Infrared connection of Series 5 to Nokia 8810 mobile phone.

Introduction

This document is designed as a step by step guide to help you connect your Series 5 to your Nokia 8810 mobile phone for email, faxing or web browsing. It is worth noting that other settings may also work and that the settings described in this document are being used as a means to get you up and running with the least amount of hassle.

Furthermore, this document assumes you have installed Message Suite v1.5x. At the time of writing the latest version is v1.52 and we strongly recommend that this version be installed.

You can obtain the latest version of Message Suite from our web site http://www.psion.com or install it from the PsiWin 2.2 CD.

1. Nokia mobile phone setup

1. Check your SIM card is enabled for data/fax – if you are unsure contact your network provider, who will be able to enable your SIM, if necessary.

2. If necessary 'activate' the Infrared port on the mobile phone (see note 1)

3. Position both units so that Infrared ports line up at a distance of between 5 to 15cm

4. For best result your mobile needs to be displaying good signal strength; i.e. 2 to 4 bars on your mobile display window. Note this is network dependent on your cellular provider in your coverage area. Failure to have a good signal strength may lead to intermittent dropped calls.

Please Note

1. To 'activate' the 8810's Infrared port press "Menu" and then "9". Do not close the key cover until you see a flashing icon in the top left-hand corner.
   If the icon disappears you will need to 'activate' the infrared port once more. If the icon stops flashing, but does not disappear, it is communicating with another infrared device.
   It is worth noting that if you do not get any infrared communications going between the 8810 and another device within 30 seconds you will need to repeat the above.

2. A wireless connection is liable to open air effects, which means that any call over GSM will not be as reliable or as fast as a land line to cable modem setup.

3. Expect success rates of about 70% for faxing and 90-100% for connecting to the Internet over the GSM network, these figures being network and coverage dependent for your area of use.

4. You will not be able to receive a fax call over your mobile phone without first knowing your mobile's fax number – please check with your network provider regarding this.
   NOTE: Your mobile's fax number is NOT the same as your mobile's voice number.

5. If you are attempting to receive a fax call, your phone will tell you what type of call you are receiving. If it does not say "Fax Call" then you are not receiving a fax call.

2. Series 5 Control Panel setup

1. Check the Remote link is set to 'Off' at the Psion end of the link. Go to the System screen and use Ctrl+L (or tap 'Remote Link' in the 'Tools' menu) and check that it is set to 'Off'. Press Enter or tap OK to confirm this setting.
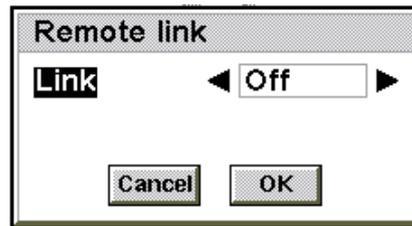
2. Now press CTRL+S (or tap on the Control Panel button on the right hand toolbar) to open your Series 5 control panel.

3. Tap on the 'Modems' icon **Modems**

4. Tap on the 'New' button and enter the data modem configuration so that it is the same as the listed parameters below. Press CTRL+D (or tap on the 'Done' button) when you have finished creating the new modem configuration

5. Setup your dialling location details by tapping on the 'Dialling' icon **Dialling** and selecting 'Mobile' option in the Location Details tab. Tap on 'OK' to confirm your choice.

6. Follow the messaging suite user manual for setup of your Internet provider and Email account provider details.

Please Note

- If the phone drops the call and the software stills says you are connected, ensure that you have told the software you have disconnected. Otherwise if you try to change the settings the software may get confused and reset some settings to their default.

- Avoid future login problems by closing down your connection to the email/web post office properly i.e. select the option 'close remote mailbox' or 'disconnect from Internet'.

Modem setup parameters from Series 5 control panel

Modem Name	Nokia Infrared Modem
Modem Speed	115200
Connect Via	Infrared
Fax Class	Auto
Loudspeaker in user	Never
Volume	Quiet
Pause time for ","	4
Init. (reset) string	ATZ
Data init. String	Empty
Fax init. String	Empty
Flow Control	Hardware (RTS/CTS)
Terminal detect (DSR/DTR)	Not set
Carrier detect (DCD)	Not set

3. Testing your Internet connection with Web

NOTE: It is best to test your internet connection with just the web browser as it only requires you to ensure one username and password is correct. Please see the Message Suite user manual for details of how to ensure you have the correct settings for your Internet connection.

1. Start up web by tapping on the Extras icon and then tapping on the web icon

2. To dial out select mobile for location rather than office or home.

3. Ensure you have set the modem setting to "Nokia Infrared Modem"
4. Typical Network login time is 20-30 seconds
5. Typical download time for Psion's home web page (www.psion.com) is about 2 minutes, this being dependent on having good cellular coverage and high signal level.

Please Note

- If you receive a dialog that tells you 'Access Denied' this is most likely because you have not turned the Remote Link off, or that the Comms application is running. To remedy the solution, check that the Remote Link is off by pressing CTRL+L when on the system screen, and check that the Comms application is not open by holding down the CTRL button and tapping on the system button. This will display the 'Open files / programs' dialog which will allow you to close down the Comms application if necessary.
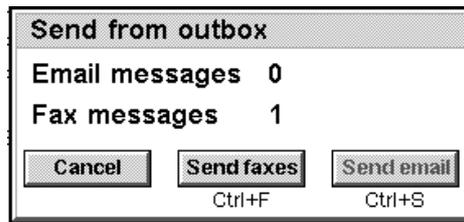
4. Sending and Receiving a Fax via Infrared

Start up email by tapping on the Extras icon **Extras** and then tapping on the email icon **Email**

To send a fax:

1. Create a new fax by tapping on the "New" button in the right hand side toolbar and then tap on "Fax…", or by pressing Shift+CTRL+F. Once you have composed the fax press CTRL+S to save it to your Outbox.

```
Email...        Email
Fax...          New
```

2. Press CTRL+S. This will display a "Send from outbox" dialog. Tap on the "Send faxes" button.

```
Send from outbox
Email messages   0
Fax messages     1
Cancel   Send faxes   Send email
            Ctrl+F        Ctrl+S
```

3. Ensure your location is set to "Mobile" and your modem is set to "Nokia Infrared Modem"

```
Connect
Fax number   +44 990 561046
Location   ◄ Mobile ►
Modem       Nokia Infrared Modem
            Cancel   OK
```
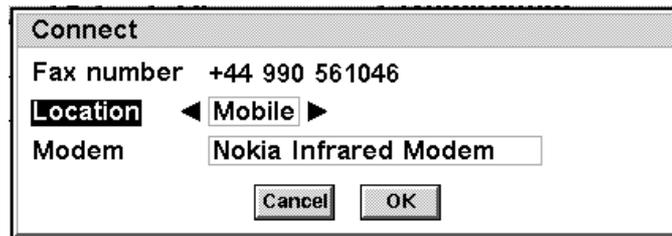
4. Tap on "OK" to send your faxes.

To receive a fax:

1. Ensure whomever is sending you a fax is sending it to your mobile's fax number.
2. Tap on the "Get fax" button on the right hand side toolbar.
3. Choose "Wait for call"
4. Ensure the modem selected is "Nokia Infrared Modem"

```
Connect
Modem   ◄ Nokia Infrared Modem   ►
            Cancel   OK
```
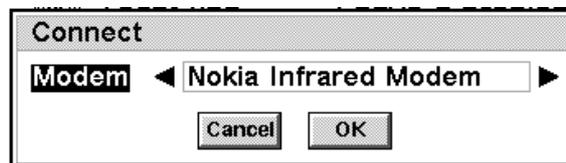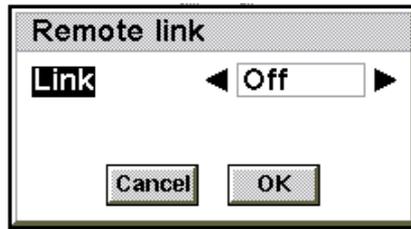
5. Tap on "OK"
6. Wait for your phone to ring, Message Suite will then answer the call when your phone rings.

5. Troubleshooting using the Series 5 Comms app

The following method can be used to check that the Series 5 can establish a link with the Nokia Infrared modem being used.

- Check that the remote link (CTRL+L) is turned off

  Confirm by tapping on the 'OK' button

- If necessary check that the Infrared port is activated on the mobile phone

- From the Extras bar open the comms application

- On the tool bar tap on the 'setup' button, and choose Infrared under settings. Confirm by tapping on the 'OK' button.

- Press menu and tap on 'tools', then tap on translate codes and check that local echo is not ticked. Confirm by tapping on the 'OK' button

- You should see 'on-line' in the lower left of the Series 5 screen.

- Type 'ati' and press return. You should receive a prompt of either "Nokia Mobile Phones" followed by an 'OK' when the interface between Series 5 and mobile phone is working correctly.

- Press CTRL-E once you have finished testing the link between the mobile phone and the Series 5.

6. Notes regarding other Infrared services:

1. You cannot send or receive SMS messages on the Series 5 via Message Suite

2. You cannot send calendar/contact information over Infrared to the Series 5 via Message Suite

3. There is a 3rd party software that allows you to have Phone Book management capabilities over infrared found at http://www.steveg.dircon.co.uk/

4. You cannot use faxback services that require you to switch between a voice call and fax call without redialling.