



KPN Mobiel Internet Dashboard v2.1

User Guide
2.1.0

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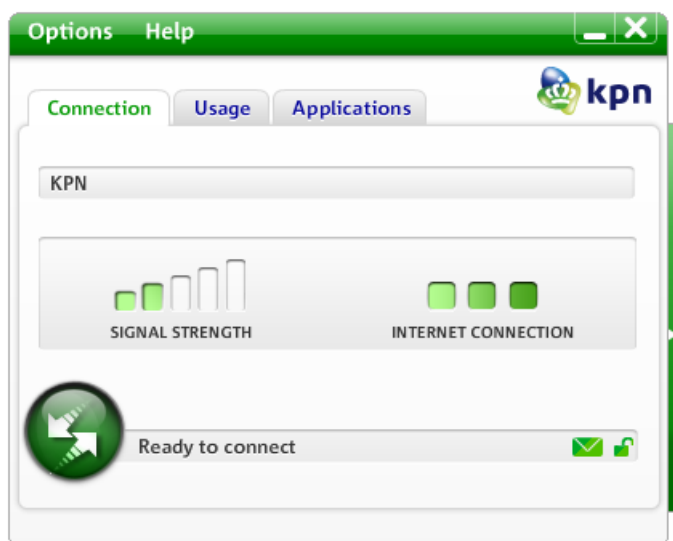
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1 Introduction



KPN Mobiel Internet Dashboard v2.1 is a tool that helps you get connected and manage your wireless connections on the go. It is preconfigured with the information you need to connect to your operator's cellular and wireless networks. KPN Dashboard assists you when roaming, warning you if you are connected to a different operator's network and risking a roaming surcharge. It lets you scan for WLAN or WiFi and cellular networks, monitor your network



usage and set thresholds, if desired, so that you will be warned if you exceed data or time limits on your subscription.

KPN Dashboard comes preconfigured with connection and application launch buttons, and supports the integration of various network-dependent applications, including:

- VPN clients, for encryption and privacy
- Mail clients
- Internet browsers

KPN Dashboard lets you configure connection and application preferences, so that you can customize the application to meet your particular needs. It contains an SMS/text messaging application that allows you to send and receive messages and to import, manage and export SIM contacts.

1.1 What do the LED colors mean?

Each device (Mobiel Internet Kaart or Mobiel Internet Modem) displays certain colors to communicate what state the device is currently in.

1.1.1 Mobiel Internet Kaart 310

The LED on the 'Mobiel Internet Kaart 310' has two different colours to show the different network types. Each colour of the LED equals a certain network type.

Red LED: connection with a GPRS network

Blue LED: connection with a UMTS network

1.1.2 Mobiel Internet Kaart 710

The LED on the 'Mobiel Internet Kaart 710' has three different colours to show the different network types. Each colour of the LED equals a certain network type.

Green LED: connection with a GPRS/ EDGE network

Blue LED: connection with a UMTS network

Cyan LED: connection with a HSDPA network



1.1.3 Mobiel Internet Kaart 712

The LED on the 'Mobiel Internet Kaart 712' has three different colours to show the different network types. Each colour of the LED equals a certain network type.

Green LED: connection with a GPRS/ EDGE network

Cyan LED: connection with a HSDPA network

1.1.4 Mobiel Internet Kaart 720

The LED on the 'Mobiel Internet Kaart 720' has two different colours to show the different network types. Each colour of the LED equals a certain network type.

Red LED: connection with a GPRS or EDGE network

Blue LED: connection with a HSDPA/UMTS network

1.1.5 Mobiel Internet Modem 802

The LED on the 'Mobiel Internet Modem 802' has two different colours to show the different network types. Each colour of the LED equals a certain network type. **Green LED:** connection with a GPRS network **Cyan LED:** connection with a UMTS network

1.1.6 Mobiel Internet Modem 804

The LED on the 'Mobiel Internet Modem 804' has two different colours to show the different network types. Each colour of the LED equals a certain network type. **Green LED:** connection with a GPRS network **Cyan LED:** connection with a UMTS network.

1.1.7 Mobiel Internet Kaart 820

The LED on the 'Mobiel Internet Kaart 820' has two different colours to show the different network types. Each colour of the LED equals a certain network type. **Green LED:** connection with a GPRS network **Cyan LED:** connection with a UMTS network



1.1.8 Mobiel Internet Kaart 810

The LED on the 'Mobiel Internet Kaart 810' has three different colours to show the different network types. Each colour of the LED equals a certain network type. **Red LED:** connection with a GPRS network **Blue LED:** connection with a UMTS network **Red LED:** connection with a EDGE network

1.2 How To...

Here are just some of the things you can do with KPN Dashboard...

- Start KPN Dashboard (**section 1.2.1**)
- Get online (**section 1.2.2**)
- Manage SIM Card PINs (**section 1.2.3**)
- Locate new hotspots (**section 1.2.4**)
- Access your home WLAN network (**section 1.2.5**)
- Install a new cellular device (**section**)
- Secure a profile with your VPN client (**section 1.2.7**)
- Check your network usage (**section 1.2.8**)
- Set network usage thresholds (**section 1.2.9**)
- Check your roaming status (**section 1.2.10**)
- Send and receive text messages (**section 1.2.11**)
- Keep up-to-date (**section 1.2.12**)
- Get help (**section 1.2.13**)

1.2.1 Start KPN Dashboard

To start KPN Dashboard, either double-click on the **KPN Mobiel Internet Dashboard v2.1** desktop icon or select **Programs > KPN Dashboard > KPN Mobiel Internet Dashboard v2.1** from the Windows **Start** menu.



1.2.2 Get Online

To start an Internet connection, all you need to do is click on the **Connect** button in the Connection tab or click on one of the application launch buttons in the Applications tab of the KPN Dashboard console.

1.2.3 Manage SIM Card PINs

Select **Options, Manage PINs** to enter or change the USIM card PIN for a device or disable PIN usage. See **section 3.5** for further details.

1.2.4 Locate New WLAN Networks

Select **Options, Find WiFi Networks** to display details of all the WLAN or WiFi networks (including public hotspots) available in your current location. See **section 3.3** for further details.

1.2.5 Access a Home/Office WiFi Network

To set up access to a WLAN or WiFi network in your home or office:

- 1 Go to your home/office.
- 2 Select **Options, Find WiFi Network** to display a list of all accessible WLAN networks. Note that the list may contain several networks if you have close neighbors with WLAN networks.
- 3 Select your network from the list, and click on **Connect** to open the **WLAN Bearer Setting** dialog.
- 4 Unless your home network is a hidden network, the **Network Name (SSID)** field is already filled in with the correct name, so you do not need to modify it. If your home network is a hidden network, then enter the SSID here.
- 5 Select the correct **Security type** and **Encryption type** options (you need to know what the correct settings are).
- 6 Enter the correct **Network security key** (again, you have to know what this is).
- 7 Click on **Connect** to save your changes, close the **WLAN Bearer Settings** dialog and connect or click **Cancel** to exit without saving any changes.



1.2.6 Install A New Device

Select **Options, Advanced Settings, Device Installer** to start the device installation wizard.

1.2.7 Secure a Profile With Your VPN Client

If one of the VPN clients supported by KPN Dashboard is installed on your PC, then you can create a secure KPN Dashboard profile by associating the VPN client with the profile. The VPN client will then be automatically started every time you establish a connection using the profile.

Before you can secure an KPN Dashboard profile in this way, you must have:

- Installed a supported VPN client
- Created at least one working VPN profile

To associate a VPN profile with an KPN Dashboard profile:

- 1 Select the VPN button on the **Applications tab** to open the **Task Properties** dialog.
- 2 Enter a **Name** for the VPN profile then select the profile you want to secure from the **Connection profile** pull-down list.
- 3 Select the name of your VPN client in the **Client** field.
- 4 If you want KPN Dashboard to be able to log in to the VPN for you, enter your VPN credentials in the user name and password fields. Otherwise, you will be prompted for these each time you establish a connection using this profile.
- 5 Enter the name of the VPN profile you are going to use in the **Profile name** field.
- 6 Only check the **Use certificate** and **Use certificate password** fields if your VPN client is set up to require them.
- 7 Click on **OK** to save your changes and close the **Task Properties** dialog or click **Cancel** to exit without saving any changes.

1.2.8 Check Your Network Usage

You can check your network usage in the **Usage** tab of the Dashboard. See **section 4** for further details.



1.2.9 Set Network Usage Thresholds

Select **Options, Advanced Settings..., Thresholds** to set thresholds that you can use to limit your network usage. When you reach a threshold you have set, a warning message is displayed. See **section 3.6.5** for further details.

1.2.10 Check Your Roaming Status

You can check your roaming status at any time by looking at the roaming indicator () in the KPN Dashboard console. See **section 2.2** for further details.

1.2.11 Send and Receive Text Messages

You can send and receive text messages and manage SIM card contacts from your PC using KPN Dashboard's built in SMS application, which you can start by clicking on the  button in the KPN Dashboard console or selecting the **SMS** launch button in the **Applications** tab. See **section 6** for further details.

1.2.12 Keep KPN Dashboard Up-to-Date

By default, KPN Dashboard keeps itself up-to-date: it automatically checks for updates such as new versions of KPN Dashboard, device drivers and configuration files, and displays an **Install Updates** dialog whenever it needs to download and install data. Occasionally, however, you may want to explicitly check for updates (if you skipped a previous download due to a slow connection, for example). You can do this by selecting **Help, Update Now....** See **section 5.1** for further details.

1.2.13 Get Help

Whatever you are doing with KPN Dashboard, you can get help by pressing the **F1** key. This will display **context-sensitive** help information - that is, help about the function or dialog you are currently using.



1.3 About This Manual

This manual contains:

- A general introduction to KPN Mobiel Internet Dashboard v2.1
- A complete description of the application and its components: where to find various tools and functions, and how to use them
- "How to" instructions for carrying out common tasks

For installation instructions and a quick guide to getting started with KPN Mobiel Internet Dashboard v2.1, see **Getting Started** guide/>.



2 The KPN Dashboard Console

The KPN Dashboard console contains an **Options** menu and a **Help** menu at the top, a **tabbed status pane** in the middle and a **news banner** at the bottom.

These components are described below, along with KPN Dashboard's system tray icon.

In the upper right-hand corner of the console are two buttons:



: Minimizes the console to a system tray icon (**section 2.3**).



: Terminates KPN Dashboard.

The menus in the menu bar provide access to the full range of KPN Mobiel Internet Dashboard v2.1 functionality and are described in **sections 3** and **4**.

2.1 The Menu Bar

The menu bar contains the following menus:

The Options Menu (see **section 3**)

This menu contains the following options:



- Choose Profile (see **section 3**)
Lets you change your active profile.
- Hotspot Account Manager (see **section**)
Lets you enter your Wi-Fi username and password, or allows you to Register for a username and password if you do not have one already.
- Find WiFi Network (see **section 3.3**)
Detects any WLAN or WiFi networks in your current location.
- Find Cellular Networks... (see **section**)
Lets you switch between automatic network selection (the default) and manual network operator selection.
- Manage PINs... (see **section 3.5**)
Lets you enable and disable the PIN code security checks on SIM cards.
- Advanced Settings... (see **section 3.6**)
Provides access to a range of advanced functions.

The Help Menu (see **section 5**)

This menu contains the following options:

- Help (see **section 5**)
Displays help about KPN Dashboard.
- About (see **section 5**)
Displays information about KPN Dashboard.
- Update Now... (see **section 5**)
Lets you check for and install the latest KPN Dashboard updates.

2.2 Status Pane

The middle of the KPN Dashboard console is occupied by a status pane used to display the following tabs:

- Connection
- Usage
- Applications



2.2.1 Connection tab

The Connection tab contains basic connection information such as signal strength and availability, along with the following:

- A status message that either describes any action currently being performed by KPN Dashboard (Connecting, Ready to Connect) or indicates whether or not a connection is currently possible.
- A row of network indicator that shows the current available cellular or Wi-Fi network and a row with signal strength scale and type of the currently attached network. In addition, the WWAN indicator includes a roaming indicator. When the text ROAMING is displayed it means the client is roaming on a non-partner network which may be more expensive than connecting in home network.
- A **VPN on/off** indicator that indicates whether or not a VPN session is established via an integrated VPN client. This indicator is only used in KPN Dashboard versions that include an integrated VPN client. For further information about integrated VPN clients, see **section 7.4**.
- A **new SMS/text message** indicator that indicates when a new text message has been received.

2.2.2 Usage tab

The Usage tab displays the following:

- **Connection History**
Select this option to display historical network usage information. The information is displayed in the KPN Dashboard console's status pane, replacing the usual status display. For details, see **section 4.1**.
- **Current Session**
Select this option to display network usage information for the current session. The information is displayed in the KPN Dashboard console's status pane, replacing the usual status display. For details, see **section 4.2**.



2.2.3 Applications tab

The Applications tab holds several application buttons which, when clicked, will launch the corresponding application such as SMS, VPN, Internet and Mail applications.

2.3 System Tray Icon

An KPN Dashboard icon is displayed in the system tray if the KPN Dashboard console has been hidden (minimized). To redisplay the console, double click on the icon. To terminate KPN Dashboard, right-click on the icon and select **Exit** from the menu.



3 The Options Menu

The Options menu contains the following options:

- **Choose Profile**
Displays a submenu containing the names of all your profiles. The active profile has a check mark next to it. To change active profile, select the profile you want to activate.
- **Hotspot Account Manager**
Displays a dialog to enter your Wi-Fi username and password, or to take you to Register for a username and password if you do not have one already.
- **Find WiFi Networks...**
Displays the **Find WiFi Networks** dialog ([section 3.3](#)), which lists all WLAN or WiFi networks in the vicinity of your PC.
- **Find Cellular Networks...**
Displays the **Network Mode Selection** dialog ([section](#)), which you can use to switch between automatic network selection (the default) and manual network selection. If you switch to manual network selection, then you can select networks yourself when roaming, instead of letting KPN Dashboard do it for you.
- **Manage PIN Number**
Displays the **Manage PIN Number** dialog ([section 3.5](#)), which you can use to enable and disable the PIN code security checks on SIM cards.



■ **Advanced Settings...**

Displays the **Advanced Settings** dialog (**section 3.6**), which provides access to a collection of advanced configuration dialogs. Some of these dialogs (the more commonly used ones) are also accessible from other menu options.

3.1 Choose Profile

You can select which profile you wish to use by accessing **Choose Profile** in the **Options** menu. Several profiles, such as Internet and Fast Internet, are made available by default however, you can add your own unique profiles by creating them in the **Profiles** dialog found in **Advanced Settings...** (see **section 3.6**).

3.2 Hotspot Account Manager

Enter Wi-Fi username and password

Username

Password

Confirm Password

OK Cancel

Wi-Fi Account Manager

You will need a KPN username and password in order to access public hotspots. If you already have this information, you can enter it at any time.

To set your username and password:

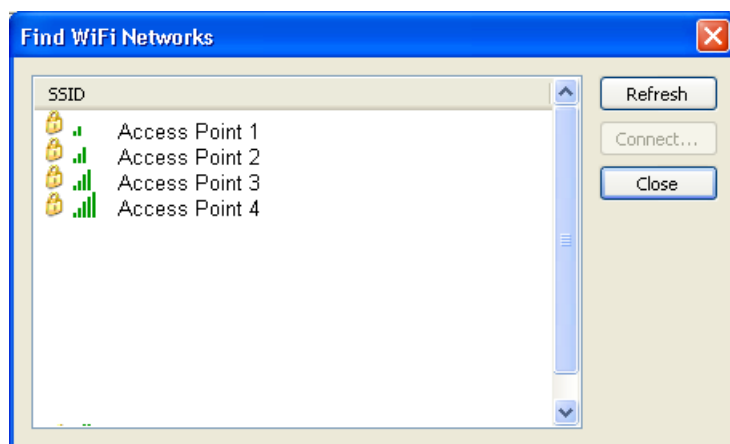
- 1 Select **Options, Hotspot Account Manager** to open the **Enter Wi-Fi username and password** dialog.
- 2 Enter the username and password provided by KPN in the spaces provided.



3 Click OK.

If you do not have a username and password, you may Register to receive one

3.3 Find WiFi Networks



All WLAN or WiFi networks detected in the vicinity are listed in the **Find WiFi Networks** list. If you move the PC or believe that a new network has become available, you can force a new scan by clicking the **Refresh** button.

The list contains the following information about each detected network:



This icon, if displayed, indicates that the associated network/access point requires security (not visible on Vista).



This icon, if displayed, indicates the signal strength (RSSI) of the associated network.

SSID

This is the name of the wireless network, usually broadcast by the wireless access point.

To start using one of the detected networks:



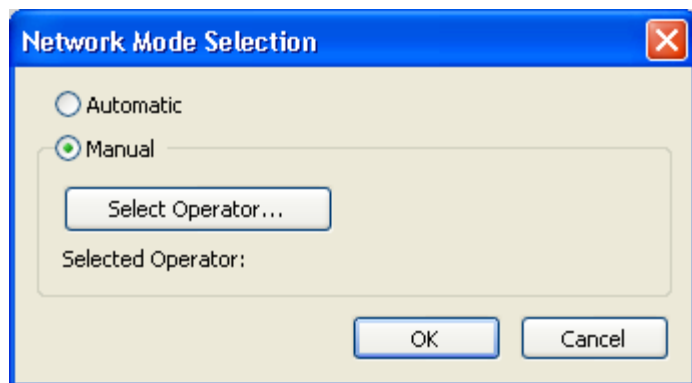
- Select the network from the list.
- Click on **Connect...** to configure the connection and start using it immediately.

To Configure the Connection:

You must first configure your network before you can use it. To configure:

- 1 Select **Options, Find WiFi Network** to display a list of all accessible WLAN networks. Note that the list may contain several networks if you have close neighbors with WLAN networks.
- 2 Select your network from the list, and click on **Connect** to open the **WLAN Bearer Setting** dialog.
- 3 Unless your home network is a hidden network, the **Network Name (SSID)** field is already filled in with the correct name, so you do not need to modify it. If your home network is a hidden network, then enter the SSID here.
- 4 Select the correct **Security type** and **Encryption type** options (you need to know what the correct settings are).
- 5 Enter the correct **Network security key** (again, you have to know what this is).
- 6 Click on **Connect** to save your changes, close the **WLAN Bearer Settings** dialog and connect or click **Cancel** to exit without saving any changes.

3.4 Find Cellular Networks





This dialog lets you switch between automatic and manual network selection. When roaming, you may sometimes wish to switch to a network other than the one selected by KPN Dashboard, for reasons of cost or quality.

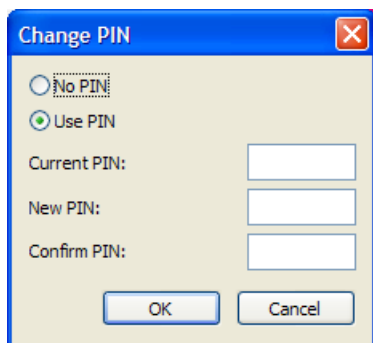
To switch to manual mode and select the roaming network yourself:

- 1 Select **Options, Find Cellular Network** to open the **Network Mode Selection** dialog.
- 2 Select **Manual**.
- 3 Click on **Choose operator...** to display the **Change Network Operator** dialog (section).
- 4 Select the required network and click **Change Operator**.
- 5 Click **OK**.

To switch back to automatic mode:

- 1 Select **Options, Find Cellular Network** to open the **Network Mode Selection** dialog.
- 2 Select **Automatic**.
- 3 Click **OK**.

3.5 Manage PIN Number



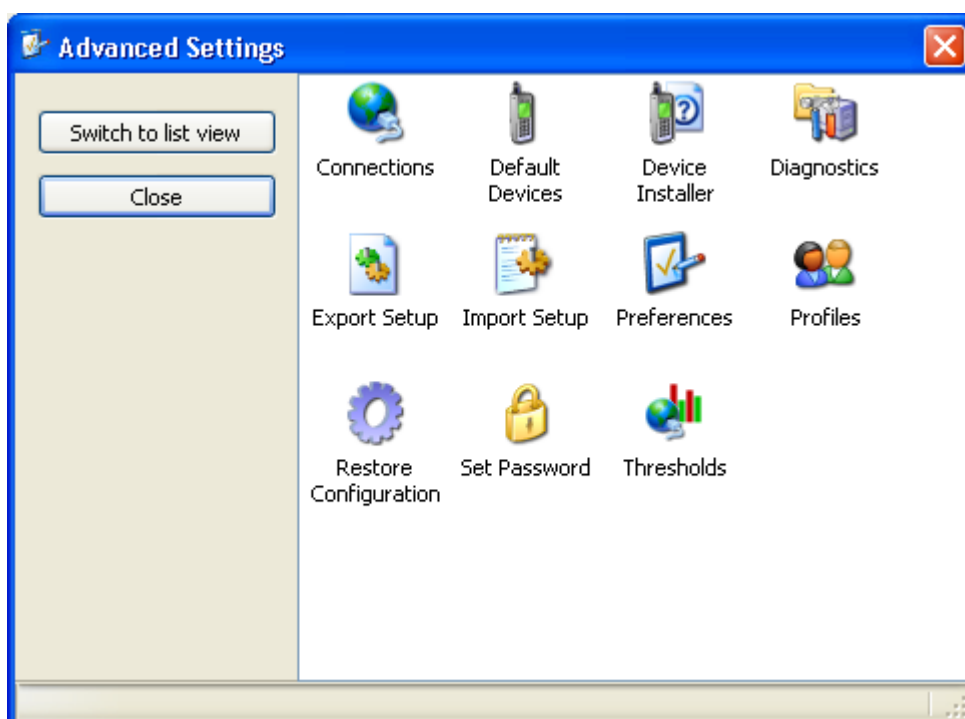
Under normal circumstances, each time a cellular device with a SIM card is inserted, you will be prompted to enter the PIN code. Until you have entered the correct PIN code, you will not be able to use the device. This option lets you disable and re-enable the PIN code on a PC card and, in the case of some devices, change the PIN code.



To modify the PIN code setting of a PC card:

- 1 Select **Options, Manage PIN Number** to open the PIN Management dialog.
- 2 To disable the PIN code, check **No PIN**, to enable it, check **Use PIN**.
- 3 If the fields **Current PIN**, **New PIN** and **Confirm PIN** are displayed then you can change the PIN code by entering the old PIN code in the **Current PIN** field and the new PIN code in both the **New PIN** and **Confirm PIN** fields.

3.6 Advanced Settings



Some of the **Advanced Settings** dialogs allow you to make changes that can affect the operation of the client, so you should be careful when using them, and only make changes in consultation with your system administrator or product support specialist. For the same reason, you may need to enter a password in order to access the **Advanced Settings** dialog. If this is the case, ask your system administrator or product support for the password.



The **Advanced Settings** dialog contains the following options:

- **Connections**
Displays the **Connections** dialog ([section](#)), which you can use to add, modify and delete connections. This dialog can also be accessed from the KPN Dashboard console's **Settings** menu.
- **Default Devices**
Displays the **Set Default Devices** dialog ([section](#)), which you can use to change KPN Dashboard's **default devices**. This dialog can also be accessed from the KPN Dashboard console's **Settings** menu.
- **Device Installer**
Displays the **Device Installer** wizard ([section](#)), which you can use to install new devices such as PC cards, USB devices, serial cable devices, Bluetooth devices or infra-red devices. This wizard can also be started from the KPN Dashboard console's **Settings** menu.
- **Diagnostics**
Displays the **Diagnostics** dialog ([section 3.6.1](#)), which provides access to a range of diagnostic information.
- **Export Setup**
Displays the **Export Setup** dialog ([section](#)), which lets you save your current KPN Dashboard configuration to file. This dialog can also be started from the KPN Dashboard console's **File** menu.
- **Import Setup**
Displays the **Import Setup** dialog ([section](#)), which lets you load an KPN Dashboard configuration from file. This dialog can also be started from the KPN Dashboard console's **File** menu.
- **Preferences**
Displays the **Preferences** dialog ([section 3.6.2](#)), which allows you to set various general application preferences.
- **Profiles**
Displays the **Profiles** dialog ([section](#)), which you can use to add, modify and delete profiles and set the **active profile**. This dialog can also be accessed from the KPN Dashboard console's **Settings** menu.
- **Restore Configuration**
Displays the **Restore Configuration** dialog ([section 3.6.3](#)), which lets you save and restore the KPN Dashboard configuration to an earlier state.



- **Set Password**

Displays the **Set Password** dialog (section 3.6.4), which lets you set password protection on the **Advanced Settings** dialog.

- **Thresholds**

Displays the **Thresholds** dialog (section 3.6.5), which allows you to place limits on your network usage.

3.6.1 Diagnostics

The **Diagnostics** dialog provides a range of diagnostic information, including a log file, general information about the PC on which the software is installed, plus hardware and software information relevant to the operation of **KPN Dashboard**. It also provides shortcuts to various Windows Control Panel tools that can be useful when troubleshooting.

The dialog contains three tab cards:

- **Diagnostics**

This tab contains general information about the system hardware and software. Of particular interest is the **Defect Analysis** option, which displays information about any PC card defects detected by web'n'walk Manager. Under normal circumstances, selecting this option does not display any information in the right-hand pane; information is only displayed there if an error has been detected. Should you have a problem and find information displayed by the **Defect Analysis** option, click on **Save** to save the information to disk and contact support.

- **Log**

This tab displays a log file describing recent connection manager activity.

- **Shortcuts**

This tab contains shortcuts to various useful Windows Control Panel tools. Note that any changes you make using these tools will have a system wide effect, and should therefore only be made on the advice of your system administrator or support personnel. Local administrative rights on the PC may be required to make changes.

The **Save** button saves the diagnostics information to disk.



3.6.2 Preferences

Selecting this option displays the **Preferences** dialog, which allows you to set a variety of general application preferences. It contains a number of tab cards, each containing a group of related parameters.

3.6.2.1 General Tab

This tab contains the following parameters:

Auto start

Check this option if you want KPN Dashboard to be automatically started after system boot.

Automatically select devices at start-up

Check this option if you want KPN Dashboard to automatically select devices on start-up.

View selection dialog if autoselection fails

Check this option if you want KPN Dashboard to display a device selection dialog if start-up device selection fails.

Automatically select default device at Plug and Play

Check this option if you want KPN Dashboard to automatically select the default device when a new device is inserted and recognized by the Windows Plug 'n' Play system.

View selection dialog if autoselection fails

Check this option if you want KPN Dashboard to display a device selection dialog if Plug and Play device selection fails.

Always autoselect inserted device

Check this option if you want KPN Dashboard to always automatically select new devices when they are inserted.

Auto scan for networks in active profile

Check this option if you want KPN Dashboard to periodically scan for the networks in the active profile.

Scan interval in minutes

Specify how often you want KPN Dashboard to scan for networks.



3.6.2.2 *Connect tab*

This tab contains the following parameters:

Automatically connect on application startup

Check this option if you want KPN Dashboard to automatically connect using the active profile as soon as it is started.

User confirmed disconnect

Check this option if you want KPN Dashboard to request confirmation before disconnecting from a network.

Connect retry

Select what you want KPN Dashboard to do when a connection attempt fails:

- ☐ **None**
Do nothing.
- ☐ **User Confirmed**
Display a prompt asking if you want to try again.
- ☐ **Automatic**
Try again automatically, without displaying a prompt.

Automatically reconnect on lost connection

Check this option If you want KPN Dashboard to automatically try reconnecting when connections are lost.

Connect interval in seconds

Specify how long you want KPN Dashboard to wait between reconnection attempts.

Max connect tries

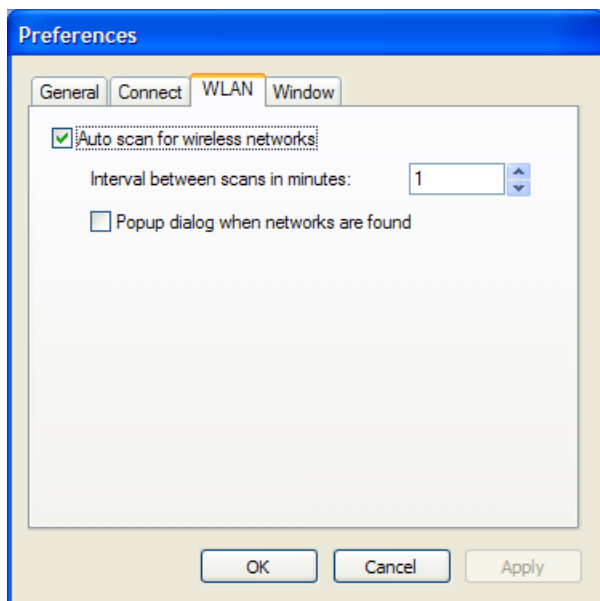
Specify the number of times you want KPN Dashboard to try to reconnect.

Unlimited connect tries

Check this option if you want KPN Dashboard to try to reconnect indefinitely.



3.6.2.3 WLAN tab



This tab contains the following parameters:

Auto scan for wireless networks

Check this option if you want KPN Dashboard to periodically search for new WLAN networks.

Intervals between scans in minutes

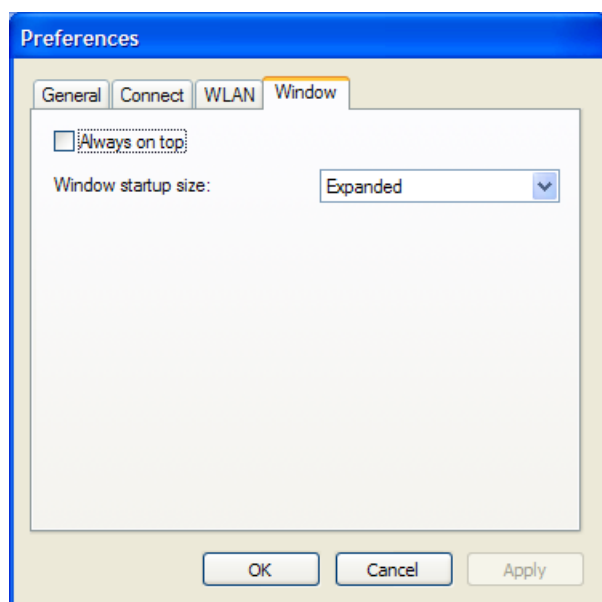
Specify how frequently you want to search for new WLAN networks.

Popup dialog when networks are found

Check this option if you want KPN Dashboard to display a dialog whenever a new network is discovered.



3.6.2.4 Window tab



This tab contains the following parameters:

Always on top

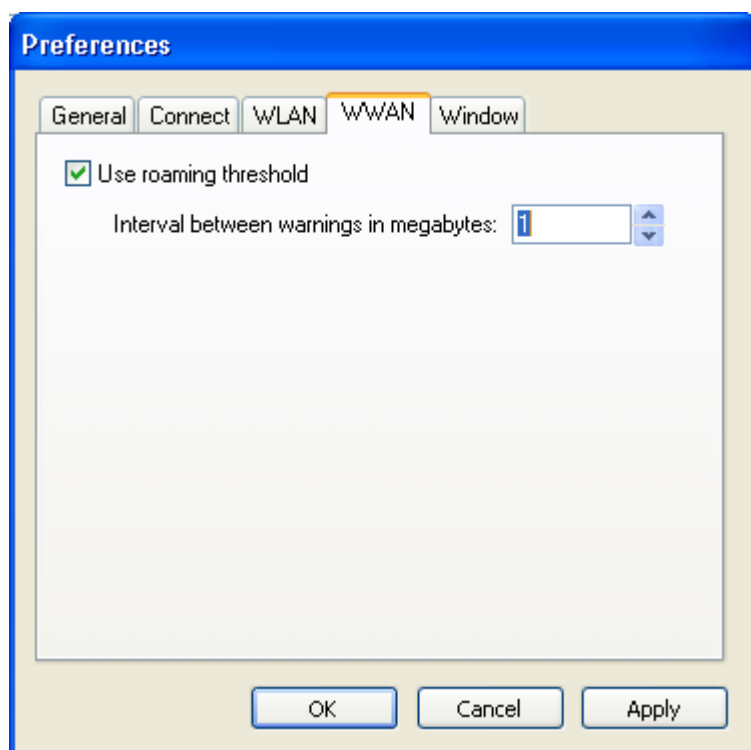
Check this option if you want KPN Dashboard window to be displayed on top of all other windows.

Window startup size

Select how you want KPN Dashboard window to be on start up: **expanded** or **minimized**.



3.6.2.5 WWAN tab



This tab contains the following parameters:

Use roaming threshold

Check this option if you want KPN Dashboard to warn you of your data usage while roaming. You can set the warnings to occur after 1 megabyte transferred or higher.



3.6.3 Restore Configuration

Name	Timestamp
------	-----------

This dialog lets you:

- Restore KPN Dashboard's original configuration or to restore other earlier configurations that you have saved by setting **restore points**.
- Set restore points in order to save a working configuration that you can easily return to.

This function is very useful if you are experimenting with a variety of set-ups. Before you start changing settings you can create a restore point to which you can easily return if your changes don't work as expected.

To create a restore point:

- 1 Enter a name in the **Restore point name** field.
- 2 Click on **Create**.

The new restore point is then added to the **Restore points** list.

To restore an earlier configuration:

- 1 Select the required restore point from the **Restore points** list.



- 2 Click on **Restore**.
- 3 Confirm your selection by clicking **Yes**.

To restore the original delivered configuration:

- 1 Click on **Restore default**.
- 2 Confirm your selection by clicking **Yes**.

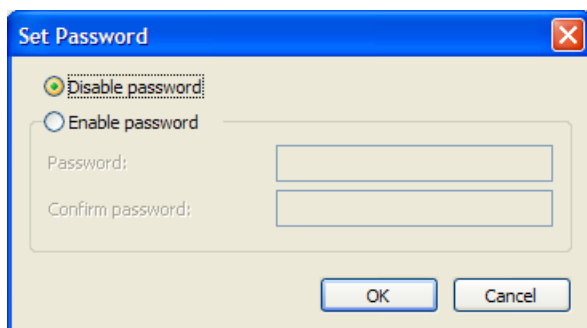
To restore the original delivered configuration:

- 1 Click on **Restore default**.
- 2 Confirm your selection by clicking **Yes**.

To delete a restore point:

- 1 Select the required restore point from the **Restore points** list.
- 2 Click on **Delete**.
- 3 Confirm your selection by clicking **Yes**.

3.6.4 Set Password



This dialog is normally used by a system administrator to prevent ordinary users from accessing advanced options in a configuration created for widespread distribution.

To set password protection:

- 1 Select **Enable password**.



- 2 Enter your password twice, in the **Password** and **Confirm password** fields.
- 3 Click on **OK**.

To remove password protection:

- 1 Select **Disable password**.
- 2 Click on **OK**.

3.6.5 Thresholds

You can use this dialog to limit the amount of time you are connected in a given period and/or the amount of data you transmit in a given period. You can set different limits for different bearers. When a specified threshold is reached, a message is displayed offering you the option of terminating your connection. Connections are not, however, forcibly terminated.

The specified thresholds apply to all traffic over a particular bearer, irrespective of the particular connections used. You can, however, also specify thresholds for particular connections.



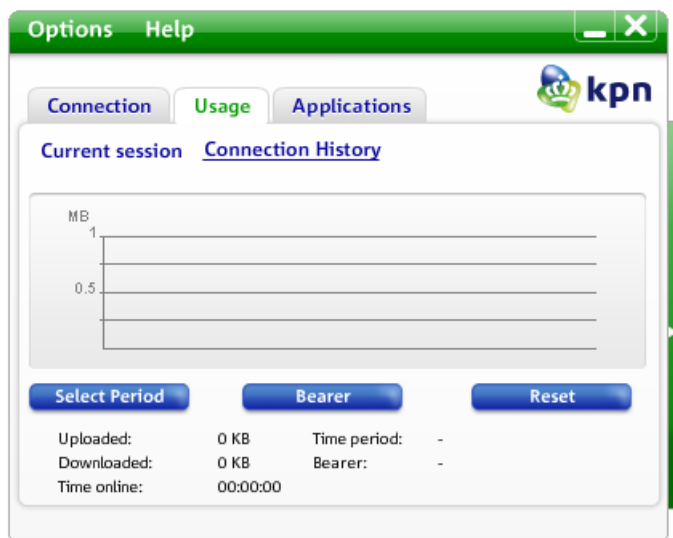
4 The Usage Tab

This menu contains the following options:

- **Connection History**
Select this option to display historical network usage information. The information is displayed in the KPN Dashboard console's status pane, replacing the usual status display. For details, see **section 4.1**.
- **Current Session**
Select this option to display network usage information for the current session. The information is displayed in the KPN Dashboard console's status pane, replacing the usual status display. For details, see **section 4.2**.



4.1 Connection History



The **Connection History** pane contains statistics regarding all traffic sent and received via KPN Dashboard during a selected period. It contains a bar graph showing the total traffic (upload and download) for each day during the selected period, for a selected bearer or all bearers.

You can select the time period and bearer you are interested in using buttons above the graph. The time period options are:

- ☐ Today
- ☐ This week
- ☐ Last 7 days
- ☐ Current month
- ☐ Last 30 days
- ☐ Previous month

The **Bearer** options are:

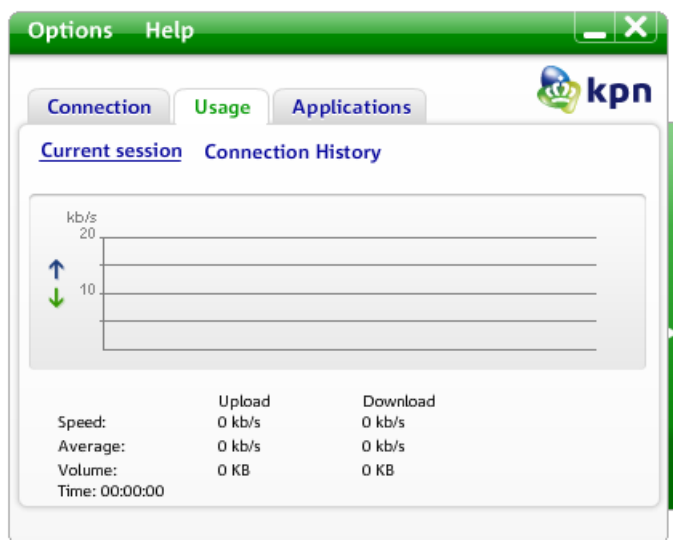
- ☐ All bearers
- ☐ WLAN



■ 3G

Click on the **Reset** button to reset the history function (that is, clear all currently stored historical data). Click on the **Back** button to redisplay the normal status pane.

4.2 Current Session



The **Current Session** pane contains a graph of the download speeds achieved during the current session, the duration of the current session, plus the following statistics for both upload and download traffic:

- Speed
- Volume
- Average speed

Click on the **Back** button to redisplay the normal status pane.



5 The Help Menu

The Help menu contains the following options:

- **Help**
Displays Help about KPN Dashboard.
- **About**
Displays copyright and version information about KPN Dashboard.
- **Update Now...**
Displays the **Update** dialog, which lets you check for and install the latest KPN Dashboard updates. See **section 5.1** for details.

5.1 Update

This dialog lets you check for KPN Dashboard updates. You will not normally need to use it, since KPN Dashboard incorporates an update agent that runs in the background and periodically checks for updates (see **section 9**). You may, however occasionally want to use it to get an update that you previously skipped downloading due to a slow connection. You can also use options in this dialog to control the behavior of the update agent.

The dialog contains the following options:



Turn on Automatic Update feature

This option switches the update agent on and off, and is selected by default. If you deselect it, then the agent is switched off and will not automatically check for updates. If you do this, then you will not receive any updates unless you explicitly check for them by selecting **Help -> Update Now**.

Download updates silently in background

This option determines what happens when updates are found. By default, the **Install Updates** dialog (**section 9**) is displayed, listing the updates that have been found and information about them. You can then choose to download and install all, some or none of them. If, however, you check this option, then all available updates downloaded in the background, and you are only informed when downloading is complete.

If you choose the option **Download updates silently in background**, then any updates found will be selected and downloaded silently in the background and KPN Dashboard will inform you when the download is finished.

You can select the files you want to download and install by clicking in the check boxes. Some files, however, may be marked as **mandatory**. It is not possible to de-select these files.

The **Snooze** button allows you to delay the update check. The update dialog will then reappear after the time interval specified in the **Click Snooze to re-check in** field.

Click **OK** to download and install the updates.

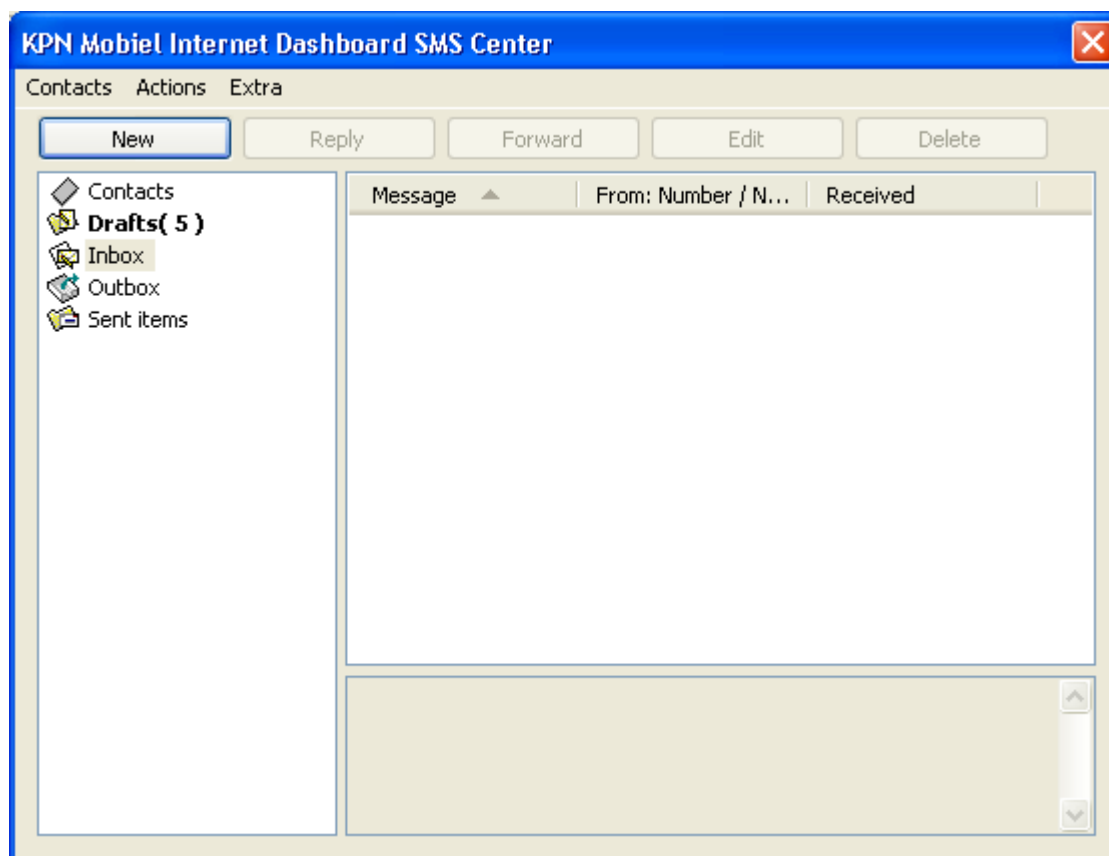


6 SMS/Text Messaging

KPN Dashboard includes a simple SMS (text messaging) application which you can start by clicking on the  button on the Connections tab or by clicking the SMS launch button from the Applications tab.

The application allows you to:

- Send, receive, reply to, forward and save messages
- Import/export contact details from/to the SIM card and also import contact details from Microsoft Outlook or a CSV file.
- Edit contact details



From the **Contacts** menu you can import or export contacts from/to the SIM card as well as import contacts from the MS Outlook Address book.

The **Actions** menu allows you to perform actions on the messages stored in the application's folders (see [section 6.1](#)), create personal folders and move messages between folders.

The **Extra** menu allows you to modify the application's parameter settings. Normally, the SMS application reads all the parameters it needs from the device SIM card. You should therefore not need to change these settings.

If you send a message when you are not connected to a network, then it is stored in the SMS application's **Drafts** folder. You can then send the message from the **Drafts** folder when a connection becomes available.



6.1 Messaging Functions

To send a message:

- 1 Click the **New** button.
- 2 Enter the recipient's mobile phone number in the **Phone number** field. If there are several recipients, separate the numbers with a semicolon (;). You can also select recipients from your **Contacts** list by clicking **To...**
- 3 Compose your message in the **Message** field and click **Send**.

To reply to a received message:

- 1 Open the message to which you want to reply and click **Reply**.
- 2 Compose your message in the **Message** field and click **Send**.

To forward a text message:

- 1 Open the message you want to forward and click **Forward**.
- 2 Enter the recipient's mobile phone number in the **Phone number** field. If there are several recipients, separate the numbers with a semicolon (;). You can also select recipients from your **Contacts** list by clicking **To...**
- 3 Compose your message in the **Message** field and click **Send**.

To delete a text message:

Select the message you want to delete and click **Delete**.

To save, edit or delete a text message draft:

- Save a composed text message draft in the **Drafts** folder by clicking **Save**.
- Edit a saved text message draft by opening it from the **Drafts** folder.
- Delete a saved text message draft by selecting it and then selecting **Actions, Delete**.

To add a contact:

- 1 Select **Contacts, New**.
- 2 Fill in the **Name** and **Phone number** fields.
- 3 Click **OK**.

To edit a contact:

- 1 Open the **Contacts** folder and select the contact you want to edit by double-clicking on it.



- 2 Make your changes in the **Name** and **Phone number** fields.
- 3 Click **OK**.

To delete a contact:

Open the **Contacts** folder and select a contact you want to remove by clicking **Delete** in the **Actions** menu.

- 1 Open the **Contacts** folder and select the contact you want to delete
- 2 Select **Actions, Delete**.

Importing and exporting contacts:

When you import contacts from any source, the contacts are merged with any existing contacts in the SMS application: if any duplicate contacts are found, you are asked which one you want to keep. This does not, however, happen when you export contacts; in this case existing contacts are simply overwritten. To merge existing SIM card contacts with contacts from other sources, therefore, you should do as follows:

- 1 Import contacts from the SIM card.
- 2 Import contacts from other sources and deal with any conflicts that arise.
- 3 Export the merged contact list back to the SIM card.

Changing SMS centre

You can change SMS center from the default one provided by your operator. This means that text messages will be routed via a different center. You change SMS center by selecting SMS Centers on the **Extra** menu in the Dashboard's SMS center.



7 The Applications Tab

KPN Dashboard is set up to launch third-party applications with the click of a button. There are several different types of applications that can be launched in this way, each of which is defined using a different set of parameters. This section describes the different application types. For descriptions of the various ways in which KPN Dashboard can be set up to launch applications, see **section** , **section 8** and **section** .

7.1 SMS

KPN Dashboard includes a simple SMS (text messaging) application which you can start by clicking on the  button on the Connections tab or by clicking the SMS launch button from the Applications tab. see **section**

7.2 Internet Browser

This icon is used start your default Internet browser.



7.3 Email Client

This type can be used to start your default email client.

7.4 VPN Client

The screenshot shows a 'Task Properties' dialog box with a blue title bar. Inside, the 'Name' field is set to 'VPN'. The 'Connection profile' dropdown is set to 'None'. The 'Launch application' checkbox is checked. The 'Type' dropdown is set to 'VPN client'. Below this is a 'VPN client parameters' section with a white background and a thin border. It contains the following fields: 'Client' (a dropdown menu with 'Cisco' selected), 'Username' (a text box), 'Password' (a text box), 'Confirm password' (a text box), and 'Profile name' (a text box). At the bottom of this section are two unchecked checkboxes: 'Use certificate' and 'Use certificate password'. At the bottom of the main dialog box are 'OK' and 'Cancel' buttons.

This application type can be used to start a supported VPN client. KPN Dashboard handles not only start-up of the VPN client, but also establishment and termination of a VPN tunnel.

You can specify the following parameters:

Client

The VPN client to use.

Username

The user name needed to log into the VPN.

**Password**

The password needed to log into the VPN.

Profile name

The name of the VPN client profile to use.

Use certificate

Check this option if your VPN is set up to use a certificate for authentication purposes.

Use Certificate Password

Check this option if the VPN authentication certificate requires a password.

For information about VPN client configuration, please refer to your VPN client manual or network administrator.

Please note the following:

- KPN Dashboard directly supports the following VPN clients: Microsoft, Cisco Systems, CheckPoint, SonicWALL and Nortel.
- KPN Dashboard does not monitor the status of an established VPN tunnel. You must use the VPN client's user interface for this purpose. KPN Dashboard will not give any warning if the VPN tunnel is terminated for any reason.



8 Connection Properties

When you select a connection for editing or add a new connection, the **Connection Properties** dialog is displayed. (If you are adding a new connection, then the dialog is called **Add Connection**, but the content is the same). The dialog contains two tabs, **General** and **Applications**. The **General** tab contains controls for setting usage thresholds. For information about usage thresholds, and advice on how to set these fields see **section 3.6.5**. The **Applications** tab lets you associate applications with the connection, so they are automatically launched when the connection is established. For further information about these settings, see **section 7**.

The **General** tab also contains a **Properties...** button. Clicking on this button displays a new bearer-specific settings dialog. This dialog contains a variable number of tabs depending on the connection type (bearer). These tabs are described in the following sections.



8.1 3G Tab

3G Bearer Settings

3G General Internet Protocol Proxy PPP Security

Access point name: fastinternet

PDP type: IP

OK Cancel

Access point name

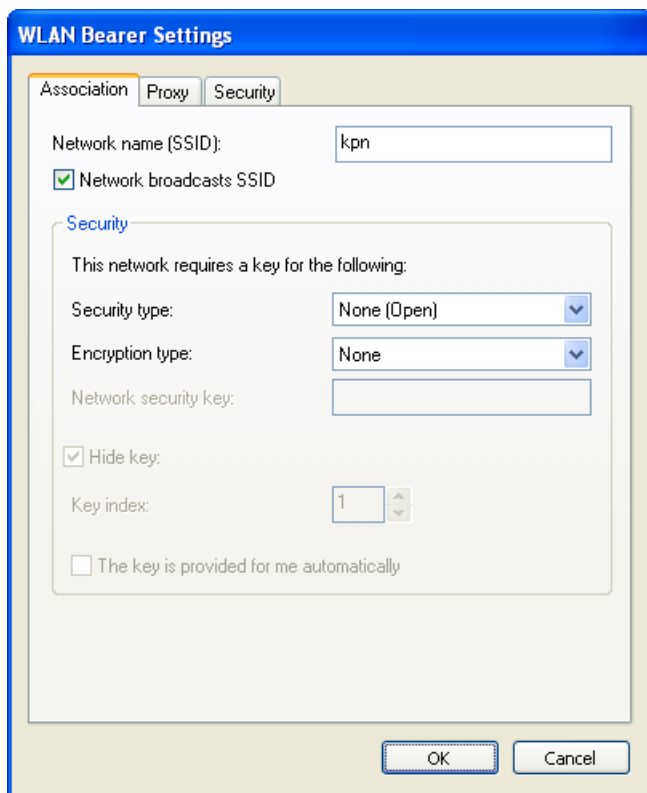
Enter the name of the access point to be used for 3G connections.

PDP type

Select either **IP** or **PPP**. Most terminals and networks only support **IP**.



8.2 Association tab



The image shows a 'WLAN Bearer Settings' dialog box with three tabs: 'Association', 'Proxy', and 'Security'. The 'Association' tab is active. It contains a text field for 'Network name (SSID)' with the value 'kpn'. Below it is a checked checkbox for 'Network broadcasts SSID'. A 'Security' section is expanded, showing a message: 'This network requires a key for the following:'. It includes a 'Security type' dropdown set to 'None (Open)', an 'Encryption type' dropdown set to 'None', and an empty 'Network security key' text field. There is also a checked 'Hide key' checkbox, a 'Key index' spinner set to '1', and an unchecked checkbox for 'The key is provided for me automatically'. 'OK' and 'Cancel' buttons are at the bottom right.

Network name (SSID)

Enter the SSID of the wireless network.

Network broadcasts SSID

Check this option if the wireless network broadcasts its SSID (is not a hidden network).

Security type

Select the security scheme used on this wireless network. For any selection other than **None (Open)**, you will need to fill in some or all of the remaining fields in the dialog. Any fields that are irrelevant for the option you select are disabled. If you have set up the wireless network yourself (i.e., at home), then the values you enter must match the corresponding entries in the wireless access point setup. For other networks, you must obtain the correct settings from the operator or network administrator.

**Encryption type**

Select the data encryption algorithm used by this wireless network. The options available in the list will vary according to the option you selected in the **Security type** field.

Network security key

Enter the encryption key required by the data encryption algorithm.

Hide key

Check this option if you do not want the security key you enter to be legibly displayed in the **Network security key** field.

Key index

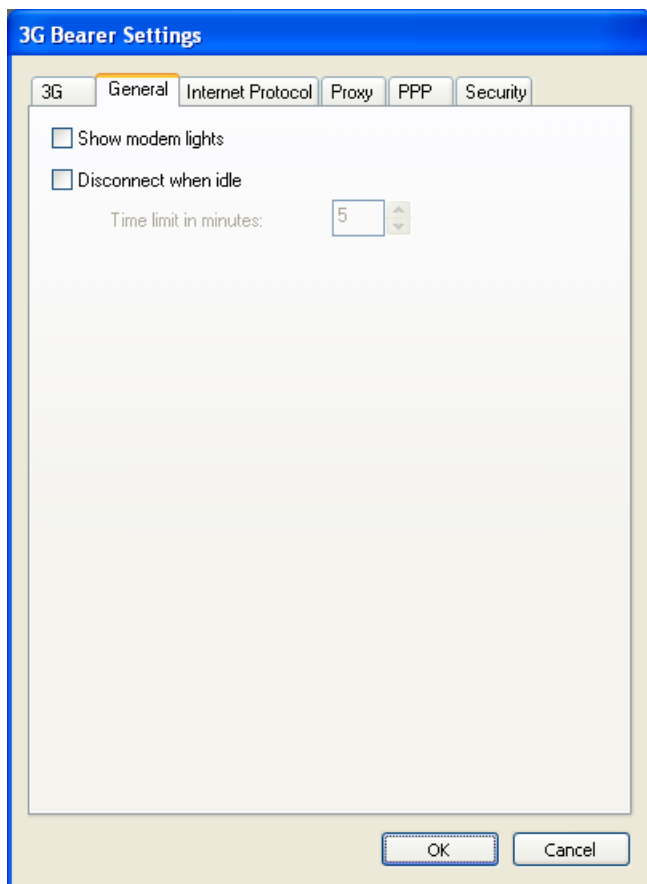
Enter the key index required for network authentication.

The key is provided for me automatically

Check this option if the network automatically supplies security keys.



8.3 General Tab



Show modem lights

Check this option if you want a connection icon to be displayed in the windows system tray, indicating that a connection has been established and providing access to connection status information.

Disconnect when idle

Check this option if you want the connection to be automatically disconnected when it is idle. You must then specify how long the connection is allowed to be idle before it is disconnected in the **Time limit in minutes** field.



8.4 Internet Protocol Tab

The screenshot shows the '3G Bearer Settings' dialog box with the 'Internet Protocol' tab selected. The dialog has tabs for '3G', 'General', 'Internet Protocol', 'Proxy', 'PPP', and 'Security'. The 'Internet Protocol' tab contains the following controls:

- A text box with the message: "You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings."
- Two radio buttons for IP address assignment:
 - ☒ Obtain an IP address automatically
 - ☐ Use the following IP address
- When 'Use the following IP address' is selected, there are three text boxes for:
 - IP address: 0 . 0 . 0 . 0
 - Subnet mask: 0 . 0 . 0 . 0
 - Default gateway: 0 . 0 . 0 . 0
- Two radio buttons for DNS server address assignment:
 - ☒ Obtain DNS server address automatically
 - ☐ Use the following DNS server address
- When 'Use the following DNS server address' is selected, there are four text boxes for:
 - Preferred DNS server: 0 . 0 . 0 . 0
 - Alternate DNS server: 0 . 0 . 0 . 0
 - Preferred WINS server:
 - Alternative WINS server:
- A text box for 'DNS Suffix:'
- 'OK' and 'Cancel' buttons at the bottom.

This tab contains the following controls:

Obtain an IP address automatically

Select this option if your network assigns IP addresses automatically from a DHCP or Radius server. This is usually the case, so if in doubt, choose this option.

Use the following IP address

Select this option if your network manager has supplied you with a fixed IP address. Enter the **IP address**, **Subnet mask** and **Default gateway** address supplied by your network manager.



Most networks support assigning IP and DNS address details automatically via either a DHCP or Radius server. In that case, the default settings for automatic assignment are recommended. In some cases, however it may be required to assign IP and DNS address information manually.

Obtain DNS server address automatically

Select this option if your network supplies a DNS server address automatically. This is usually the case, so if in doubt, choose this option.

Use the following DNS server address

Select this option if your network manager has supplied you with fixed DNS server addresses. Enter the supplied addresses in the **Preferred DNS server** and **Alternate DNS server** fields.

DNS Suffix

Enter a DNS suffix that will be appended to any unqualified host names used on this connection. If, for example, the user tries to access a host called "xyz" and a DNS suffix of "mycompany.com" has been specified, the host actually searched for will be "xyz.company.com". The suffix is only appended to unqualified host names (that is host names that do not already include a DNS suffix).

Preferred WINS server

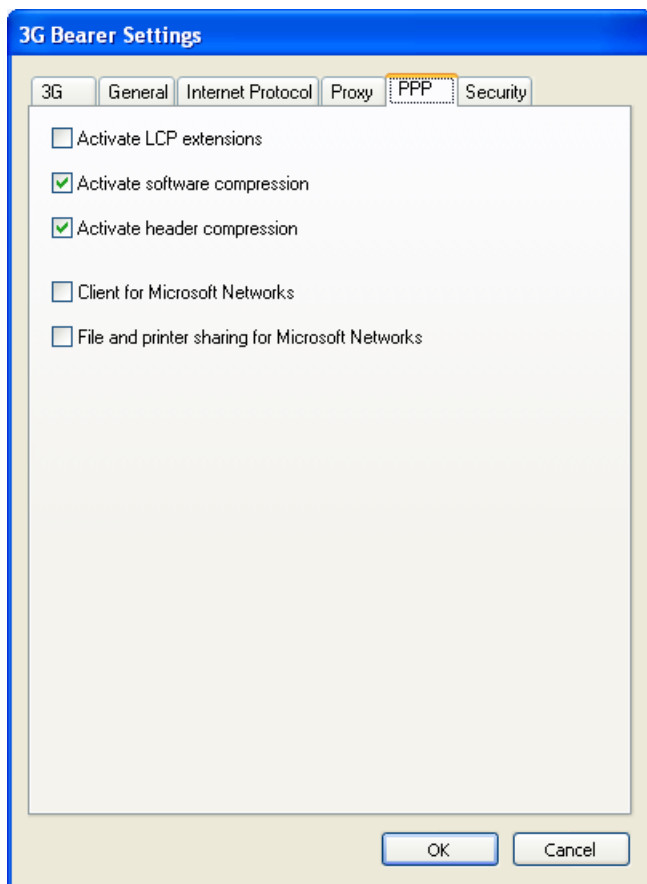
Enter the IP address of the preferred WINS server that is to be used for resolving NetBIOS names.

Alternative WINS server

Enter the IP address of an alternate WINS server that is to be used for resolving NetBIOS names, if the preferred WINS server is not available.



8.5 PPP Tab



This tab allows you to set PPP parameters and Microsoft networking options, should it be necessary to use non-default settings (to connect to a corporate network, for example). Please consult your network administrator or Windows Support Center if you need to configure these settings.



8.6 Proxy Tab

The screenshot shows the '3G Bearer Settings' dialog box with the 'Proxy' tab selected. The dialog has a blue title bar and a yellow background. It contains two main sections: 'Automatic configuration' and 'Proxy server'. In the 'Automatic configuration' section, the 'Automatically detect settings' checkbox is checked, while 'Override local proxy settings' and 'Use automatic configuration script' are unchecked. There is an 'Address:' label followed by a text input field. In the 'Proxy server' section, the 'Use a proxy server' checkbox is unchecked, and the 'Port' field is set to '0'. There is also an 'Address:' label followed by a text input field, and a 'Bypass proxy for local addresses' checkbox which is unchecked. An 'Advanced...' button is located at the bottom right of the 'Proxy server' section. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

This tab card contains two groups of parameters, **Automatic configuration** and **Proxy server**.

Automatic configuration

Override local proxy settings

Check this option if you want to override local proxy settings and specify a proxy server here. The **Proxy server** parameter group is then enabled.

Automatically detect settings

Check this option if you want proxy server settings to be automatically detected and configured on a per-connection basis.

Use automatic configuration script



Check this option if you want to use a PAC configuration script. You must then enter the URL of a server containing the script into the **Address** field. This option is useful in some corporate remote access scenarios.

Proxy server

Use a proxy server

Check this option if you want to use a proxy server for outgoing HTTP connections. You must then enter the IP address of the proxy server and the port number to use in the **Address** and **Port** fields.

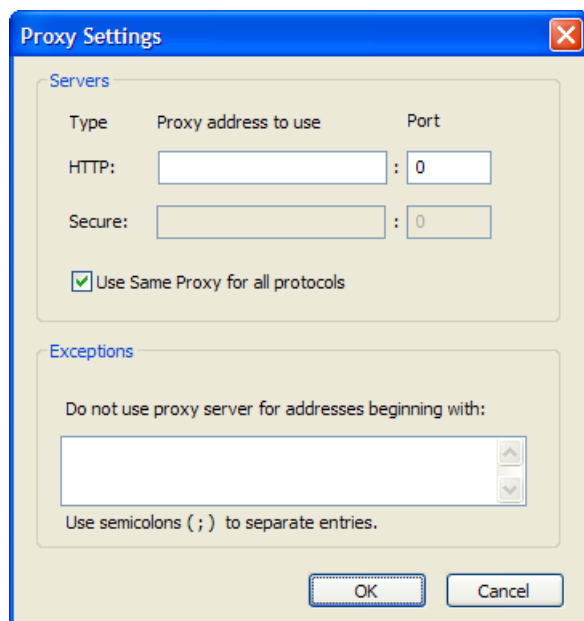
Bypass proxy server for local addresses

Check this option if you do not want to use the proxy server for internal HTTP traffic.

Advanced...

Click on this button to display the **Proxy Settings** dialog, which you can use to specify your use of proxy servers in more detail.

8.6.1 Proxy Settings



The image shows a Windows-style dialog box titled "Proxy Settings". It has a blue title bar with a close button (X) in the top right corner. The dialog is divided into two main sections: "Servers" and "Exceptions".

Servers section:

Type	Proxy address to use	Port
HTTP:		0
Secure:		0

Below the table is a checkbox labeled "Use Same Proxy for all protocols" which is checked.

Exceptions section:

Do not use proxy server for addresses beginning with:

Use semicolons (;) to separate entries.

At the bottom of the dialog are two buttons: "OK" and "Cancel".



You can use this dialog to specify different proxy servers for different types of traffic, and to prevent requests to certain domains from being routed via a proxy. It contains the following controls:

HTTP

These fields contain a copy of the address and port number entered into the **Address** and **Port** fields in the **Proxy** tab on the main bearer settings dialog. If you change the settings here, they will also be changed on the **Proxy** tab. By default this proxy address and port number will be used for all requests. If, however, you uncheck **Use same proxy for all protocols**, then they will only be used for ordinary HTTP requests.

Secure

If you uncheck **Use same proxy for all protocols**, then you will need to enter a proxy address and port number in these fields for use with secure HTTPS requests.

Use same proxy for all protocols

Uncheck this option if you want to use different proxy servers for HTTP and HTTPS requests.

Do not use proxy for addresses beginning with

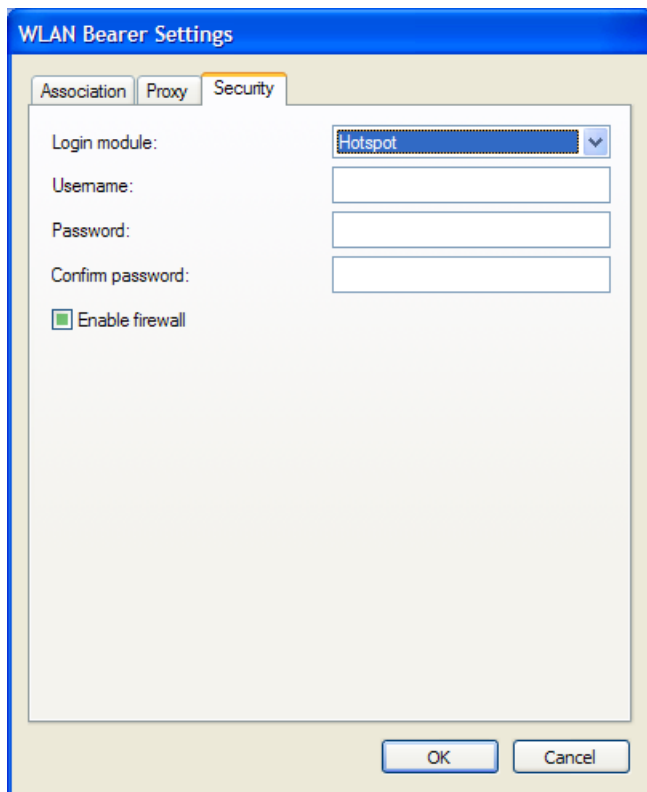
Enter the names of any domains for which you do not requests to be routed via a proxy. The domain names must be separated by semicolons (for example **www.mycompany.com;www.yourcompany.co.uk**).

8.7 Security Tab

The contents of the **Security** tab vary according to connection type.



8.7.1 LAN/WLAN Security



The image shows a screenshot of the 'WLAN Bearer Settings' dialog box, specifically the 'Security' tab. The dialog has three tabs: 'Association', 'Proxy', and 'Security'. The 'Security' tab is active. It contains the following controls:

- Login module:** A dropdown menu with 'Hotspot' selected.
- Username:** A text input field.
- Password:** A text input field.
- Confirm password:** A text input field.
- Enable firewall:** A checkbox that is currently checked.

At the bottom of the dialog are 'OK' and 'Cancel' buttons.

The **Security** tab for LAN and WLAN connections contains the following controls:

Login Module

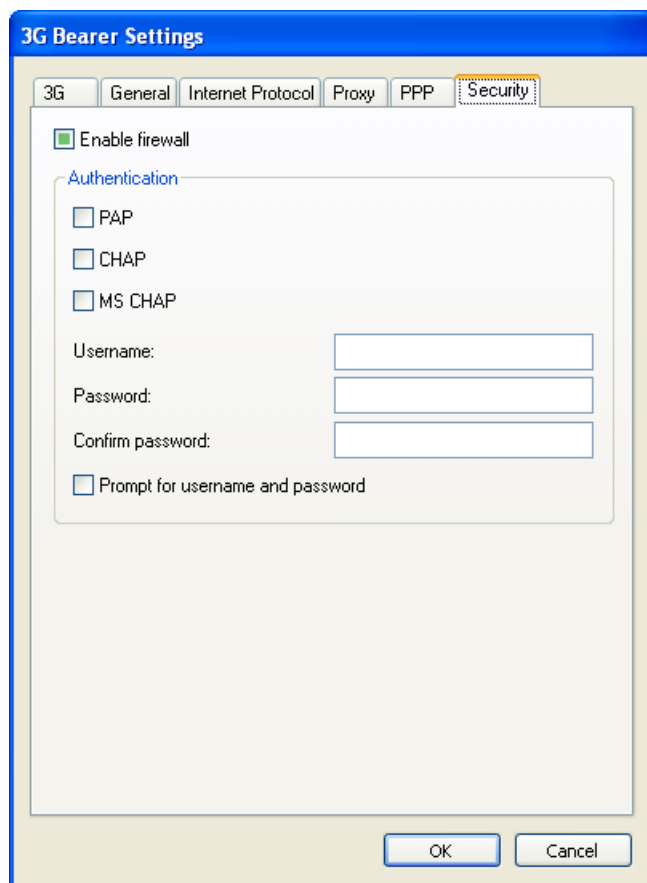
KPN Dashboard includes login modules that can automatically log in to certain kinds of WLAN hotspots for you. The different login modules support different hotspot login mechanisms. If this connection is to be used to connect to a hotspot with one of the supported login mechanisms, choose the appropriate module and enter your login credentials into the **Username**, **Password** and **Confirm Password** fields. If the connection is not to be used for connection to a hotspot, or if the hotspot's login mechanism is not supported, choose **None**. Your credentials are stored in encrypted form.

Enable firewall

This option is only available on the **Security** tab for WLAN connections, and only on Windows XP. Check it to enable the Windows XP firewall on the connection.



8.7.2 GPRS/3G Security



The **Security** tab for GPRS and 3G connections contains the following controls:

Enable firewall

This option is only available on Windows XP. Check it to enable the Windows XP firewall on the connection.

Authentication

Select the required authentication protocol (if any) from one of the displayed options:

- ☐ **PAP**
- ☐ **CHAP**
- ☐ **MS-CHAP**



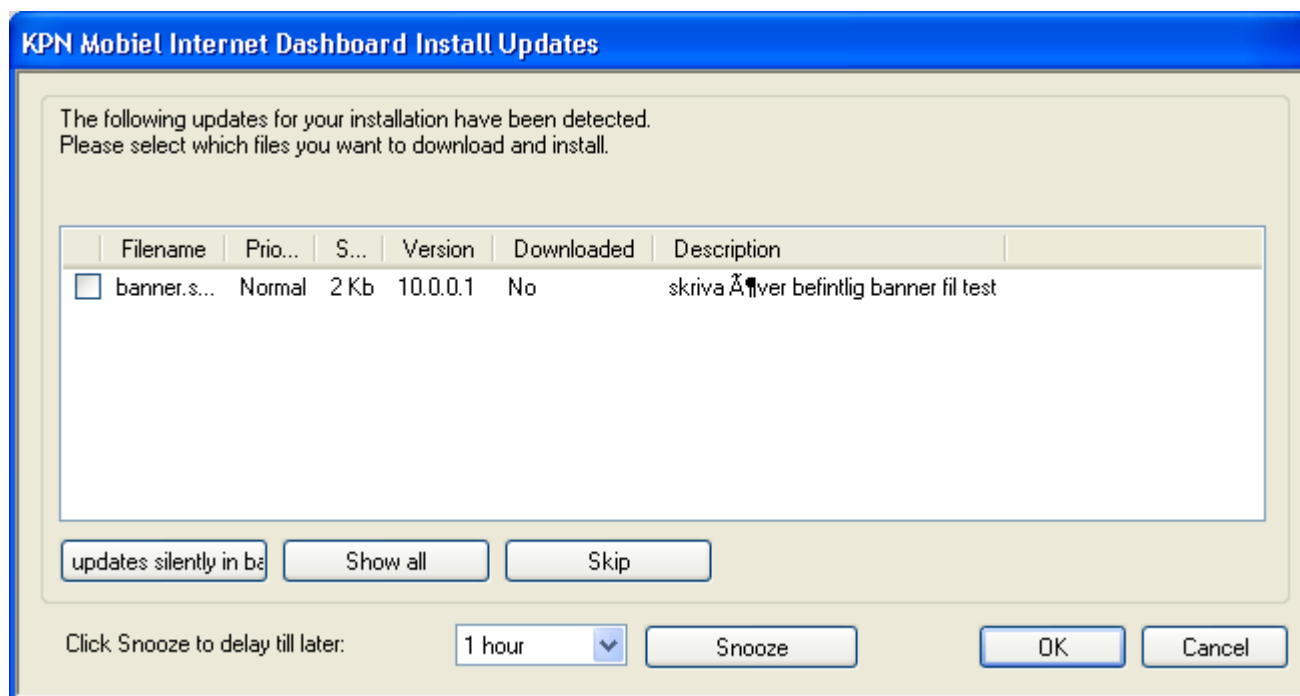
Your network manager or provider should tell you which of these options to select. If you select an authentication protocol, then you will need to:

- Either enter your login credentials into the **Username**, **Password** and **Confirm Password** fields. Your credentials are stored in encrypted form.
- Or check the **Prompt for username and password** option. You will then be required to enter your Username and password at connection time.



9 The Update Agent

KPN Dashboard incorporates an update agent that runs in the background and periodically contacts a server over the Internet to check for updates such as new versions of KPN Dashboard, device drivers or configuration files. If any updates are available, then the **Install Updates** dialog is displayed.



This dialog lists the available updates and allows you to choose what to do with them. It offers the following options:

Select All

Selects all the listed updates (checks the boxes on the left of the entries). You can also select individual entries yourself by checking these boxes).

Show All/Hide Skipped

This button determines what updates are included in the list. By default, any updates you have chosen to **Skip** are not displayed in the list. If you click on **Show All**, however, then skipped updates are displayed in italic. You can hide them again by clicking on **Hide Skipped**.

Skip

If you do not want to download and install all the updates, you can skip some by checking the boxes to the left of them and clicking this button. They will then either disappear from the list or be displayed in italic. Note that some updates are **mandatory**; that is, you are required to install them. They are checked, and disabled so that you cannot uncheck them. They are, however, not affected when you click **Skip**.



OK

Click on this button to download and install the selected updates. All the updates that are checked will be installed.

The update files can sometimes be large (several megabytes or more), so if you are currently using a slow network connection, it is a good idea to check the size before you start a download. If an update is large, then you may want to wait until you are connected via LAN or Wireless LAN before downloading it.

Cancel

Click on this button to cancel the update. No action will then be taken. Nothing will be downloaded or installed.

Snooze

Click on this button to put off the update until later. You can choose how long you want to put the update off for from the pull-down field on the right. When the selected time has elapsed, this dialog will be redisplayed.

By default, this dialog is displayed whenever updates become available, but you can modify this behavior using the **Update** dialog ([section 5.1](#)).

What the Skip Button Does

You can avoid installing a particular update in two ways:

- 1 You can not select it before you press **OK**.
- 2 You can use the **Skip** function to hide it.

The difference between them is that method 1 skips installing it **just this time**, whereas method 2 marks the update as "not to be installed". So the next time the **Install Updates** dialog is displayed, an update that was skipped using method 1 will appear in the list again, ready for you to install it, but an update that was skipped using method 2 will not.

You can at any time change your mind and install an update that you have previously hidden using the **Skip** function. To do this, click on **Show All** to show the skipped updates, and then check the box on the left of the update you want to install. This both removes the "skip" marker from the update and selects it for installation.



Glossary of Terms

802.11b/g

The most commonly-used **wireless LAN** standards.

application launch button

A button in the KPN Dashboard console that both launches a network-dependent application and establishes the network connection it needs. The application is not launched until the network connection has been established.

bearer

A general term for various network technologies used to provide a network connection: **HSDPA**, **UMTS (3G)**, **GPRS (2.5G)**, **EDGE (3G)**, Dial-up (**GSM Data**), **HSCSD**, **Wi-Fi**, **LAN**.

Bluetooth

A short-range radio technology supporting communication between digital devices.

connection

This term can be used to mean the set of parameters required to establish an Internet connection. It consists of a **bearer** type selection plus all the additional parameters required to establish a connection over the selected bearer.

**default device**

There may be several **devices** installed on a PC, each supporting one or more **bearers**. Therefore, a default device is automatically selected for each bearer. This device is then used when a connection is established over that bearer.

device

A general term for the piece of wireless/mobile hardware used to connection your PC to the Internet. It can be a built-in or removeable **Wi-Fi** adapter, a cellular network PC card (the kind you slot into a bay on your PC), PC express card, USB stick or a cellular device embedded into your PC or a mobile phone connected to your PC via a serial cable, USB cable, infra-red connection or **Bluetooth** connection

DHCP

See **Dynamic Host Configuration Protocol**.

DNS

See **Domain Name System**.

Domain Name System (DNS)

A distributed Internet directory service. DNS is used mostly to translate between domain names and IP addresses, and to control Internet email delivery.

Dynamic Host Configuration Protocol (DHCP)

A protocol for automating the configuration of computers in an IP network.

EDGE

See **Enhanced Data for GSM Evolution**.

Enhanced Data for GSM Evolution (EDGE)

A **GSM**-based wireless service that can deliver data at rates of up to 384 Kbps, enabling the delivery of multimedia etc.

General Packet Radio Service (GPRS)

A cellular network technology offering higher capacity data transfer than ordinary **GSM** connections. GPRS connections are charged based on the amount of data transferred rather than on call duration and can therefore be permanently connected without incurring costs.

**Global System for Mobile Communication (GSM)**

The cellular telephone standard most commonly used in Europe and Japan. It is not widely used in the US.

GPRS

See **General Packet Radio Service**.

GSM

See **Global System for Mobile Communication**.

High-Speed Circuit-Switched Data (HSCSD)

A circuit-switched data transmission mechanism that provides improved data transfer rates over **GSM** networks.

High-Speed Downlink Packet Access (HSDPA)

A packet-based protocol used in **UMTS** networks to speed up transfer rates. It provides much faster download speeds than basic UMTS, thus improving the delivery of multimedia etc. over mobile networks.

HSCSD

See **High-Speed Circuit-Switched Data**.

HSDPA

See **High-Speed Downlink Packet Access**.

HTTP

See **Hyper Text Transfer Protocol**.

HTTPS

See **Hyper Text Transfer Protocol Secure sockets**.

Hyper Text Transfer Protocol (HTTP)

The main protocol governing the interaction between web servers and clients (browsers).

Hyper Text Transfer Protocol Secure sockets (HTTPS)

A protocol for secure transmission of private documents over the Internet.

Internet Protocol (IP)

The basic protocol governing exchange of data between computers across the Internet.

**IP**

See **Internet Protocol**.

IP address

A numerical address with the form nnn.nnn.nnn.nnn, used to uniquely identify a host computer within an **IP** network.

LAN

See **local area network**.

local area network (LAN)

A high capacity network covering a small geographical area.

profile

A list of **connections** ordered by preference. You can define several profiles for use in different contexts (different locations, for example), one of which is marked as the active profile. When you connect to the Internet using KPN Dashboard, it tries to connect using one of the connections in the active profile, starting with the first in the list.

Service Set Identification (SSID)

An identifier or name that uniquely identifies a **WLAN**

SSID

See **Service Set Identification**.

UMTS

See **Universal Mobile Telecommunications System**.

Universal Mobile Telecommunications System (UMTS)

A third-generation (3G) mobile or cellular phone technology providing high speed data connections.

virtual private network (VPN)

A private network established within the public Internet, protected from eavesdropping by means of encryption.

VPN

See **virtual private network**.

**VPN client**

A component of a **virtual private network**. A VPN client is a program residing in a computer or other network device that maintains an encrypted tunnel through the Internet from the network device to a **VPN gateway**. It encrypts all outgoing messages to the gateway and decrypts all incoming messages from the gateway.

VPN gateway

A component of a **virtual private network**. A VPN gateway is a program or device located on the periphery of a secure network such as an intranet that can provide encrypted "tunnels" into the intranet from **VPN clients** in remote locations. It encrypts all outgoing messages to VPN clients and decrypts all incoming messages from VPN clients.

VPN tunnel

The connection between a **VPN client** and a **VPN gateway**, through which encrypted data is exchanged.

Wi-Fi

See **Wireless Fidelity**.

Wireless Fidelity (Wi-Fi)

A commonly-used name for 802.11b/g-based **wireless LAN** technology.

wireless LAN (WLAN)

A high capacity wireless network covering a small geographical area.

wireless WAN (WWAN)

A wireless network covering a large geographical area; a generic term for network technologies such as **GPRS** and **UMTS**.

WLAN

See **wireless LAN**.

WWAN

See **wireless WAN**.



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