

August 2008

Bluetooth Printers



Bluetooth Printer Set Up

Each IPAQ supplied by KPR is linked (or 'paired') wirelessly to a printer when new, this works successfully no matter how many IPAQ's or printers the customers operate. If the printer develops a fault, KPR undertake to loan the customer a printer whilst the fault is fixed, BUT there are some changes to be done on the loan or replacement handheld first, before you can use the new printer with your IPAQ.

Printer operation ON / OFF

The main thing to note is that all other BLUETOOTH IPAQ printers must be turned OFF, and only the specific printer you need to attach to the IPAQ should be ON.

The printer model we use is the Mylox 'Porti-SC30'. (NB. In the Bluetooth setup, the printer is called '**WOOSIM**', this is the name of one of the manufacturers!) The printer is very simple to operate, and basic commands are as follows.

Switching ON – slide the POWER button (LH side of printer) to the rear. (On Newer models press the ON button which is the Black button on the front of the printer).

This will flash a number of on the printer and eventually show the top green light to indicate that the printer is ON and available to receive signals from the IPAQ.

Switching OFF – slide power button towards the front of the printer (or press the black button on the front of the printer. The Green light will go off.

Whilst charging (via the adaptor provided), the printer can be switched ON or OFF. The printer will charge faster if turned OFF.

Entering the settings on the IPAQ

NB Please use the supplied stylus to tap the screen, any other sharp objects may damage the screen (or puncture the flexible film if you are using the rugged case). Do **NOT** use the tip of a ballpoint pen – this will mark the screen with ink!!

Switch on the IPAQ – If you see the KPR program screen, (MACCS log on screen) please exit (by filling the password with 'X's) and return to the desktop (blue) screen containing the Start Menu.

NB The KPR program may still be running, even though the Ipaq is showing the desktop! Check for a small black (PocketDOS) '**C:**' icon at the bottom right of the screen (the 'toolbar') and double-tap it to bring MACCS up once again. You can then exit properly.

Fact Sheet 2

Bluetooth Printer Set Up



Some screens may vary according to model of IPAQ

Fig 1

Ipaq Wireless'

Tap the icon at the bottom right of the screen, this is a shortcut to the 'Ipaq Wireless' settings. There is one (sometimes two) circular buttons to the left side of the screen – the top one 'Wi-Fi' if there, should be grey (with a little red 'x') signifying the feature is OFF. The lower circular button (Bluetooth symbol) should be green (i.e. Bluetooth is ON) similar to Fig 1 above – you should also see a flashing blue light on top of the Ipaq.

If the Bluetooth button is grey, (with a little red 'x' displayed), tap the button to switch Bluetooth ON. The button should turn green.

1) Check Bluetooth settings

Tap on the 'Settings' button. You should see the profile is set to 'Default' and that 'Bluetooth is ON'.

On the 'tabs' at the bottom of the screen tap on 'Accessibility'. Ensure all the boxes are ticked,

AND that '**Paired Devices only**' is selected. (This will stop the Ipaq trying to connect to PC's and mobile phones!). Click on the 'OK' (top right) to return to the 'Ipaq Wireless' screen.

2) Bluetooth Manager

a) Removing the link to the (faulty) printer.

Tap on the 'Manager' button. You may see an icon 'WOOSIM' on the front ('My Shortcuts') screen although this is not always the case! If you do see a printer shortcut icon, remove it by holding the stylus on the icon until the 'sub-menu' displays (this is equivalent to a 'right-click' on a PC). Tap 'Delete' and the icon will disappear.

On the menu at the bottom of the screen tap 'Tools', and then 'Paired Devices'.

Remove the paired device by clicking on the 'WOOSIM' icon (to highlight it) then tap on 'Remove'. Confirm by tapping 'Yes' and then tap 'OK' to clear the confirmation message box.

b) Adding the new (loan) printer.

Tap on 'Add'. Then click the small 'look-up' icon next to the device entry box. This will search for all Bluetooth devices in range. An icon is displayed for every device – you should see only ONE 'WOOSIM' icon, and that is the one printer you have switched ON.

If you see more than one printer icon, please switch all other printers OFF before proceeding. Then, to 'refresh' the screen tap on the small 'sync' icon (circle with arrows) in the bottom left of the screen. The icon will change momentarily to a red 'X' and then go back to normal – the screen should be re-freshed and should now show only one printer.

Tap the printer icon and you will be asked for a passkey – for the Mylox printer enter '**1234**' and tap the 'OK' button at the top right. The 'WOOSIM' icon will be re-displayed on the paired devices screen.

Return to the Bluetooth Manager by tapping on 'OK'.

Bluetooth Printer Set Up



Fig 2

c) Adding a new 'shortcut' and testing the connection

Tap on 'New' (bottom left). This will start up the 'Connection Wizard'. Use the scroll bar at the right-hand side to scroll to the option on the screen, which is 'Explore A Bluetooth Device'. (Fig 2) Tap on the option and the IPAQ should display devices in range.

You will see an 'WOOSIM' icon with a small red tick against it (this means that the device is paired with the IPAQ). Tap the icon and the IPAQ will find the printer and display an icon called 'BT Serial'. Tap on this icon to highlight it and then tap on 'Next' (at bottom right). The screen should say 'Shortcuts Created'. Click on 'Finish' (bottom right).

You should see the 'WOOSIM: BT Serial' icon on the 'My Shortcuts' screen. To test the connection, hold the stylus on the printer icon until the 'sub-menu' displays (this is equivalent to a 'right-click' on a PC). Tap 'Connect' and the IPAQ will connect to the printer, showing a set of green arrows with the icon. The connection is now proven.

Return to the Ipaq desktop by tapping on 'X' and then 'OK' (both at the top right of the screen).

d) Run KPR application (MACCS/DECCS/MEALS) to test the printer connection

Ensure that your new printer is still switched ON! From the Ipaq desktop, tap 'Start' (top left!) and then tap on the usual KPR system option to load the application. If the connection is established you will be able to log into MACCS as normal. TEST the printer when prompted to do so – your designated printer should spring into life!

If your Ipaq 'hangs' on the way in, the connection may not yet be established – in this case stop the process by tapping the red ('stop') button on the bottom toolbar – tap on 'OK' to shutdown 'PocketDOS' and return to the desktop. Usually going into the KPR program a second time will connect, and you will be able to log on and test the printer

Bluetooth Printer Set Up

Some Do's and Don'ts

Always switch the printer ON **before** you switch on the Ipaq. This helps the Ipaq 'pair' with the printer when it powers on. (If the KPR program 'hangs' on the way into the system, switching the printer on may help!) If you are confused by which printer is paired with which handheld, it is OK to switch ALL the printers on and see which printer responds to which handheld!

Never switch the printer OFF whilst you are still using your KPR system! Any receipt print may fail with an error (no 24) and you may lose the connection altogether and the application may 'freeze'. To recover, stop the process (use the red toolbar button as above), try switching the Ipaq off, then switching the printer back ON and finally switching the Ipaq back ON. The KPR application should restart with no problems but TEST the printer first before doing any work.

Connection Problems

Sometimes the connection drops temporarily (probably the printer unit is low on power or out of range of the Ipaq), and in this case starting MACCS/DECCS/MEALS asks you for a printer (maybe the pass-key number for the printer ('1234')). If asked, **first tick the box** saying 'Always use the selected device', **then** tap on the WOOSIM icon. Tap the 'ok' on the message box to clear it and then double-tap on the black 'PocketDOS' icon to bring up the KPR program again. Test the printer!

If you still have problems, exit the KPR program altogether (fill the password with X's), and keep the printer switched ON. Tap the icon at the bottom right of the screen, to enter 'Ipaq Wireless' screen. Tap on Bluetooth 'Settings', then tap on the 'Services' tab at the bottom of the screen. In the list of Services tap on 'Serial Port' then tap on the 'Advanced' button (lower right). Ensure that the default device message mentions WOOSIM (AND the tick box should be **blank**). Exit from the settings screen by tapping on OK (top right) three times. Re-enter the KPR system to test the printer.



Unit 10

Creative Industries Centre

Wolverhampton Science Park

Glaisher Drive

Wolverhampton

WV10 9TG



If you have a topic you would like to be included in a KPR MACCS fact sheet please send your request to Jeremy Bradin at the address at the bottom of this fact sheet or call KPR on 01902 710054 or Fax us on 01902 427954 or e-mail

jeremybradin@kprmidlink.co.uk