synchronization Settings).
- To start synchronizing, go to Pocket Sheet Sync, '**Casio**' menu, and choose '**Synchronize**', or click on the relevant toolbar icon.
- Remember that in order to synchronize a Microsoft Excel table, you first need to drag the relevant file to the Pocket Sheet Sync window with the mouse. Alternatively, you can use the add-on for Microsoft Excel, provided it has been installed.
- Make sure the Microsoft Excel tables you wish to synchronize have not been opened by Excel or any other program while synchronization is in progress.
- Make sure your Casio PV Unit supports the Pocket Sheet area. Pocket Sheet Sync can only be used in combination with PV Unit models that allow this area. If your PV Unit has the Add-in area, you can also download Pocket Sheet from the internet and install it to PV Unit later. For further details, consult your PV Unit manual.

Question: What does Pocket Sheet Sync do if both the Microsoft Excel table and the PV Unit table were changed at the last synchronization and **[Append]** was selected as an option to solve conflicts.

Answer: In such a case both changes are kept, as the Microsoft Excel file is copied and a new PV Unit table is automatically linked to the copy. The changes in the modified PV Unit table are synchronized against the original Microsoft Excel table.

Pocket Sheet Sync creates a new name for the copy of the Microsoft Excel file by adding a digit to the original file name: "NAME", for instance, becomes "NAME1".

Question: What does Pocket Sheet Sync do if either the Microsoft Excel table or the PV Unit table was deleted during synchronization?

Answer: If either the one or the other of the two tables involved in synchronization is deleted, while the other one continues to exist, you have a synchronization conflict (see section 3.3, Synchronization Settings). Depending on your setting for **[Confirm deletion of items]**, Pocket Sheet Sync will delete the link or the PV Unit table either automatically or upon a query.

The same procedure applies if a link is not fully synchronized, in other words if the option **[Update Table in Casio PV Unit only]** has been selected.

Question: What changes can I make in a PV Unit table if the option **[Update Table in Casio PV Unit only]** has been selected for the link?

Answer: You can change the table in PV Unit any way you like. However, if you make a change in Microsoft Excel, then this leads to a table update in PV Unit next time you synchronize, and all the changes you have made there will be overwritten.

If you delete the table in PV Unit, then the link is removed from Pocket Sheet Sync. However, the Microsoft Excel file continues to be available.

Question: Some of the cells in my Microsoft Excel table are not sent to PV Unit.

Answer: Pocket Sheet Sync can only transmit cells from coordinates if they are supported by PV Unit. This includes cells A1 to Z999. Moreover, PV Unit only allows tables up to a certain size. Once the maximum table size has been reached upon conversion, Pocket Sheet Sync ignores all further cells from the Excel file. If the option **[Update Table in Casio PV Unit only]** has been disabled for a link and changes are made in

the PV Unit table, the cells previously not transmitted to PV Unit are deleted in the corresponding Excel table during the next synchronization.

Question: There are some cells from my Microsoft Excel table where the formatting in PV Unit does not match the original.

Answer: Pocket Sheet Sync can only send formatting information that is supported by PV Unit. If, therefore, a cell uses formatting that is not available in PV Unit, then it is either removed upon import or displayed slightly differently.

Question: Under what conditions does Pocket Sheet Sync regard a cell as "invalid" for PV Unit? What does Pocket Sheet Sync do in such a case?

Answer: Pocket Sheet Sync regards cells as invalid if they insert formulas that are not known by PV Unit, if they contain formulas longer than 256 characters or if they refer to cell ranges that are not supported by PV Unit because they would lead to error messages. If the option **[Update Table in Casio PV Unit only]** is enabled for a link, then cell contents are sent to PV Unit either as results of formulas or as error messages, depending on the option that has been set.

If the option **[Update Table in Casio PV Unit only]** has been disabled for a link, then invalid formulas are sent to PV Unit as they are. If a change is made in the PV Unit table and it becomes necessary to re-convert it to Excel, then Pocket Sheet Sync can restore the formula in Excel.

Question: Which functions used in formulas are accepted by Pocket Sheet Sync and are sent to PV Unit without any changes even if the option **[Update Table in Casio PV Unit only]** has been enabled?

Answer: Pocket Sheet Sync recognizes the following functions supported by the Casio PV Unit: ABS(), AVERAGE(), COUNT(), COUNTA(), EVEN(), INT(), MAX(), MIN(), MOD(), ODD(), ROUND(), SQRT() and SUM().

Question: Once synchronization has started, Pocket Sheet Sync takes a long time before it starts sending data to PV Unit.

Answer: The size of the table and the performance of your computer may affect the time it takes to convert data. This is because large amounts of Excel data need to be queried and converted.