

**Virginia Tech**  
**ECE/CS 4570: Wireless Networks and Mobile Systems**  
**Configuring the iPAQ<sup>1</sup>**

## 1. Introduction

The operating system for the iPAQ is Microsoft Pocket PC 2002 (which is based on Windows CE 3.0). The Microsoft Pocket PC operating system is an extension of the Microsoft Windows operating system family. The Microsoft ActiveSync application comes bundled with the iPAQ/Pocket PC and embeds itself into the desktop PC operating system. It can synchronize the calendar, contacts and tasks information as well as the Inbox e-mail messages, Microsoft Internet Explorer favorites, files (Microsoft Word documents and Excel spreadsheets, for example) as well as Microsoft Outlook notes.

## 2. Set up the Synchronization

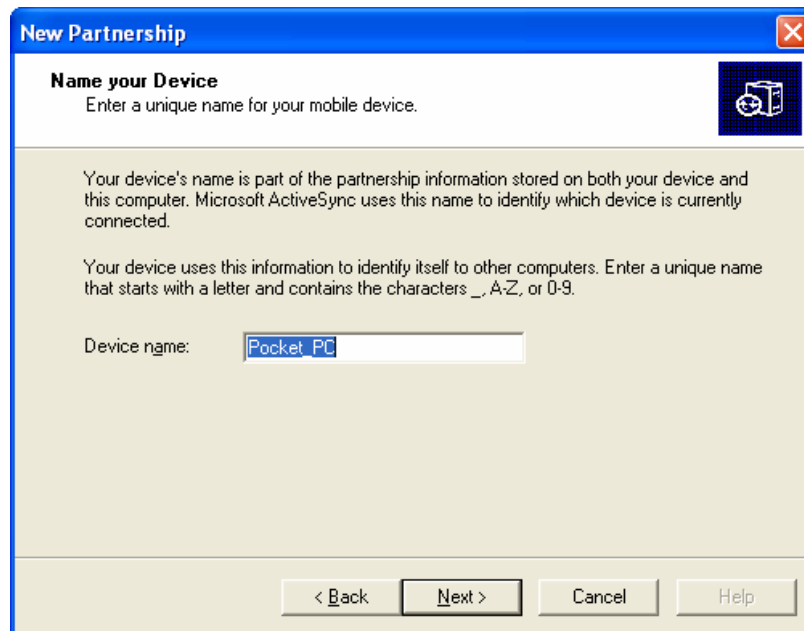
- Place the iPAQ on the cradle and connect the cradle to the USB port of the notebook. A window will pop up on your notebook screen and Microsoft Active Sync will establish a link with the iPAQ.
- Once the Pocket PC is located by the Microsoft ActiveSync 3.7.1 application the **Set Up a Partnership** screen will appear. You are given a choice as to whether to create a partnership between the Pocket PC and the Desktop PC or to connect as a Guest. The differences between the two connections are summarized below.

	Partnership	Guest
Synchronize with Microsoft Outlook	Yes	No
Install and remove applications	Yes	
Backup and Restore Data on the Desktop PC	Yes - As many different backups as you want	Yes - Just one backup allowed
Copy and delete files on the Pocket PC	Yes	

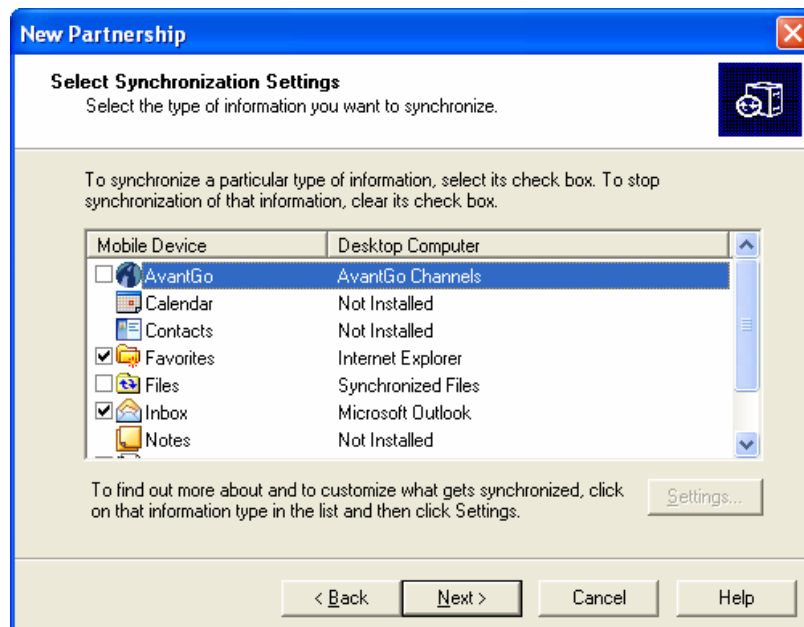


<sup>1</sup> Adapted from “Microsoft ActiveSync 3.7.1” by Chris De Herrera, 2003 (available at <http://www.cewindows.net/faqs/activesync3.7.1.htm>).

- Use the default setting (setup a partnership) and click **Next**.
- Name your Pocket PC (you will need to rename it if you have more than one device with the same name).



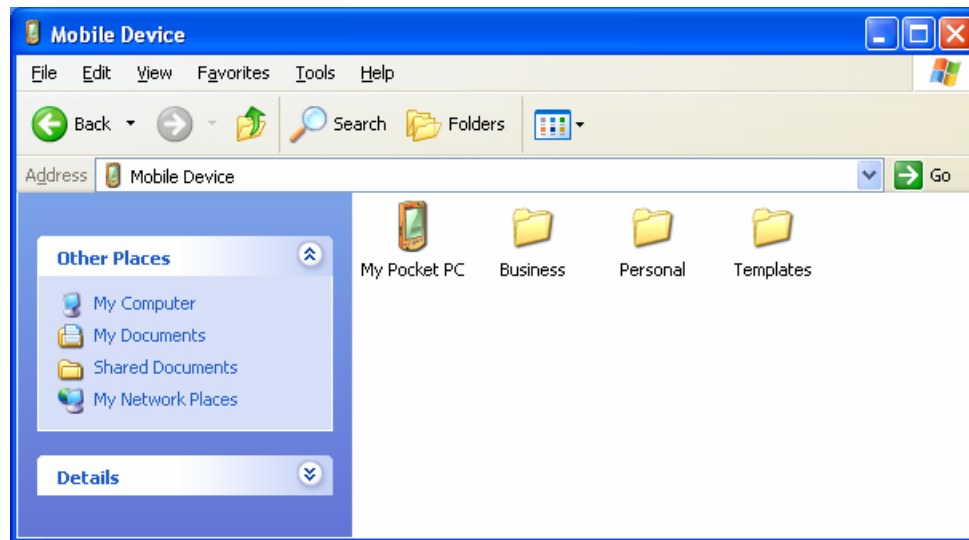
- Select the Synchronization Settings for a New Partnership. Since you do not need all of the items to be synchronized, uncheck all of the checkboxes. Otherwise, a warning message may appear during installation since Microsoft Outlook is not installed.



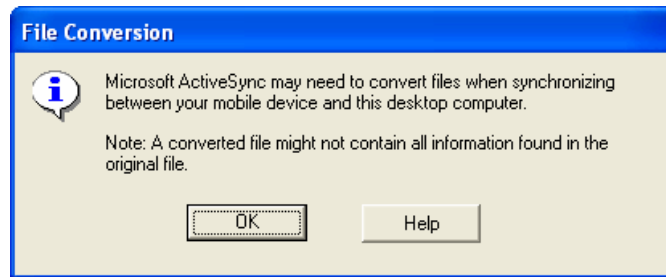
- Setup is complete.

### 3. Manually Transferring Files

- If your Pocket PC is connected to a desktop PC running the Microsoft ActiveSync 3.7.1 application you can manually transfer files to it without needing a partnership, although this works just as well if a partnership exists.
- The Microsoft ActiveSync 3.7.1 application has an Explore option that allows you to look around the connected Pocket PC as if it were another drive of your Desktop PC. To explore the contents of your Pocket PC click on the **Explore** button in the Microsoft ActiveSync 3.7.1 application after connecting your Pocket PC.

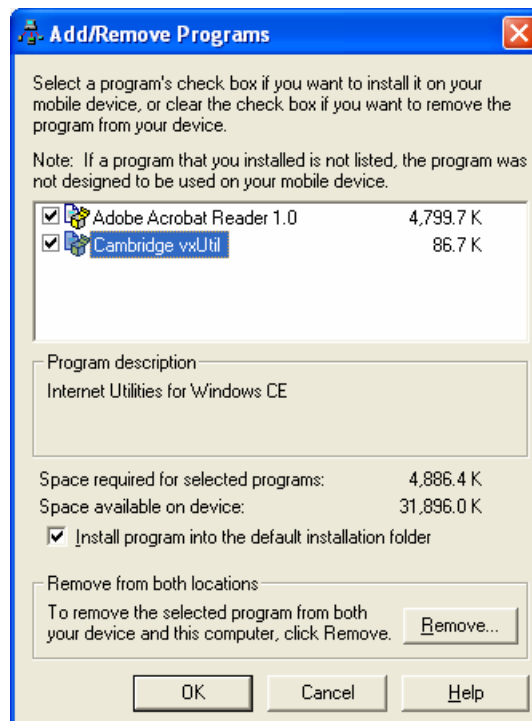


- The **Mobile Device** window shown above will now open. You can see it looks just like a desktop PC folder. On your desktop PC you have a **My Computer** folder while on the Pocket PC you have a **My Pocket PC** folder. The **Mobile Device** window automatically displays the contents of the Pocket PC's **My Documents** folder. The Pocket PC stores all its documents, spreadsheets and video and sound files in the **My Documents** folder. If you want to look at the inner workings of the Pocket PC then double click on the **My Pocket PC** icon. You will notice that it looks very similar to the inner workings of a desktop PC with a **Windows** folder, a **Temp** folder and a **Program Files** folder.
- To manually copy the file you want to the Pocket PC do the following: Open the **Mobile Device** folder by clicking on the **Explore** button in the Microsoft ActiveSync 3.7.1 application or by clicking on the **Mobile Device** icon in the **My Computer** folder on your Desktop PC.
- Now you can perform any of the following actions.
  - a) Locate the file you want to transfer and right click on it. A menu will appear. Left click on the **Copy** option. Now right click inside the **Mobile Device** window and a similar menu will appear. Left click on the **Paste** option.
  - b) Locate the file you want to transfer and press down the left mouse button on it without releasing the left mouse button. Now move the mouse pointer, without releasing the left mouse button, into the **Mobile Device** folder. Once the mouse pointer is inside the **Mobile Device** folder release the left mouse button.
  - c) The window below will appear warning that the file may be converted to another format before it is copied to the Pocket PC and this might change the file.



#### 4. Add/Remove Programs Installed on iPAQ/Pocket PC

Go to the menu Tools->Add/Remove programs. ActiveSync will retrieve programs data from connected Pocket PC and display the following screen:



This shows the programs currently installed on Pocket PC. (Some programs may not appear here. You can manually remove them as described above.) Uncheck the corresponding box if you want to uninstall the program or check the corresponding box if you want to install or keep the program on your iPAQ/Pocket PC.