



SUPPORT GUIDE FOR THE NOKIA 8310 WITH AN INFRARED DATA CONNECTION IN PSION DEVICES

NOKIA



Contents

- 1. INTRODUCTION 1
- 2. PSION CONFIGURATION 1
- 3. GENERAL RULES ABOUT INFRARED IN NOKIA 8310..... 1
- 4. PSION MODEM CONFIGURATION 1
- 5. PSION DIAL-UP CONNECTION CONFIGURATION..... 2
- 6. MAKING A DIAL-UP CONNECTION..... 3
- 7. PSION COMMS (TERMINAL) CONNECTION CONFIGURATION..... 3
- 8. MESSAGE SUITE CONFIGURATION 4
- 9. SEND FAX 4
- 10. SEND EMAIL..... 4

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1. INTRODUCTION

How to configure Psion device to function with Nokia 8310 phone as a modem with it

- Psion device and Nokia 8310 phone are the basic requirements
- Data services (at least outgoing data) should be activated in order to be able to make data calls
- When you wish to use GPRS connection please verify from your operator that GPRS is activated on your SIM card and your SIM card supports GPRS
- When you are roaming in other GSM operator's network please verify that they have also GPRS roaming agreement
- Decent GSM coverage and also at least half of the battery left in both devices as the data connection's power consumption is usually quite high.

2. PSION CONFIGURATION

If Psion Message Suite is not installed in your device (Psion 5), please download it from www.psimon.com and follow the installation instruction given there. Message Suite is an integrated set of applications that provides email, fax and web browsing capabilities for Psion Computers Series 5 handheld computer. This guide is made for Message Suite version 1.52. After successful installation of Psion Message Suite you can proceed with Nokia 8310 specific steps listed below:

3. GENERAL RULES ABOUT INFRARED IN NOKIA 8310

When you are making connection (call) first activate infrared reception in Nokia 8310 by pressing Menu and clicking once the up button and then clicking "Select" then you can start dialling procedure in Psion Infrared connection is released when call is ended.

4. PSION MODEM CONFIGURATION

1. Select *Control Panel*
2. Select *Modems*
3. Select *New*
4. Type Name: Nokia 8310

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5. Speed: 57600 (if you encounter problems in establishing connection between your Psion and Nokia phone please try lower speed)
 6. Connect via: Infrared
 7. Fax class: Auto
 8. Go to Initialisation leaflet and set *Init. (reset) string*: *AT&F&K3* (don't put anything here if you wish to use "Receive fax immediately" in the Email program)
 9. *Data init. string* _____
 - 9.1. if you wish to use HSCSD then type *AT+CBST=16* for 28.8 Kbps modem connection but don't put anything if you want to get only 9.6 Kbps
 - 9.2. if you wish to use GPRS then type *AT+CGDCONT=,,"APN"* NOTE! APN is the name of the Access Point that you get from your GSM operator; please also check if further configuration is needed (i.e. DNS). Note that maximum number of characters in this row is 20, so if access point name is long then it is suggested to put on the phone.
 - 9.2.1. In Psion 7 and Revo the APN should be set in phone not to Psion.
 - 9.2.2. Psion 7 and Revo also requires you to put IP number even if you don't get one from your operator just put 0.0.0.0
 10. Go to Advanced leaflet and set *Flow control: Hardware (RTS/CTS)*
 11. *Terminal detect (DSR/DTR)*
 12. In Advanced leaflet check that the *Carrier detect (DCD)* is not checked
 13. Modem type *Mobile*
 14. Click OK.
 15. Current modem: Nokia 8310 – click OK

5. PSION DIAL-UP CONNECTION CONFIGURATION

1. Select *Control Panel*
2. Select *Internet*
3. Select New
4. Select Based Upon: *Standard settings.* –Press *OK*
5. On Psion's screen there should appear "New Internet Service" –window.
6. Edit Service
 - 6.1. Type Name (internet service provider)
 - 6.2. Connection type: *Dial-Up*
 - 6.3. Type *Phone Number* (If you use GPRS then type *99#, please check from your GSM operator)

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7. Select *Done*
 8. Select *OK* from "Internet Service Settings".

Now you should be ready to start using the Web browser application. If you have done the configuration before and you would like to edit connection configuration select *Edit* instead of *New* in point number three in the list above.

6. MAKING A DIAL-UP CONNECTION

1. From *Extras* select *Web*. If the web browser will not start and Psion tells you something is wrong in configuration, follow the instructions Psion gives you on the screen.
2. From *Web* window you will see down below the place where you should write the URL you want to visit. After you have written the URL press *Enter* from keyboard. On the screen should appear a pop-up window *Connect to Internet*.
3. Check that the connection settings are correct. The modem is the one that uses Nokia 8310 and phone number is also correct.
4. Before pressing *OK* check that *Ir-link* is active in your Nokia 8310. If the link is not active, do activate it from the Nokia 8310. If the link is active press *OK* in Psion.

Psion should be now looking up the host address you have chosen. When you want to quit browsing choose *file* from menu bar and from there disconnect from network. After that you can close the Web browser (*file – close*).

7. PSION COMMS (TERMINAL) CONNECTION CONFIGURATION

When you are using only terminal you will not need to download Message Suite.

1. Press *system*
2. Open *menu – tools – remote link...*
3. Select *off* and press *OK*
4. Press *Extras*
5. Select *Comms*
6. Open *menu – tools – communication settings*
7. Select: Use comms port: *infrared*
8. Select *OK*.



Now you should see "Online" in right upper corner.

9. Activate the Ir-link from your 8310.
10. Type AT and press "Enter". Now you should have active infrared connection and you can give AT commands.

8. MESSAGE SUITE CONFIGURATION

1. Select *Extras*
2. Select *Email*
3. Set your email settings: Menu – Tools- Settings - Email...
4. Set your Fax settings: Menu – Tools – Settings - Fax...

Now you can send and receive email and fax messages.

Create new email or fax

When you have finished your message select "Done (put in outbox)".

1. Open local outbox
2. Select *send*
3. Select *Send faxes* or *Send email*

9. SEND FAX

- 4.1 You will see "connect" dialogue. Check that Fax number, Location and Modem (Nokia 8310) are correct.
- 4.2 Activate Infrared in Nokia 8310 phone - This will activate infrared reception
- 4.3 Click OK in Psion dialogue
- 4.4 Now Message Suite is sending fax

10. SEND EMAIL

- 5.1 You will see "connect to Internet" dialogue. Check that Internet service, Number to dial and Modem are correct.
- 5.2 Activate Infrared in Nokia 8310 phone - This will activate infrared reception.
- 5.3 Click OK in Psion
- 5.4 Now Message Suite is making connection to Internet.