

# Manual for MultiReader (AgroSoft PocketPigs)

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## Set up (Pocket/MultiReader)

### Requirements for the Pocket PC

The Pocket PC must be equipped with Bluetooth Widcomm, to be able to communicate with the MultiReader.

2002/ 2003 The procedure of installation depends on the type of Pocket PC – whether it is a version 2002 or 2003. You may be able to see it on the box the pocket PC came in when you bought it. Otherwise you can see it by means of the version number under **Start**- **Settings**- **System** and **About**.

Version 3.xx = 2002: Go to section 4. “Create connection to the MultiReader” page 11.

Version 4.xx = 2003: Continue below.

### Installation of Pocket 2003

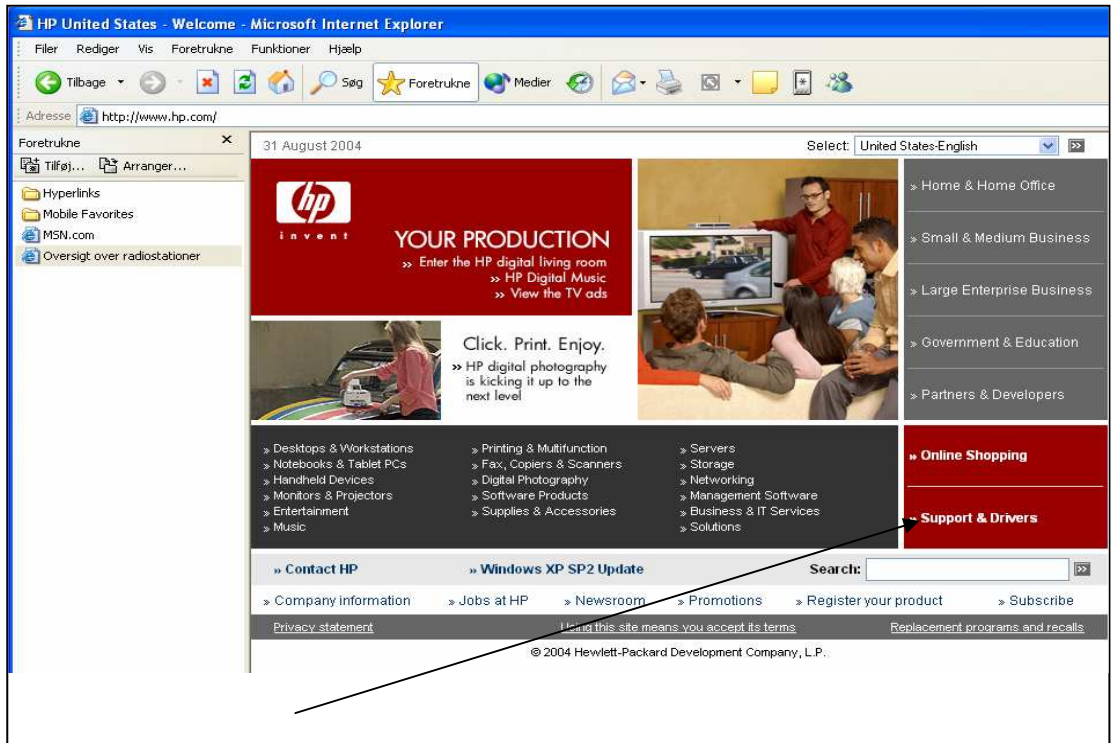
#### 1. Check the version

First you have to check which version of Bluetooth you have. The minimum requirement has to be version 1.4.1 Build 58. This can be seen on the Pocket PC under **Start**- **Settings**- choose the tab **System**- **Bluetooth**- then choose the option **About** (in the right side). If you have the correct version then go to section 3. “Installation of files to the MultiReader” page 8, if not continue below with section 2.

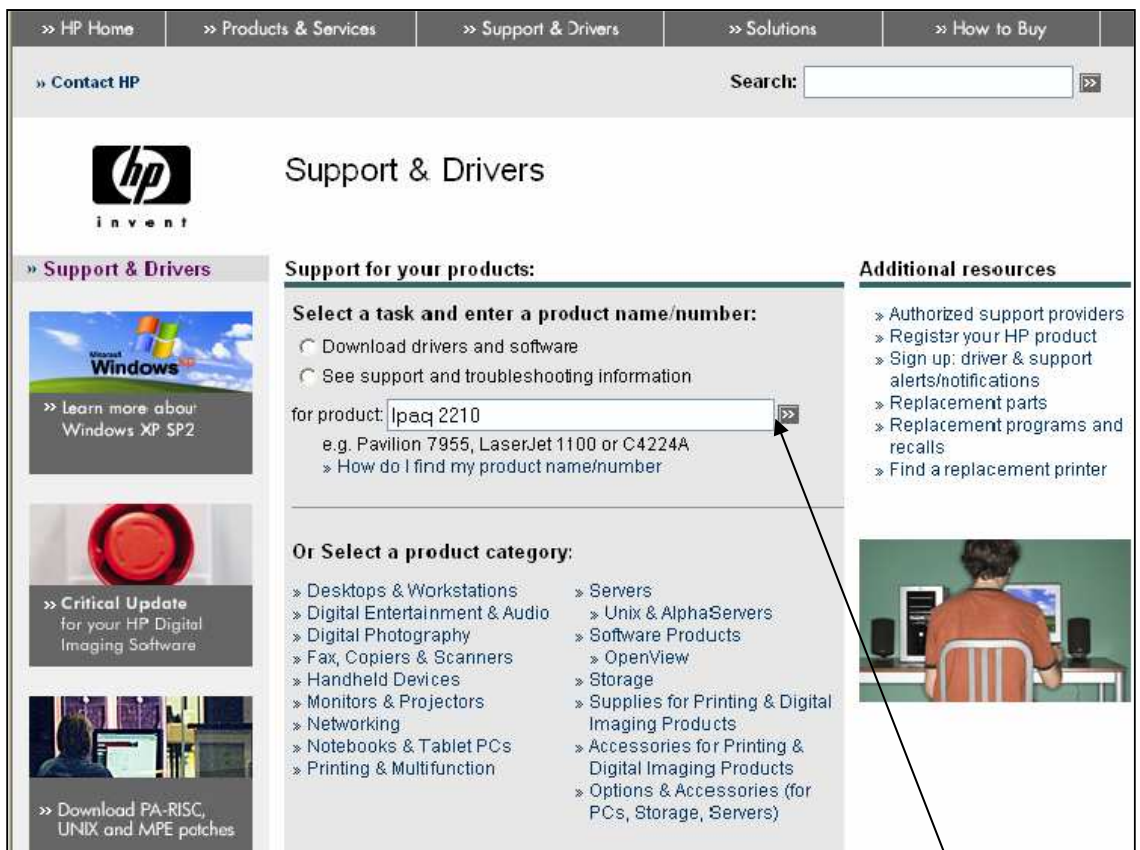
#### 2. Update the version of Bluetooth

The pocket PC needs to be updated with a newer version of Bluetooth. This can be done via the Internet. Go to the homepage of the company who made your pocket PC. In this manual is shown an example for a HP IPAQ 2210.

Go to the homepage of the product. In this case [www.hp.com](http://www.hp.com).



Choose "Support & Drivers".



Type in the type of pocket PC you have (for example Ipaq 2210). Then click on the arrows to search.

The screenshot shows the HP technical support page for the HP iPAQ Pocket PC h2210. The page has a blue navigation bar with links for 'hp home', 'products & services', 'support & drivers', 'solutions', and 'how to buy'. Below the navigation bar is a search bar and a 'contact hp' link. The main content area features the HP logo and the text 'technical support -HP iPAQ Pocket PC h2210'. On the left, there is a 'business support center' sidebar with various task options like 'download drivers and software' and 'troubleshoot a problem'. The main content area includes a 'my list of products' section with a dropdown menu to 'select a different product from my list'. Below this is a 'I would like to' section with links for 'download drivers and software', 'troubleshoot a problem', 'setup, install, and configure', 'discover and use a product', 'perform regular maintenance', and 'recycle and dispose'. To the right, there is a 'hot topics' section with links for 'troubleshooting active sync', 'using active sync', and 'troubleshooting bluetooth'. At the bottom right, there is a 'hp instant support chat with an hp support expert' button.

Choose "download drivers and software".

The screenshot shows the HP software and drivers page for the iPAQ Pocket PC h2200 Series. The page has a blue navigation bar with links for 'HP home', 'products & services', 'support & drivers', 'solutions', and 'how to buy'. Below the navigation bar is a search bar and a 'contact HP' link. The main content area features the HP logo and the text 'software and drivers'. On the left, there is a 'business support home' sidebar with various task options like 'download drivers and software' and 'troubleshoot a problem'. The main content area includes a 'select operating system' section with a link for 'Microsoft Pocket PC 2003'. An arrow points to this link. To the right, there is a 'subscribe to driver, software, and support alerts' checkbox.

Choose the operating system "Microsoft Pocket PC 2003"

<ul style="list-style-type: none"> <li>» help</li> <li>» site map</li> </ul>	Software - Solutions <span style="float: right;">» top of page</span>		
	<b>name</b>	<b>current version</b>	<b>previous version</b>
	HP iPAQ h2200 Series Self Test Application	» 1.00 4 Sep 03	
	iPAQ Pocket PC 2003 Spanish DNS Editor	» 1.00 17 Oct 03	
	Pocket PC 2003 Terminal Services Client Reconnect Workaround	» 1.00 17 Mar 04	
	Software - System Management <span style="float: right;">» top of page</span>		
	<b>name</b>	<b>current version</b>	<b>previous version</b>
	HP iPAQ Pocket PC 2003 Bluetooth Driver Update	» 1.4.1.58 4 Nov 03	
	HP iPAQ Pocket PC h2200 Series Bluetooth Manager Update	» 1.0 1 Oct 03	
	HP iPAQ Pocket PC h2200 Series SDIO Driver Update	» 1.0 8 Apr 04	

Choose "Bluetooth Driver Update version 1.4.1.58"

» HP home
» products & services
» support & drivers
» solutions
» how to buy

» contact HP
search:

Support  all of HP US

## software and drivers

✓ [subscribe to driver, software, and support alerts](#)

» business support home

**tasks**

- » download drivers and software
- » troubleshoot a problem
- » setup, install and configure
- » discover and use a product

**HP iPAQ Pocket PC 2003 Bluetooth Driver Update**  
 version 1.4.1.58 (4 Nov 03)  
[» revision history](#)

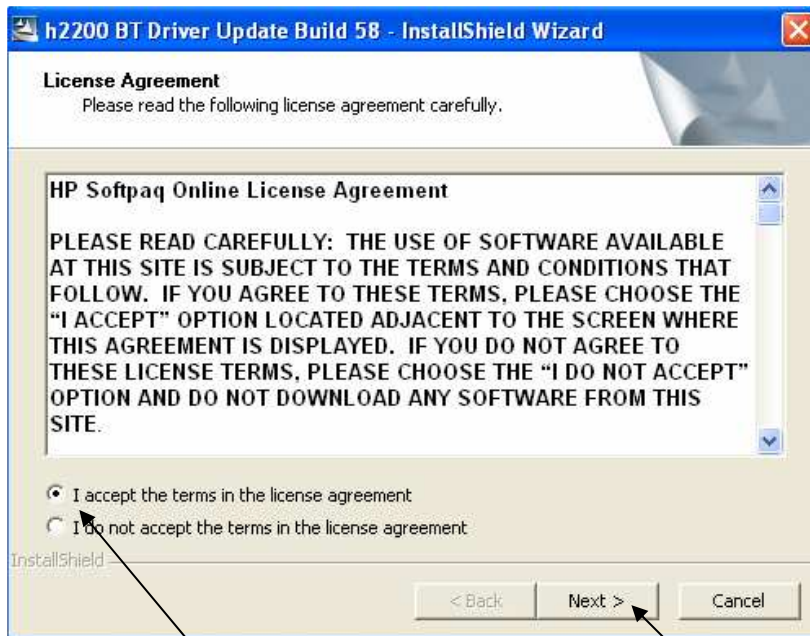
English (US) (SP25548.exe - 2.1 MB)
download >>

This SoftPak contains a Pocket PC 2003 Bluetooth Driver Update for the iPAQ Pocket PC models listed below

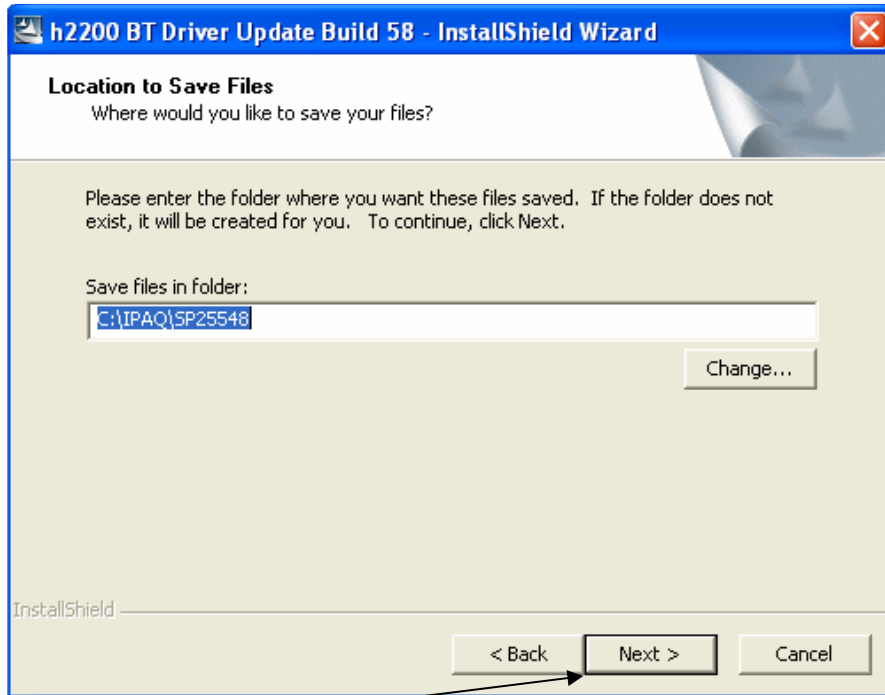
Click on "download", to get the driver.



Click on **"Open"**. The pocket PC must be connected to the Pocket PC in order for the driver to be installed.



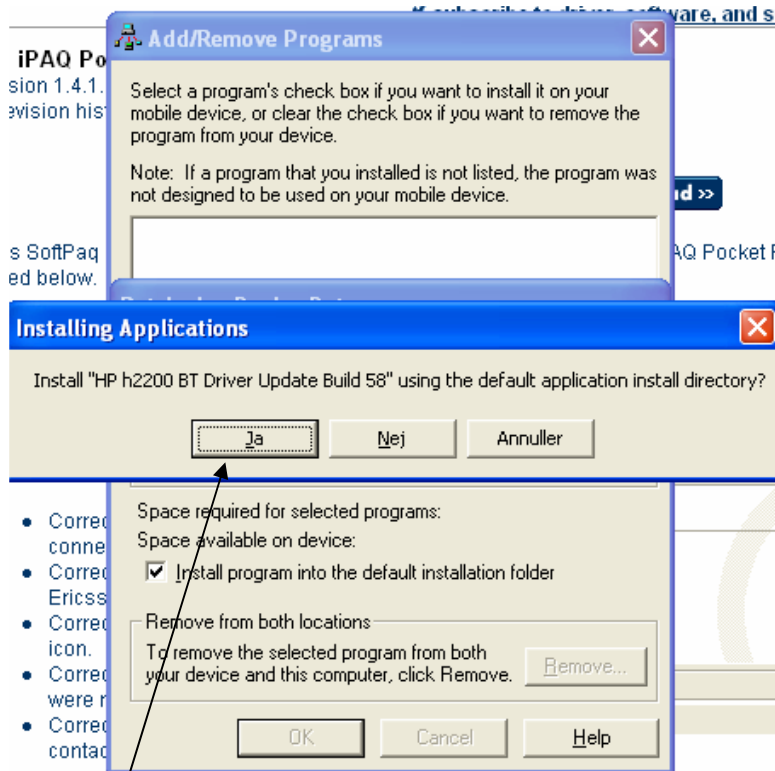
Choose to accept the license agreement and click on **"Next"**.



Click on "Next":

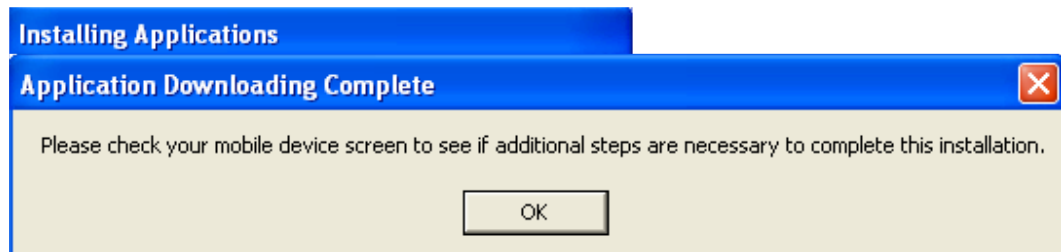


The PC is receiving data from the Pocket PC.



Click on "Yes".

The driver is being installed.

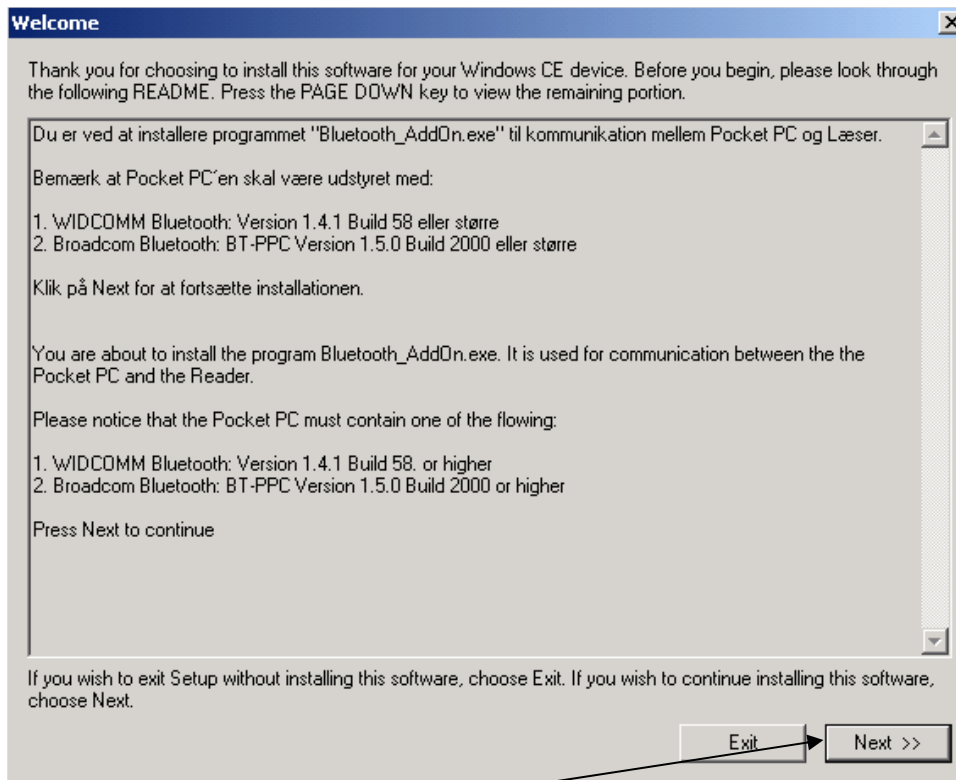


Look on the display of the Pocket PC to see if any message is shown. If there is, then click "Ok" to the message and then click "OK" to the picture shown above. Then the installation is finished and the version must now be 1.4.1 Build 58.

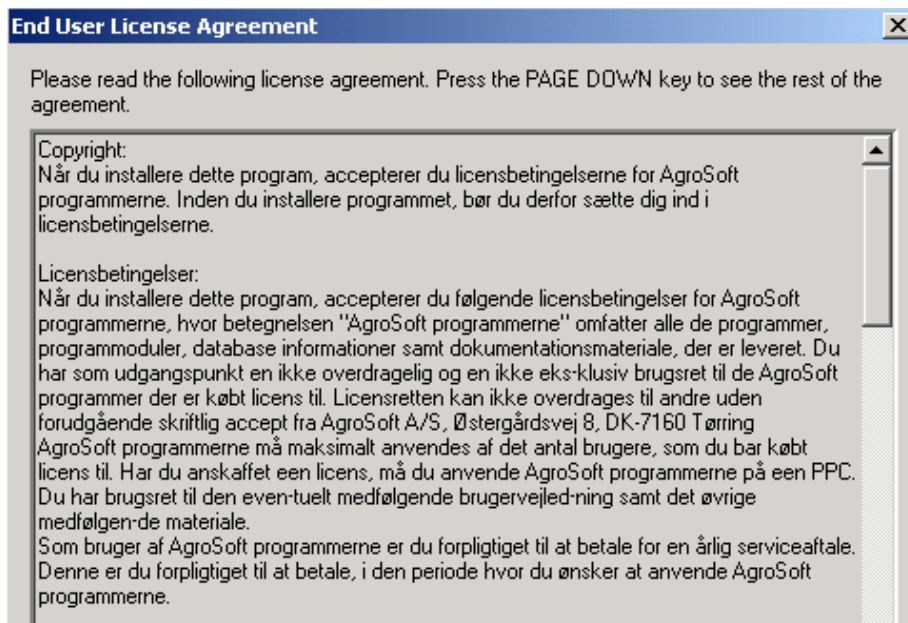
### 3. Installation of files to the MultiReader

Run the programme "Bluetooth\_AddOn.exe". You will find it on the newest AgroSoft CD in the folder "PocketPC".

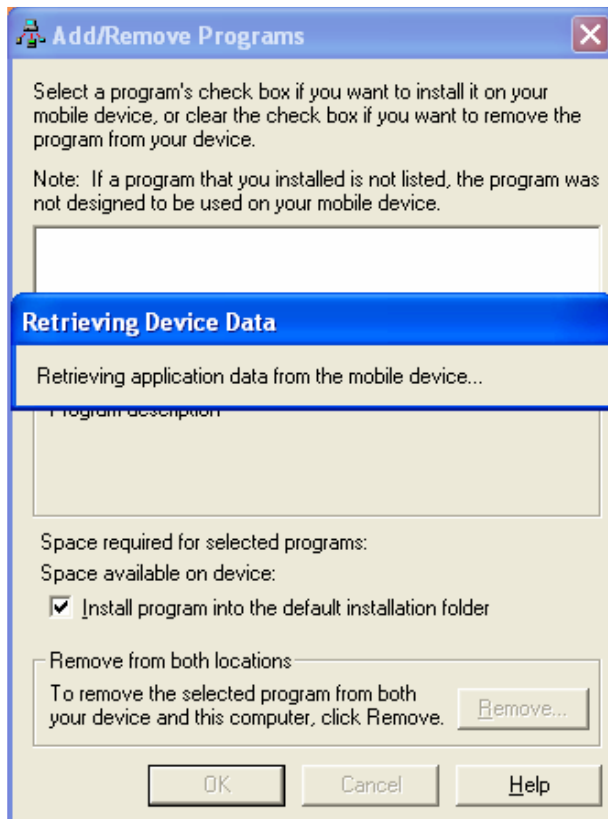
The Pocket PC must be connected to the PC during the installation.



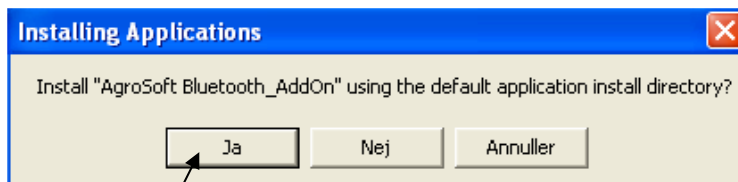
Click on "Next".



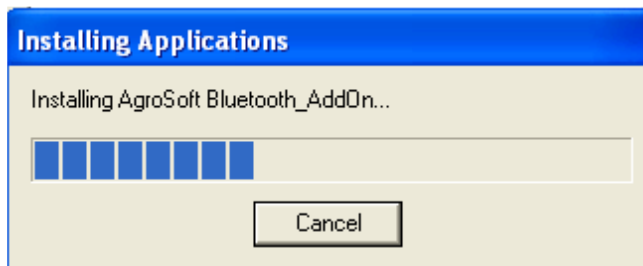
Click on "Yes" to continue.



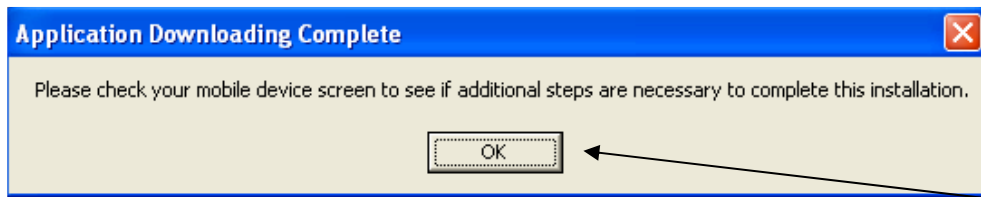
Data is exchanged with the Pocket PC.



Click on "Yes".



The programme is being installed.



Look on the display of the Pocket PC to see if it necessary to do something and then click **”OK”** on the PC. Now the installation is finished.

#### 4. Create connection to the MultiReader

##### **Reader**

Click on the button in the middle to switch on the MultiReader.

##### **Pocket**

When the connection is to be created for the first time, start by turning on the Pocket PC. In the bottom right hand corner you will see a little blue icon for Bluetooth. Click on this icon and choose **”Bluetooth Manager”**.

Click on **”New”** (bottom left hand corner) - **”Connect”** and **”Next”**. Click on **”No device detected - tap here to choose a device”**. When the Pocket PC has found the reader the icon **”MultiRea...”** will be shown. Click on this icon.

Click on the text **”MultiReader”**- **”Next”** and **”Finish”**.

Tap & hold on the icon **”MultiReader”** and choose **”Connect”** in the menu that appears. If there an error message is not shown then there is connection between the MultiReader and the Pocket PC.

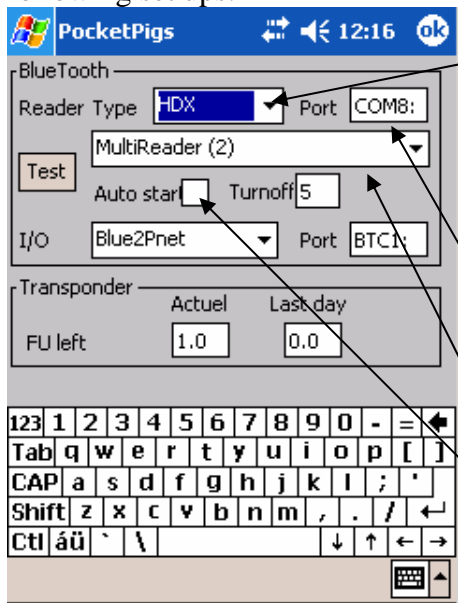
Interrupt the connection to the MultiReader. To do this “tap & hold” on the icon **”MultiReader”** and then choose **”Disconnect”**.

Close the **”Bluetooth Manager”** by clicking on the **X** in the top right hand corner. Open **”Bluetooth Settings”** (Click on the blue icon in the bottom right hand corner of the main picture).

##### *Com Port*

Click on the tab **”Serial Port”** (Use the arrow on the right hand side to get to this tab). Read what it says at **”Outbound Com Port”** (This has to be used later on in PocketPigs). Click on **”ok”** to close the picture.

**PocketPigs** Open the programme "PocketPigs" and then open "General"- "Setup". Check the following set ups.



**Reader Type:** Choose reader type (How the ear tags is read). *Non*= no reader, *HDX*= standard, the ear tags are read without a hyphen, if any. *ISO*= the ear tags is read with hyphen. *5 ciffer*= only the last 5 digits is read.

**Port:** Here it has to be the same number as in "Outbound Com Port" (for example COM8).

**The box under the Reader Type:** Choose the name of the MultiReader. It is shown on the display when it is switched on.


**Autostart:** Remove the mark, if any.


Click "ok" to close the picture. Now the installation / setup is complete.


## Use of the MultiReader

- On** Press the middle button on the MultiReader.
- Off** The MultiReader will switch of on its own when it has not been used for a while.
- Charge** The MultiReader is charged with the charger that came with the MultiReader. Remove the battery from the bottom of the MultiReader and put the lose battery in the charger.

## Connection to the Pocket PC

In the bottom of the display of the Pocket PC you can always see if there is connection to the MultiReader. When there is no connection this symbol will be shown . (No MultiReader).

Turn on the MultiReader and click on the symbol (no MultiReader) to get a connection. Now the pocket PC will look for the MultiReader, and the symbol  (Look for MultiReader) is shown instead.

When the Pocket PC has connection with the MultiReader this symbol will be shown  (Connection to the MultiReader).

- Power** When the MultiReader has connection to the Pocket PC it is possible to see how much power there is left on the MultiReader by pressing the symbol for "connection to the MultiReader".

## What does the single lights / indicators mean

### 1. Light (Red)

**Single flash:** It is necessary to do something (register) on the pocket PC before you can continue. It might be that the ear tag cannot be recognized. (Display = not found).

### 2. Light (yellow)

**Slow flash:** The MultiReader is ready to read ear tags. (Display = Ready!).

### 3. Light (orange)

**(Work Lists) Slow flash:** The sow is on the work list and it has not been marked as done. It will now automatically be marked in "done".

**Slow Flash:** The sow is on the work list but it has already been marked as "done".

## Read ear tag (transponder)

- Find Sows** The cursor must be placed in the sow card on the Pocket PC. There has to be connection to the MultiReader. Point at the ear tag and press the middle button on the MultiReader. How many cm the MultiReader has to be from the ear tag depends on the type of the ear tag. If the ear tag is known the sow card of the sow will appear on the pocket PC. On the display of the MultiReader the sow's number and the latest event will be shown.
- Put in** To put in a transponder number of a sow the cursor has to be placed in "Sows" – "Sow card" on the Pocket PC (not necessarily on the sow in question), and there has to be connection to the MultiReader. Read the ear tag. On the pocket PC the following will appear "Transponder does not exist" and the box "Sow number". In "Sow number" you can type in what sow the ear tags belongs to and press "Create new sow". Then the ear tag / transponder number will be put in.
- Reuse** If you wish to re-use an ear tag, then the sow it used to belong to has to be removed and data has to be transferred to the PC and then back to the Pocket PC, before the ear tag can be used for another animal.

## Work list

When the MultiReader is used to find a sow on a work list, you first have to open the list in question in the PocketPigs programme on the Pocket PC and make sure that there is connection to the MultiReader.

Then you read the ear tags on the animals. From which light that flashes, you can see if the animal is on the list and if the work has been done (see the section "What does the single lights / indicators mean). The first time the animal is found on the list it will automatically be marked in "Done".

**To the following work tasks the MultiReader can in addition be used for registration. Inset / change feed plan, adjust feed level, type in the result of pregnancy test and registration of dead and transferred piglets. This is described later in this section.**

- Sows** If you have a group of animals that there is something special about, so that you wish to save them on a list, then it is possible to use the work list "Sows".

You put the animals on the list by reading the ear tags (they will automatically be marked as "Done" when they are put on the list). If the list is to be saved for later use, then tap and hold on "Done" and chose "save". Then you can chose under which filename the list should be saved. After this you can get the list by choosing the list "sows", tap and hold on "Done" and chose "Get". Then mark the wanted filename.

- Find** The list "Find" can be used in basically the same way. The only difference is that the sows are not automatically marked as "Done" when they are put on the list. This means that the list can be used for the animals you wish to find in the current location. If you type in the sow numbers on the list, then you can use it as a normal

work list, where you (by help of the lights) can see if the animal you read is on the list or if it has already been handled.

**Feed plan**

The MultiReader can be used to change the sows feed plan. Choose the work list “**Feed plan**” under “**Sows**” – “**Work List**”. When you have identified a sow, it is possible to change the feed plan. By using the button furthest to the left it is possible to leaf down through the feed plans and by using the button furthest to the right you can leaf up through the feed plans. Approve of the change by pressing the button in the middle.

Sow.	123		
Cyc.	MJ	Fp	
	-101	2.00	3
	-1	OK	+1

Example of the “Feed plan” on the display of the MultiReader.

**Feed level**

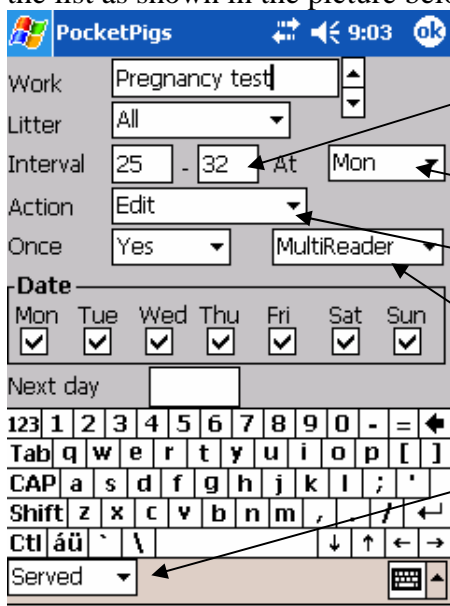
The MultiReader can be used to change how much feed a sow gets. Chose the work list “**Feed level**” under “**Sows**”- “**Work lists**”. When you have identified a sow you can change the feed level. With the button furthest to the left you lower the feed level with 5 % at a time and with the button furthest to the right you increase the feed level with 5 % at a time. Approve by using the button in the middle.

Sow.	123		
Fp	MJ	Dev	
	3	2.00	3
	-5	OK	+5

Example of the “Feed level” on the display of the MultiReader.

**Preg. Test**

If you have set up a work list for pregnancy test in PocketPigs, it is possible to use the MultiReader to change if the sow is registered as pregnant or not pregnant. Set up the list as shown in the picture below under “**General**” and “**Work list**”:



Type in how many days after service the sows must be to be on the list.

Choose whether the list are to be created every day or on a certain weekday.

Choose Action= Edit to be able to change if the sow is marked as pregnant or not pregnant.

Choose MultiReader, for the work list to get connection to it.

Choose that the sow’s last event is service.

When you open the work list under "Sows" and "Work list", you can on the display of the MultiReader see the following information of the sows on the list.

Sow.	123
Served	010105
Pregnant	Yes
No OK	Yes

← The sow has been marked pregnant.

To change whether the sow has been marked pregnant or not, then click on the button on the left in order to change to a "no" for "Not pregnant" and on the button on the right for "yes" "Pregnant". Click on the button in the middle to accept.

**Dead piglets** It is possible with the MultiReader to register dead piglets at the sows via supplementary registrations (Supl. Reg). Firstly, you have to set up in the WinPig programme which codes you wish to use for the registration

The codes are set up in WinPig under "General"- "Code setup"- "Codes" (e.g. code 100 = Laid on, 101= Hunger). The interval for the codes also needs to be typed in under "General"- "Extern data registration"- "System setup". The first of the codes is typed in under "Value" at "DeadPigletStartCode" and the last code at "DeadPigletEndCode".

In PocketPigs you set up a work list in where you can make the supplementary registrations on the sows that have farrowed. The work list is set up under "General" – "work list", as shown in the picture below.

The screenshot shows the 'Dead piglets' configuration window in the PocketPigs application. The window title is 'PocketPigs' and the system tray shows '9:12' and 'ok'. The configuration options are as follows:

- Work:** Dead piglets
- Litter:** All
- Interval:** 0 - 50 At Allways
- Action:** Create: Sup.Reg
- Once:** No
- Date:** Mon, Tue, Wed, Thu, Fri, Sat, Sun (all checked)
- Next day:** [Empty field]
- Keyboard:** A numeric keypad and a standard QWERTY keyboard are visible.
- Bottom:** Farrowed

Annotations with arrows point to the following elements:

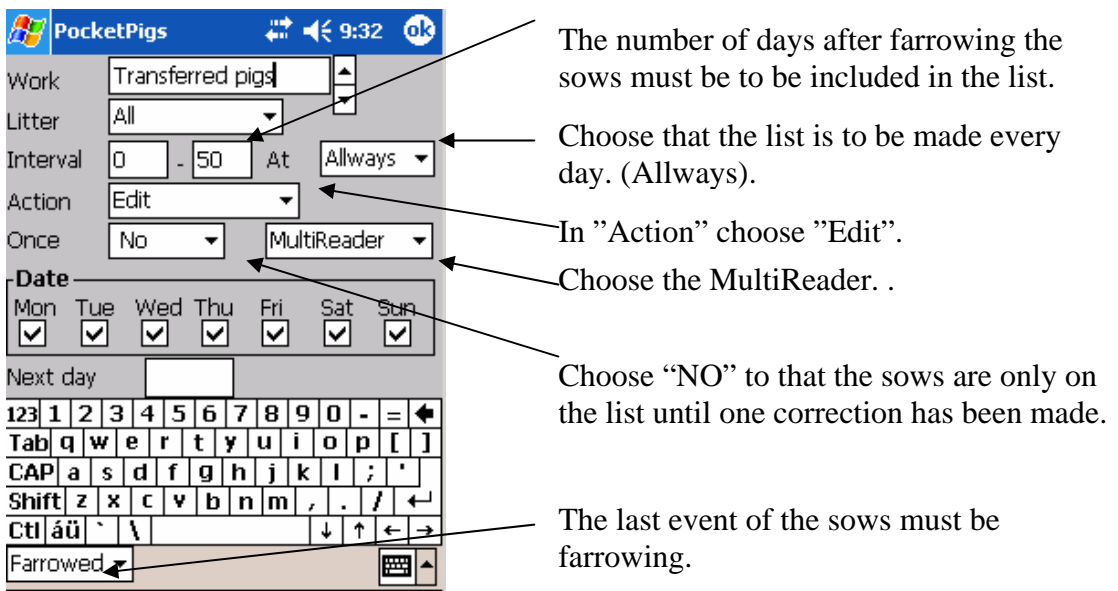
- The number of days after farrowing the sows must be to be included in the list. (Points to the '50' in the Interval field)
- Choose that the list is to be made every day. (Allways) (Points to the 'Allways' dropdown)
- In "Action" choose "Create: Sup.Reg". (Points to the 'Create: Sup.Reg' dropdown)
- Choose the MultiReader. (Points to the 'MultiReader' dropdown)
- Choose "NO" to that the sows are only on the list until they have one Supl. Reg. (Points to the 'No' dropdown)
- The last event on the sows must be farrowing. (Points to the 'Farrowed' dropdown)

If you have chosen the work list under "Sows"- "Work list" the following will be shown on the display of the MultiReader, when you have read the ear tag of a sow that is on the list.

Sow.	123
Hunger	
Code:	100
-1	OK
	+1

The program will automatically suggest the first of the codes. It is possible to leaf down through the codes by using the left button and to leaf up through the codes by pressing the button in the middle to accept. There will automatically be registered one dead piglet at a time.

**Transferred** If you want to keep a check on how many suckling piglets there are, it is possible to register transferred piglets. Set up a work list in PocketPigs under "General" and "Work list" as shown in the following picture:



When you have chosen the work list under "Sows"- "Work List" the following will appear on the display of the MultiReader, when you have read an ear tag of a sow that is on the list:

Sow.	123
Live No.	Fo.
11	7 -4
-1	OK +1

Use the button on the left to remove piglets from the sow and the button on the right side to add piglets to the sow. Use the button in the middle to accept.