

GPRS/EDGE

GPRS/EDGE technology provides a connection to the Mobile Phone Network that can be used for Web browsing, MMS messaging, or accessing your corporate network.

 **NOTE:** EDGE is an enhancement to GPRS technology and enables higher speed data connections than GPRS. This means faster phone multimedia capabilities such as sending and receiving SMS/MMS messages, and sharing video clips. Check with your service provider to see if they support EDGE technology. If your service provider does not support the EDGE network, the HP iPAQ defaults to GPRS.

Differences between GSM and GPRS/EDGE/WCDMA/HSDPA technology

GSM technology is typically used for voice calls and text messaging, whereas GPRS/EDGE/WCDMA/HSDPA technology provides a data connection to the Mobile Phone Network that can be used for Web browsing, Multimedia Messaging Service (MMS), or accessing your corporate network.

 **NOTE:** Using GPRS/EDGE/WCDMA/HSDPA data services are typically an additional charge to your standard mobile phone service. Check with your mobile phone service provider for data services and cost.

Configure GPRS network settings

The first time you use your SIM card, **HP iPAQ DataConnect** automatically detects the phone network and operator and sets up the GPRS connection information for you. However, if your mobile phone service providers offer different subscription types, then **HP iPAQ DataConnect** will show a window on your screen that list the different subscriptions available. You need to select your subscription and tap **Select** for **HP iPAQ DataConnect** to automatically set up the mobile network connection parameters. In any case, you can change these settings to suit your preference or create your own network settings.

To configure GPRS network settings:

1. Tap **Start > Settings > Connections > HP iPAQ DataConnect**.
2. Select your country from the **Country** drop-down list.
3. If your operator name displays in the **Operator** drop-down list, it is recommended that you use that connection and, if needed, edit the default settings.
4. Tap **Select** to confirm your settings.

Edit an Internet connection

To edit an Internet connection:

1. Tap **Start > Settings > Connections > Connections > Advanced > Select Networks**.
2. Select the **iPAQ GPRS** option from the **Programs that automatically connect to the Internet should connect using** list.
3. Tap **Edit... > Modem**.
4. Select the required ISP from the displayed list and tap **Edit...**
5. Enter a service provider name in the **Enter a name for the connection** box, and then tap **Next**.
6. Enter an access point name of the server to which you are attempting to connect in the **Access point name** box and tap **Next**.
7. Enter the user name and password.

8. Enter a domain name if provided by your ISP.
9. Tap **Finish**.

Alternatively, you can also follow the steps given below to create a new Internet connection:

1. Tap **Start > Settings > Connections > Connections > Advanced > Select Networks**.
2. Under **Programs that automatically connect to the Internet should connect using**, tap **New... > General**.
3. Enter a name for the settings. This name is for your reference.
4. Tap **Modem > New...**
5. Enter a service provider name in the **Enter a name for the connection** box.
6. Select the appropriate modem from the **Select a modem** list.

To configure settings using a telephone number:

- a. Select the **Cellular Line** option from the **Select a modem** list.
- b. Tap **Next**.
- c. Enter a telephone number in the text box, and then tap **Next**.

To configure settings using access points:

- a. Select the **Cellular Line (GPRS, 3G)** option from the **Select a modem** list.
 - b. Tap **Next**.
 - c. Enter an access point name of the server to which you are attempting to connect in the **Access point name** box, and then tap **Next**.
7. Enter the user name and password.
 8. Enter a domain name if provided by your ISP.
 9. Tap **Finish**.

Edit MMS settings

To edit an MMS connection:

1. Tap **Start > Settings > Connections > Connections > Advanced > Select Networks**.
2. Select the **iPAQ MMS** option from the **Programs that automatically connect to the Internet should connect using** list.
3. Tap **Edit... > Modem**.
4. Select the required ISP from the displayed list, and then tap **Edit...**
5. Enter a service provider name in the **Enter a name for the connection** box and tap **Next**.
6. Enter an access point name of the server to which you are attempting to connect in the **Access point name** box and tap **Next**.
7. Enter the user name and password.
8. Enter a domain name if provided by your ISP.
9. Tap **Finish**.

Alternatively, you can also follow the steps given below to create a new MMS connection:

1. Tap **Start > Settings > Connections > Connections > Advanced > Select Networks**.
2. Under **Programs that automatically connect to the Internet should connect using**, tap **New... > General**.
3. Enter a name for the settings. This name is for your reference.
4. Tap **Modem > New...**
5. Enter a service provider name in the **Enter a name for the connection** box.
6. Select the appropriate modem from the **Select a modem** list.
To configure settings using a telephone number:
 - a. Select the **Cellular Line** option from the **Select a modem** list.
 - b. Tap **Next**.
 - c. Enter a telephone number in the text box, and then tap **Next**.
 To configure settings using access points:
 - a. Select the **Cellular Line (GPRS, 3G)** option from the **Select a modem** list.
 - b. Tap **Next**.
 - c. Enter an access point name of the server to which you are attempting to connect in the **Access point name** box, and then tap **Next**.
7. Enter the user name and password.
8. Enter a domain name if provided by your ISP.
9. Tap **Finish**.

Edit WAP information settings

To edit a WAP connection:

1. Tap **Start > Settings > Connections > Connections > Advanced > Select Networks**.
2. Select the **iPAQ WAP** option from the **Programs that automatically connect to the Internet should connect using** list.
3. Tap **Edit... > Modem**.
4. Select the required ISP from the displayed list and tap **Edit...**
5. Enter a service provider name in the **Enter a name for the connection** box, and then tap **Next**.
6. Enter an access point name of the server to which you are attempting to connect in the **Access point name** box and tap **Next**.
7. Enter the user name and password.
8. Enter a domain name if provided by your ISP.
9. Tap **Finish**.

Alternatively, you can also follow the steps given below to create a new WAP connection:

1. Tap **Start > Settings > Connections > Connections > Advanced > Select Networks**.
2. Under **Programs that automatically connect to the Internet should connect using**, tap **New... > General**.

3. Enter a name for the settings. This name is for your reference.
4. Tap **Modem > New...**
5. Enter a service provider name in the **Enter a name for the connection** box.
6. Select the appropriate modem from the **Select a modem** list.

To configure settings using a telephone number:

- a. Select the **Cellular Line** option from the **Select a modem** list.
- b. Tap **Next**.
- c. Enter a telephone number in the text box, and then tap **Next**.

To configure settings using access points:

- a. Select the **Cellular Line (GPRS, 3G)** option from the **Select a modem** list.
- b. Tap **Next**.
- c. Enter an access point name of the server to which you are attempting to connect in the **Access point name** box, and then tap **Next**.

7. Enter the user name and password.
8. Enter a domain name if provided by your ISP.
9. Tap **Finish**.

Troubleshoot automatic detection

If the automatic detection setting fails, complete one or more of the following items:

- Check to see if the SIM card is present in the HP iPAQ. If it is not present, insert the SIM card and relaunch the application.
- Ensure that the metal contacts on your SIM card and your SIM slot are not covered with a residue or dust that would inhibit a connection.
- In the **HP iPAQ DataConnect** application, select the appropriate country and operator name, and then tap **ok**. The settings automatically update.

Advanced settings

Connect to intranet URLs

To connect to intranet sites that have periods in their URLs (for example, intranet.companyname.com), add them to the **Work URL Exceptions** list.

To connect to intranet URLs:

1. Tap **Start > Settings > Connections > Connections > Advanced > Exceptions...**
2. Tap **Add new URL...**
3. In **Work URL**, enter the intranet URL.
4. Tap **ok**.

 **NOTE:** If you use many URLs that share the same root company name, you can avoid entering them individually by entering ***.companyname.com**.

Change an intranet URL

To change an intranet URL:

1. Tap **Start > Settings > Connections > Connections > Advanced > Exceptions...**
2. Tap the intranet URL exception you want to change, then make the required changes.
3. Tap **ok**.

 **NOTE:** To delete a work URL exception, tap and hold it in the list, then tap **Delete**.

Set up an automatic choice for connections

If you have already created more than one connection, you can set up your HP iPAQ to connect to the best available connection automatically.

To set up an automatic choice for connections:

1. Tap **Start > Settings > Connections > Connections > Tasks**.
2. Under **My ISP** or **My Work Network**, tap **Add a new modem connection** to create a new connection.
3. After you create a new connection, under **My ISP** or **My Work Network**, tap **Manage existing connections**.
4. Tap **Auto pick**.

 **NOTE:** For **Auto pick** option to be available, you need more than one connection.

5. Tap **ok**.

Set up a WAP gateway

To access Wireless Access Point (WAP) sites through Pocket Internet Explorer, configure your HP iPAQ to use a WAP gateway.

Before you begin, obtain the following information from your ISP or network administrator:

- User name
- Password
- ISP server phone number
- WAP gateway server IP
- Port number

To set up a WAP gateway:

1. Tap **Start > Settings > Connections > Connections > Advanced > Select Networks > Edit...** to edit **iPAQ WAP** from the **Programs that automatically connect to the Internet should connect using** list. If a proxy server has not been set up, tap **New...**
2. On the **Proxy Settings** tab, select the **This network connects to the Internet** and **This network uses a proxy server to connect to the Internet** check boxes.
3. If necessary, enter the proxy server name in the **Proxy server** box.
4. Tap **Advanced > WAP**.

5. In the **Server** box, enter the WAP gateway server name. Under **Port**, enter the port number. The most common WAP port number is 9201.
6. Enter any logon credentials required by the WAP gateway server.

Configure advanced proxy settings

To configure advanced proxy settings:

1. Tap **Start > Settings > Connections > Connections > Advanced > Select Networks > Edit...** to edit **iPAQ WAP** from the **Programs that automatically connect to the Internet should connect using** list. If a proxy server has not been set up, tap **New...**
2. On the **Proxy Settings** tab, select the **This network connects to the Internet** and **This network uses a proxy server to connect to the Internet** check boxes.
3. If necessary, enter the proxy server name in the **Proxy server** box.
4. For the appropriate server type, enter the proxy server name and port.
5. If necessary, enter the credentials for connecting with your proxy server.
6. Tap **Advanced > Socks**.
7. Select **Socks 4** or **Socks 5**. If using Socks 5, enter the credentials for connecting with your proxy server.

Advanced connection settings

To set up advanced connections:

1. To connect to a network, tap **Start > Settings > Connections > Connections > Advanced > Select Networks**.
2. Select **My ISP** to connect to the Internet through an ISP or select **My Work Network** to connect to a company network. Select **My Work Network** if the network requires a proxy server. If you need to change or create a new network management name, tap **Edit...** or **New...**, and then tap **ok**.
3. On the **Connections** screen, tap **Advanced > Dialing Rules...**
4. To avoid creating a new connection for each location, select the **Use dialing rules** check box.
 **NOTE:** You can edit a dialing rule by tapping **Edit** on the **Dialing Rules** screen. To do so, enter details such as **Name**, **Country code**, and **Area code**.
5. To create URL exceptions, on the **Connections** screen tap **Exceptions... > Add new URL**, enter the URL, and tap **ok**.

Set up a VPN server connection

A VPN connection helps you to securely connect to servers, such as a corporate network, via the Internet.

Before you begin, obtain the following information from your network administrator:

- User name
- Password
- Domain name

- TCP/IP settings
- Host name or IP address of the VPN server

To set up a VPN server connection:

1. Tap **Start > Settings > Connections > Connections > Tasks**.
2. Under **My Work Network**, tap **Add a new VPN server connection** and follow the instructions in the New Connection wizard.
3. Under most circumstances, you should not change any advanced settings. However, you need to change advanced settings when:
 - The server to which you are connecting does not use dynamically-assigned addresses, and you need to enter your TCP/IP settings.
 - You need to change server DNS or WINS settings.

If either of these circumstances applies, from the **My VPN** screen, tap **Advanced** and fill in the appropriate information. Tap **ok** to save the changes and return to the **My VPN** screen.
4. To view additional information for any screen in the wizard or while changing settings, tap **Help**.

Change a connection group name

Your HP iPAQ is already set up with two groups of connection settings: **My ISP** and **My Work Network**. You can also change the name of these groups. For example, if you put all of your corporate settings under **My Work Network Connections**, you can change the name to your company's name.

To change a connection group name:

1. Tap **Start > Settings > Connections > Connections**.
2. Under **My ISP** or **My Work Network**, tap **Add a new modem connection** to create a new connection.
3. After you create a new connection, under **My ISP** or **My Work Network**, tap **Manage existing connections**.
4. Tap **General**.
5. Enter a name for the settings group and tap **ok**.

End a connection

It is advised that you disconnect active connections on your HP iPAQ when not in use. This can save connection charges.

- When connected via cable, detach your HP iPAQ from the cable.
- When connected via Bluetooth, tap **Start > Settings > Connections > Wireless Manager**. Next, tap **Bluetooth** to turn Bluetooth off.

15 Google

Google Maps™ for mobile

Google Maps is a free mapping application provided by Google that powers many map-based services. It offers street maps, a route planner, and an urban business locator for numerous countries around the world.

 **NOTE:** Google offers maps for mobile for free, but mobile service providers might charge data-service rates for downloading and using the application with a limited data plan or no data plan. Contact your mobile service provider for more details.

Google Maps includes the following features to help you enhance your travel experience:

- **Real-time traffic** – Identify the location where congestion exists and estimate delays in over 30 major US metropolitan areas.
- **Detailed directions** – Display maps with step-by-step directions whether you plan to walk or drive.
- **Integrated search results** – Display local business locations and contact information all in one place, integrated on your map.
- **Easily movable maps** – Enable you to zoom in or out maps, and move in all directions so you can orient yourself visually.
- **Satellite imagery** – Get a bird's eye view of your desired location.

To launch Google Maps:

1. Tap **Start > Google Maps**.
2. In the **Terms and Conditions** screen, tap **Accept**.
3. In the **About** screen, tap **ok**.

To navigate Google Maps:

1. Tap **Start > Google Maps**.
2. Tap **Menu > Directions...**
3. Enter your current location in the **From location** box and destination in the **To location** box.
4. Tap **ok** to start the search.

 **NOTE:** For more information, tap **Start > Google Maps > Menu > Help > Tips**.

Google Search

Google Mobile Web Search allows you to search for Web sites that are specifically designed for mobile phones and devices.

Launch Google Search

To launch Google Search:

1. Tap **Start > Google Search**.
2. Enter your search criteria in the **Search** box.
3. Tap **Search** to start the search.

 **NOTE:** Using this application might drain the battery quickly.

16 Using Global Positioning System (GPS) on your HP iPAQ

You can use your HP iPAQ to connect to GPS satellites and determine your exact location on the Earth. You can also download maps from the Internet, to help you navigate from one location to another.

1. Set up the HP iPAQ.
2. Verify you have Internet access on your HP iPAQ by visiting a Web site such as <http://www.hp.com>.
3. Verify the correct date and time on your HP iPAQ.
4. Go to the location where the GPS Map is stored (ie On Device or Memory Card) and launch the navigation application.

 **NOTE:** Please refer to the detailed instructions from the navigation software vendor on how to use the navigation application, as it varies from country/region.

It is recommended that you download all GPS maps to a memory card that is compatible with your specific HP iPAQ. This prevents you from losing your map data due to a possible power loss or a need to perform a clean reset on the HP iPAQ.

 **WARNING!** When using hardware and software navigation aids, in a vehicle or elsewhere, it is your sole responsibility to place, secure, and use these aids in a manner that will not cause accidents, personal injury, property damage, or obstruct your view. You are solely responsible for observing safe driving practices. Do not operate this product while driving. Park the vehicle first. The HP iPAQ GPS navigation solution is intended for automotive use only.

If you are going to use GPS navigation in your vehicle for an extended period of time, charge your HP iPAQ using an Auto adapter.

Common reasons for interference when using GPS software:

Interference Type	How to Avoid
Vehicles with thermal glass windows and windshields.	Place the HP iPAQ where there is a clear view of the sky or on the dashboard of a vehicle that does not have thermal glass windows.
Equipment radiating Radio Frequency (RF) energy or emitting strong electromagnetic radiation. For example, microwave ovens, high-power cordless phones, CB radios, Walkie-talkies, HAM equipment, or X-ray and MRI machines.	Move away from interference source or switch off the interference source.
Tall buildings, large trees, and very cloudy or overcast skies.	Move away from interference source so there is a clear view of the sky.

17 Applications

Enjoy your HP iPAQ by listening to your favorite MP3 music using Windows Media Player. You can also record voice clips to be sent as an attachment to family and friends. Use Office Mobile applications to view presentations, spreadsheets, and documents.

HP applications

HP Help and Support

The **HP Help and Support** application increases visibility, accessibility, and usability of the HP iPAQ.

To access **HP Help and Support**:

1. Tap **Start > HP Help and Support**.
2. To view additional information, tap the appropriate HTML links.
 - **Serial and Model Numbers** – displays the product's serial number, model ID, product ID, and IMEI number.
 - **HP iPAQ Quick Tips** – launches the **HP iPAQ Tips** application, which will display tips to perform operations on your HP iPAQ in a quick and efficient way.
 - **Help Topics** – launches a **Help** screen. Each of this help topic will provide information about features and steps to perform tasks.
 - **Customer Support** – launches the **Find More Information** table. This table displays help topic titles and the respective locations where you can find more information on the topics.
 - **System Details** – launches the **HP Asset Viewer** application, which displays information such as manufacturer, firmware version, driver version, and software version about the system, integrated modules, and attached accessories.

 **NOTE:** Tap **About** to view the application name, version number, and copyright information.

HP VoiceReply

HP VoiceReply allows you to reply or compose e-mail messages using your voice.

HP VoiceReply can also be used to:

- Reply to a sender
- Reply to all recipients
- Forward a message

You can access HP VoiceReply in three different views:

- **List View** – While reviewing a list of messages in the Inbox.
- **Read View** – While reading a particular message from the list of messages in the Inbox.
- **Compose View** – While composing a new e-mail message, replying to an e-mail message, or forwarding an e-mail message.

HP VoiceReply can be used with Outlook accounts, POP3 account, or with iMAP4 accounts from your HP iPAQ.

To use HP VoiceReply:

1. When composing a new e-mail message or replying or forwarding a message, tap **Menu > HP VoiceReply** to select either of the following options:
 - **Reply to Sender** – To send your reply only to the recipient who initially sent you the e-mail message.
 - **Reply to All** – To send your reply to all the recipients of the initial e-mail message.
 - **Forward** – To forward the initial e-mail message with your reply to any recipient.
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-  **NOTE:** The three submenu options: **Reply to Sender**, **Reply to All**, and **Forward** are available under the List and Read views.
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2. Next, in the recording window, tap the  (Record) icon to record your message.
 3. Tap the  (Stop) icon when you finish recording your message.
 4. The recorded message is automatically attached to your e-mail.
 5. Enter any short text message if required. You can also make changes to the editable fields in the e-mail.
 6. Tap **Send** to send the message to the recipient.

HP iPAQ Setup Assistant

Use **HP iPAQ Setup Assistant** to simplify configuring settings on your HP iPAQ.

HP iPAQ Setup Assistant lets you save the settings on your computer. This can help you restore configuration settings on your HP iPAQ at any time. **HP iPAQ Setup Assistant** also allows you to perform a factory reset on your HP iPAQ and view detailed product information.

Using **HP iPAQ Setup Assistant**, you can manage multiple configurations and apply them quickly to your HP iPAQ. You can create a new configuration, modify existing settings, delete a selected configuration, or apply selected settings to your HP iPAQ. You can also use the HP iPAQ Setup Assistant to configure VoIP and apply security certificates on your HP iPAQ.

 **NOTE:** You need to install HP iPAQ Setup Assistant available on the *Getting Started* CD on your computer

Select the following tabs to configure your settings:

- **Owner Information** – Enter your identification information and notes to describe you and your HP iPAQ. This is helpful if you lose your HP iPAQ.
- **Wireless Network** – Wireless network settings describe the configuration needed to connect to your work, home, or other wireless network.
- **Proxy** – Proxy servers are located between two networks and are used to help prevent an attacker from invading a private network. You can enter proxy settings to specify the proxy configuration for your network.
- **E-mail** – E-mail settings describe the configuration required to connect to and check your Internet e-mail accounts.
- **Certificates** – You can export certificates from a host machine to the HP iPAQ's personal certificate stores that holds security certificates. You can either export security certificates from an existing

certificate store, such as Personal or Intermediate. Alternatively, you can select a .pfx or .cer certificate file from a file store.

- **Exchange Server** – Exchange Server is used to access e-mail, calendars, contacts, tasks, and other mailbox contents while on the go. You can set up Outlook on your HP iPAQ to synchronize directly with your organization's Exchange Server.
- **VoIP** – You can use VoIP to transmit voice conversations over an IP-based network. You can configure your login credentials, domain name, service provider, proxy server address, and voice mail number for your VoIP/SIP account.
- **Speed Dial** – **HP iPAQ Setup Assistant** helps you to create and manage a list of speed dial numbers for your HP iPAQ.

 **NOTE:** The first speed dial entry is usually reserved for Voice mail by your phone service provider, and your service provider might also reserve an entry for emergency response.

- **Browser Favorite** – Use your **HP iPAQ Setup Assistant** to create and manage a list of your favorite URLs. You can access these URLs using the Pocket Internet Explorer application on your HP iPAQ.
- **Finish** – In case of a new configuration, after you click **Finish**, enter a configuration name and an optional password, and then click **OK** in the save configuration. If this is an existing configuration, the existing name and password will be used.

HP iPAQ DataConnect

The first time you use your SIM card, **HP iPAQ DataConnect** automatically detects the phone network and operator and sets up the GPRS connection information for you. However, if your mobile phone service providers offer different subscription types, then **HP iPAQ DataConnect** will show a window on your screen that list the different subscriptions available. You need to select your subscription and tap **Select** for **HP iPAQ DataConnect** to automatically set up the mobile network connection parameters. In any case, you can change these settings to suit your preference or create your own network settings.

To configure the data settings manually:

1. Tap **Start > Settings > Connections > HP iPAQ DataConnect**.
2. Select a country and operator, and then tap **Select** to configure the network settings for the selected operator.
3. The data settings will be retrieved each time you try to connect to the Internet using GPRS.

△ **CAUTION:** Editing network parameters is not recommended unless you are being assisted by your mobile phone service provider.

HP Photosmart Mobile

You can use HP Photosmart Mobile to:

- View pictures stored on your HP iPAQ or a storage card.
- Add voice or text notes to pictures.
- Print pictures.
- View a slideshow.
- Send pictures via MMS, e-mail attachments, or Bluetooth.
- Associate a picture with a contact.

- Assign a picture to the **Today** screen background.
- Upload an image via e-mail to **Snapfish**.

View pictures stored on your HP iPAQ or a storage card

You can view photos stored on your HP iPAQ or an external storage card using the HP Photosmart Mobile.

To view photos:

1. Tap **Start > HP Photosmart Mobile**.
2. Tap **Menu > Open Folder**.
3. Browse to the folder where you have saved the photos.
4. Tap **ok**.

Attach a voice note to a picture

To attach a voice note to a picture:

1. Tap **Start > HP Photosmart Mobile**.
2. Tap the thumbnail to which you want to add a voice note.
3. Tap the  (Sound) icon.
4. Tap the  (Record) icon on the sound toolbar.
5. Speak into the microphone to record the voice note and tap the  (Stop) icon when finished.
6. To delete the recorded voice note, tap the  (Delete) icon.
7. Tap the  (Sound) icon again to close the sound toolbar.

Print using Storage Card

To print pictures using storage card:

1. Tap **Start > HP Photosmart Mobile**.
2. Tap the thumbnail of the image to be printed.
3. Tap **Menu > Print...**
4. Select **Storage Card** from the **Print** window.
5. Tap **Next**.
6. Select the number of copies you want to print, and then tap **Save**.

You can now print the photos saved on the storage card.

 **NOTE:** Some printers do not support printing from a storage card.

You need to set up the printer before you begin printing photos from a storage card. Setup instructions vary from printer to printer.

View a slideshow

To view a slideshow:

1. Tap **Start > HP Photosmart Mobile**.
2. Tap the  (Slideshow) icon at the bottom of the screen.
3. Tap the screen to view the  (Forward),  (Backward),  (Stop), and  (Pause) icons.

E-mail pictures

 **NOTE:** You need to configure your e-mail messaging account to send pictures using e-mail.

To send pictures through e-mail:

1. Tap **Start > HP Photosmart Mobile**.
2. Tap the thumbnail, to be sent via e-mail, and then tap **View**.
3. Tap **Menu > Send... > E-mail Attachment**.
4. Select the **Reduce sent photo size to** check box, and then select the reduction in resolution.
5. Tap **Next**.
6. Enter the appropriate e-mail address or use **Contacts** by tapping **Menu > Add Recipient**.
7. Enter other appropriate information, such as an e-mail title and message.
8. Tap **Send**.

Associate a picture with a contact

To associate a picture with a contact:

1. Tap **Start > HP Photosmart Mobile**.
2. Tap the thumbnail you want to associate with a contact.
3. Tap **Menu > Assign To > Contact**.
4. Tap the name from the contact list.
5. Tap **ok**.

Assign a picture to the Today screen background

To assign a picture to the Today screen background:

1. Tap **Start > HP Photosmart Mobile**.
2. Tap the thumbnail you want to assign to the **Today** screen.
3. Tap **Menu > Assign To > Today Background**.
4. Tap **ok**.

Snapfish

Snapfish feature enables you to upload images from your HP iPAQ to your **Snapfish** account via your e-mail account.

1. Tap **Start > HP Photosmart Mobile**.
2. Tap the thumbnail to be sent via **Snapfish** and then tap **View**.
3. Tap **Menu > Send... > Snapfish**.
4. Select the **Reduce sent photo size to** check box, and then select the required reduction in resolution.
5. Tap **Next**.
6. Select the appropriate e-mail account in the **Select e-mail account** list and tap **Send**.

 **NOTE:** To get more information about the **Snapfish** feature, tap **Help**.

If the e-mail account used to send the photo to **Snapfish** is not registered, you will receive an e-mail with a link to a Web page that allows you to register an account.

Enhance documents

The document enhancement feature enables you to process an image of a document taken with a camera, such as photos of a business card, magazine, or newspaper, to produce scanner-like results.

To use the document enhancement feature:

1. Tap **Start > HP Photosmart Mobile**.
2. Tap **Menu > Tools > Enhance Document**.
3. Select one or both of the following options:
 - **Straighten and crop** – To detect the edges of a document and crop the original document to a rectangular shape.
4. Tap **Start** to begin document processing.

 **NOTE:** The document enhancement feature processes only JPEG images.

Set the screen saver

Use your HP iPAQ to set a slideshow of your images as the screen.

To set the screen saver:

1. Tap **Start > HP Photosmart Mobile**.
2. Tap **Menu > Tools > Screen Saver**.
3. Tap **Show Screen Saver** check box and specify the duration after which you want to activate the screen saver from the **Launch Screen Saver after** list.
4. Tap the **Effects** tab, and select the **Use transition effects** check box to choose a transition effect.
5. Tap the **Date/Time** tab to select the date and time display option.

 **NOTE:** **HP Photosmart Mobile** automatically displays the slideshow you selected, if your HP iPAQ is inactive while it is connected to the computer with the synchronization software running.

Switch to camera application

You can switch to the camera application from the HP Photosmart application.

To switch to the camera application:

1. Tap **Start > HP Photosmart Mobile**.
2. Tap **Menu > Switch to Camera**.

 **TIP:** You can also tap the  (Capture) icon to switch to the camera application

Organize images

Use your HP iPAQ to manage or organize a set of images by moving, copying, or deleting a single image or a set of images.

To organize your images:

1. Tap **Start > HP Photosmart Mobile**.
2. Tap **Menu > Organize**.
3. Tap the images you want to organize or tap **Menu > Select > All** to select all the images.
4. Tap **Menu > Move/Copy** for options of moving or copying the selected images to card or another folder on your HP iPAQ.
5. To select a range of images, tap **Menu > Select > Range**. Next, tap the first image and then tap the last image.
6. To delete the selected files, tap **Menu > Delete**.

Send an image to clipboard

You can copy an image to the clipboard to use it in other applications.

To copy an image to clipboard:

1. Tap **Start > HP Photosmart Mobile**.
2. Tap and hold an image thumbnail.
3. Tap **Move/Copy > Copy to Clipboard** from the menu and choose the appropriate scaling size.

To paste the copied image:

1. Open the document or note where you will paste the image.
2. On the **Edit** menu, tap **Paste**.

Video support

You can play videos using the HP Photosmart application.

To play videos:

1. Tap **Start > HP Photosmart Mobile**.
2. Select the video thumbnail and tap **View**.

HP PrintSmart Mobile

Use **HP PrintSmart Mobile** to print information from your HP iPAQ mobile device to a compatible printer. **HP PrintSmart Mobile** application provides printing support over Bluetooth and Wi-Fi network. It also provides printing support for various document formats including .doc, .xls, .jpg, .bmp, and .html. You can also configure various printers and manage print jobs.

For more information, see the *Getting Started* CD.

HP iPAQ Keyguard

The **Keyguard** application deactivates your HP iPAQ touch screen and keys to prevent accidental activation of the HP iPAQ or any of its functions.

To enable the **Keyguard** application, tap **Start > Settings > Personal > Buttons > Lock > Enable Keyguard > ok**.

 **NOTE:** Once the HP iPAQ enters standby mode, the keyguard is automatically activated.

To disable the **Keyguard** application, clear the **Enable Keyguard** check box and tap **ok**.

The buttons on the HP iPAQ do not perform their functions and the touch screen is inactive until you complete the sequence to unlock the keys. To unlock this application, follow the deactivation sequence as described on the screen. The **Disable all buttons except power and end buttons** check box also prevents accidental activation when the HP iPAQ enters the standby mode.

 **NOTE:** When you receive a call, the keyguard remains active and allows you to answer the call.

To dial an emergency number when the keyguard is active, enter the emergency number using the keyboard and press the  (Answer/Send) key.

HP Keyboard Status Indicator

Using the **HP Keyboard Status Indicator**, you can view the keyboard status on the screen. You can change the keyboard status using the special keys on the keyboard. For more information, see [Use the Keyboard on page 21](#).

 **NOTE:** The **HP Keyboard Status Indicator** might not be visible when using certain applications.

Icon	Keyboard State	Description
	Normal	Enter lowercase characters
	Shift	Enter a single uppercase character
	Shift lock	Enter uppercase characters
	Function	Enter a single superscript character
	Function lock	Enter superscript characters

HP Asset Viewer

Using the **HP Asset Viewer** application, you can view information about the system, integrated modules, and attached accessories.

To access HP Asset Viewer:

1. Tap **Start > Settings > System > HP Asset Viewer**.
2. To view additional system information, tap the appropriate tabs.
 - The **Identity** tab – displays the serial number and the user information.
 - The **Memory** tab – displays the device memory size for ROM and RAM on your HP iPAQ. It also displays information about the ROM flash, flash chip type, flash block size, and PSM driver version.
 - The **Version** tab – displays the product revision level, ROM date, ROM revision, OS version, BootLoader version, and XIP version.
 - The **Display** tab – displays settings, such as screen color, horizontal pixels, vertical pixels, color depth, display type, and panel ID.
 - The **System** tab – displays information about the manufacturer, product ID, model ID, processor type, processor revision, language, country ID, and UUID.
 - The **Camera** tab – displays camera details, such as module present, hardware revision, hardware and software driver versions, camera API interface version, and camera information.
 - The **Keyboard** tab – displays information about the module present, firmware version, hardware revision, driver version, and software version.
 - The **Bluetooth** tab – displays information about radio present, firmware version, hardware revision, driver version, software version, and MAC address.
 - The **WLAN** tab – displays information about radio present, firmware version, hardware revision, driver version, software version, IP address, and MAC address.
 - The **GSM** tab – displays information about radio present, radio firmware version, and IMEI number.
 - The **GPS** tab – displays information about the GPS present, GPS status, manufacturer, revision level, driver version, firmware version, and software version.

HP CertEnroller

HP CertEnroller is an enhanced security feature for retrieving and registering new certificates. This application allows you to request a user certificate from a certificate server.

 **NOTE:** **HP CertEnroller** picks up certificate types from Active Directory as well as from the HP iPAQ's data store. You must enter a server name for retrieving the certificate, and if required, a valid username and password.

To access **HP CertEnroller**:

1. Tap **Start > Settings > System > HP CertEnroller**.
2. Use the on-screen keyboard to enter server name, user name, and password. Tap **Retrieve** to initiate the transaction of downloading the certificate from the server.
3. Once the certificate is retrieved, tap **Menu > Cancel** to exit.

 **NOTE:** Tap **Menu > About** to view a brief description of the application, application name, version number, and copyright statement. On the **Enroll Certificates** screen, tap **Start > Help** for more information about the Certificate Enroller application.

HP iPAQ Tips

HP iPAQ Tips displays tips to perform operations on your HP iPAQ in a quick and efficient way. A tip is displayed on your screen every time you turn on your HP iPAQ. Tap **Menu > Next** to display the next tip. To quit the application, tap **Dismiss**. You can also access **HP iPAQ Tips** by tapping **Start > HP Help and Support > HP iPAQ Quick Tips**.

 **TIP:** You can also access the **HP iPAQ Tips** application by tapping **Start > Programs > HP iPAQ Tips**.

HP Enterprise Mobility Agent

The  **HP Enterprise Mobility Agent** is part of the **HP Enterprise Mobility Suite** which helps you easily configure and manage your HP iPAQ remotely. The  **HP Enterprise Mobility Agent** must be activated remotely by a licensed **HP Enterprise Mobility server** which is sold separately. Visit <http://www.hp.com/go/ems> for more information or contact your IT administrator to check if your company is currently using the **HP Enterprise Mobility Suite**. The **HP Enterprise Mobility Suite** provides the ability to remotely configure mobile services, diagnose the device, add/remove applications, and lock/unlock/wipe the device in case it is lost or stolen.

iPAQ File Store

You can install programs and save files to the iPAQ File Store folder, which can be accessed from the **File Explorer** on your HP iPAQ. Programs and files stored on your iPAQ File Store folder are not deleted even if you perform a full reset on your HP iPAQ.

To save files to the iPAQ File Store:

1. Copy the files to be saved to the iPAQ File Store folder.
2. Tap **Start > Programs > File Explorer > iPAQ File Store**.
3. Tap **Menu > Edit > Paste**.

△ **CAUTION:** iPAQ File Store might contain a special folder called hp to store system files. Do not save new files or modify existing files in the hp folder.

 **NOTE:** Before saving files to the iPAQ File Store folder, it is a good idea to determine how much memory is available in the folder. To view the amount of memory, tap **Start > Settings > System > Memory > Storage Card**, and then select **iPAQ File Store** from the list.

HP iPAQ Ring Tone Manager

With **HP iPAQ Ring Tone Manager** application, you can add and remove ring tones on your HP iPAQ.

To add a ring tone:

1. Tap **Start > Settings > System > RingTones > Add**.
2. On the **iPAQ Ring Tones** screen, under **Select Ring Tones to add to your device**, all *.wav, *.mid, *.mp3, *.aac, *.amr, and *.awb files stored on the HP iPAQ are displayed.
3. Select the required ring tones, and tap **Add**.

To play the newly added ring tones, tap the  (Play) icon. Use the  (Stop) icon, to stop the ring tone being played.

To remove a ring tone:

1. Tap **Start > Settings > System > RingTones > Remove**.
2. On the **iPAQ Ring Tones** screen, under **Select Ring Tones to be removed from your device** list, select the required ring tones.
3. Tap **Remove**.

 **NOTE:** You can use the **HP iPAQ Ring Tone Manager** application only to add and remove ring tones. This application lacks the ability to assign any file as a current ring tone.

Manage certificates

To manage certificates:

1. Tap **Start > Settings > System > Certificates**.
2. Select a certificate tab.
 - The **Personal** tab displays your personal certificates.
 - The **Intermediate** tab displays the intermediate certification authorities.
 - The **Root** tab displays the root certification authorities.

 **NOTE:** To view the certificate details, tap the required certificate on each tab.

Task Manager

Task Manager allows you to view and manage the tasks running on your HP iPAQ. You can also view the memory and CPU used by the applications and system processes.

To view the Task Manager, tap **Start > Programs > Task Manager**.

To...	Do This...
Close an application	Tap the application, then tap End Task . NOTE: You cannot end running processes.
Open an application that is running in the memory	Tap the application, then tap Menu > Switch To .
Close all open applications	Tap the application, then tap Menu > End All Tasks .
View all applications running in the memory	Tap the application, then tap Menu > View > Applications .
View all processes running in the memory	Tap the application, then tap Menu > View > Processes .
Change the sorting order	Tap Menu > Sort By , then tap the required field. TIP: You can also tap the column name at the top to sort.
Refresh the list	Tap Menu > Refresh .
Close Task Manager	Tap Menu > Exit .

Search

The search feature helps you locate files stored on your HP iPAQ. You can search for Calendar, Contacts, Excel Mobile, Help, Messaging, Notes, Outlook Mobile, Tasks, and Word Mobile files. You can also search for files that are larger than 64 KB.

To search for files:

1. Tap **Start > Programs > Search**.
2. Enter the complete or a part of file name in the **Search for** text box.
3. Select a criteria from the **Type** list.
4. Tap **Search**.
5. Tap a file from the search result to open it.

IPAQ Audio

IPAQ Audio allows you to set, adjust, and save settings for the audio output and microphone.

To configure the audio output settings:

1. Tap **Start > Settings > System > IPAQ Audio > Audio out**.
2. Move the **Bass Boost** slider to make changes to the bass level and the **Treble Adjustment** slider to adjust the treble effect.
3. Tap **Restore Default** to switch to original settings.

To access the microphone settings:

1. Tap **Start > Settings > System > IPAQ Audio > Mic**.
2. On the **Microphone** screen, clear the **Enable AGC** check box to activate the microphone settings.

 **NOTE:** If you enable the Automatic Gain Control (AGC), the system handles the gain level.

3. Select one of the predefined modes: **Quiet**, **Normal**, or **Noisy**.
4. Use the slider to adjust the set value of each of these modes.

Voice Commander

Use the **Voice Commander** application to look up contacts, dial a contact by name, get calendar information, play and control your music, as well as launch applications on your HP iPAQ. For more information, see [Voice commands on page 27](#).

 **TIP:** You can also access the **Voice Commander** application by tapping **Start > Programs > Voice Commander** or you can press the **Voice Commander** key on the left panel of your HP iPAQ.

Remote Desktop Mobile

Use the **Remote Desktop Mobile** to log on to a Windows Terminal Server. This facility allows you to use all programs installed on the server.

To connect to a Terminal Server:

1. Tap **Start > Programs > Remote Desktop Mobile**.
2. In the **Computer** box, enter a Terminal Server name or TCP/IP address.
3. Enter your user name, password, and domain in the respective boxes.
4. Tap **Connect**.

Tap **Options > Display** to set the color options, **256 Colors** or **High Color (16 bit)**. You can view the **Remote desktop display** either in the full screen mode or you can choose to fit the remote desktop to your HP iPAQ screen.

 **NOTE:** After you connect to a terminal server, press the **Right** softkey to select the **Full Screen** option.

Tap **Options > Resources** to set the **Remote desktop sound**. You can either select to mute the sound, play the sound on the remote computer, or play the sound on your HP iPAQ.

Java Virtual Machine

Java Virtual Machine allows you to install and use Java applications on your HP iPAQ. You can download the installers, .jar files, from the Internet to your computer and transfer it to your HP iPAQ. Alternatively, you can directly download the installers using your HP iPAQ's GPRS connection.

To install a Java application using the computer:

1. Connect your HP iPAQ to your computer.
2. Copy the .jar file from your computer to your HP iPAQ.
3. Tap **Start > Programs > SUN Java**.
4. Tap **Menu > Install > Install from Local**.
5. Select the .jar file.
6. Tap **Menu > Install**, and accept any confirmations that the installer prompts.

You can also manage the installed Java applications.

 **NOTE:** You might need to use your GPRS/3G/HSDPA connection to perform some actions when you manage your applications. To configure the Internet connection, tap **Menu > Network Options**, and select the GPRS connection to use. The connection that appears might be iPAQ GPRS, however, the data connection might be GPRS, 3G, or HSDPA. You should only download and install content from trusted Web sites and that is compatible with your HP iPAQ.

To...	Do This...
Open an application	Tap the application or tap Menu > Operation > Launch .
Remove an application	Tap Menu > Operation > Delete .
Update an application	Tap Menu > Operation > Update .
Move an application to a folder	Tap Menu > Operation > Move .
Change an application's name	Tap Menu > Operation > Rename .
Activate an application	Tap Menu > Operation > Activate .
View details about an application	Tap Menu > Operation > Information .
Set GPRS permissions for an application	Tap Menu > Operation > Set Permissions .

Windows Media Player

Use Windows Media Player to enjoy your digital media in new ways both at home and on the go. Using Windows Media Player, you can play audio and video files stored on your phone or memory card.

Tap **Start > Programs > Windows Media** to open the Windows Media Player application.

For a complete list of features and more, visit <http://www.microsoft.com/windowsmedia>.

 **NOTE:** Protected files are digital media files that are secured with a license to prevent unauthorized use or playback. Licenses are created and managed by using the DRM technology. To learn more about Windows Media DRM 10, protected files, and other features, refer to the on-screen help by tapping **Start > Help > Contents > Use Windows Media Player Mobile**.

Clear the Now Playing List

Tap **Start > Programs > Windows Media** and select **Now Playing**.

The **Now Playing** playlist displays the currently playing file and any files that are queued up to play next. You can quickly remove all items from the playlist by clearing the **Now Playing** playlist.

To clear the **Now Playing** list:

- On the **Now Playing** screen, tap **Menu > Clear Now Playing**.

Update a Library

In most cases, Windows Media Player Mobile automatically updates your libraries. However, you can manually update a library to ensure that it has links to any new files that you might have recently copied to your HP iPAQ or a removable storage card.

To update a library:

1. If you are not already on the **Library** screen, tap **Menu > Library...**
2. On the **Library** screen, tap **Menu > Update Library...**
3. Wait for the files to be added, and then tap **Done**.

Use Voice Commander to play media files

You can play your media files by using the **Voice Commander** application on your HP iPAQ.

1. Press the **Voice Commander** key on your HP iPAQ.
2. Hold your HP iPAQ 10 cm (3.94 inches) away from your face and say **Play Music (Media File Name)** to play the media file.

 **NOTE:** The **Play Music** voice command will only play media files present in a playlist.

Press the **Voice Commander** key and say **Pause/Resume Music** to pause or resume the media file.

Office Mobile applications

Word Mobile

You can create and edit documents and templates in **Word Mobile**. You can also save the documents and templates as .docx, .rtf, .txt, and .dotx files.

With Word Mobile, you can:

- Edit word documents and templates created on your computer.
- Open and edit Pocket Word (*.psw) documents

 **NOTE:** If you edit a file, you will need to save it in .docx, .rtf, .txt, or .dotx format.

To access **Word Mobile**, tap **Start > Office Mobile > Word Mobile**.

Options available when you tap **Menu** allow you to:

- Create a new document or edit an existing document.
- Format a document.
- Check spelling and count words in a document.
- Save, move, rename, or delete a document.
- Send a document via e-mail or Bluetooth.

Excel Mobile

You can create and edit workbooks and templates on your HP iPAQ with **Excel Mobile**.

With Excel Mobile, you can:

- View, edit, and create charts and graphics, which can be embedded as objects in a worksheet or placed on a separate worksheet.
- Enter formulas and functions, and then filter data to see the subset of information you want.
- Split panes to view different parts of a worksheet at the same time.
- Freeze the top and left-most panes in a worksheet to keep row and column labels or other data visible as you scroll through a sheet.

To access **Excel Mobile**, tap **Start > Office Mobile > Excel Mobile**.

To access options for organizing and formatting a worksheet, open a worksheet and tap **Menu**. In addition to **Cut**, **Copy**, and **Paste**, there are options in **Menu** that allow you to:

- Paste cells using **Paste Special...**
- Clear cell contents and formats applied to cells.
- Insert new cells, charts, symbols, functions, and define names in a workbook.
- Set dimensions for rows and columns. Align cells, set font and style for the text, and set cell borders.
- Create new worksheets and save, rename, or delete existing worksheets.
- Send a worksheet through e-mail or Bluetooth.

PowerPoint Mobile

Use **PowerPoint Mobile** to open and view slide show presentations created on your computer.

With PowerPoint Mobile, you can:

- Open a presentation from an e-mail message.
- Download a presentation from a file share or the Internet.
- Copy a presentation to your HP iPAQ via a storage card.

 **NOTE:** Slide shows created in *.ppt or *.pps format with PowerPoint '97 and later can be viewed on your HP iPAQ.

PowerPoint features that are not supported on your HP iPAQ include:

- Notes: Notes written for slides are not visible.
- Rearranging or editing slides: **PowerPoint Mobile** is a viewer only.

To access **PowerPoint Mobile**, tap **Start > Office Mobile > PowerPoint Mobile**.

Options available when you tap **Menu** allow you to:

- Set up a slide show.
- Rename, move, delete, or create a copy of a presentation.
- Send a presentation via e-mail or Bluetooth.

OneNote Mobile

You to create and edit notes on your HP iPAQ using OneNote Mobile.

With OneNote Mobile, you can:

- Format text in notes.
- Insert text, pictures, or audio in your notes.

To access OneNote Mobile, tap **Start > Office Mobile > OneNote Mobile**.

Options available when you tap **Menu** allow you to:

- Delete, rename, and set options for sorting notes.
- Undo and redo actions performed while working with a note.
- Cut, copy, and paste content from one note or application to another.
- Format the text inserted in a note.
- Add a numbered or bulleted list in a note.
- Insert pictures using the camera or from the HP iPAQ.
- Insert a voice recording in a note.

ClearVue PDF

You can view a Portable Document File that has the extension .pdf on your HP iPAQ.

To view a file:

1. Tap **Start > Programs > ClearVue PDF**.
2. Tap **File > Open...**
3. Select a folder from the **Folder** list.
4. Tap the file from the list.

 **TIP:** Use the scroll bars or the navigation keys to scroll through the file. To view a file opened recently, you can tap **File > Recent Files** and then tap the file.

To set the zoom level:

1. Tap **Zoom**.
2. Select the required zoom level.

 **TIP:** You can tap **Custom** and select a custom zoom level.

To close the file:

- Tap **File > Close**.

To view information about ClearVue PDF:

- Tap **File > About...**

To close ClearVue PDF:

- Tap **File > Exit**.

Games

Bubble Breaker

The objective of **Bubble Breaker** is to have balls (more than one) of the same color deleted from the screen. The fewer balls you leave behind, the higher your score will be.

To start a new game:

1. Tap **Start > Programs > Games > Bubble Breaker**.
2. Tap **New Game** to start a new game.

 **NOTE:** You can continue playing an existing game.

3. Tap **Menu > Statistics** to select a style to display relative entries.
4. Tap **Menu > Options...** to edit the settings for the game.

 **NOTE:** To recall the balls you deleted, tap **Menu > Undo Move**.

To play a game:

1. Tap **Start > Programs > Games > Bubble Breaker**.
2. Tap **New Game** to start a new game.
3. Tap a ball which is of the same color as the other balls around.
4. Tap the similar colored balls twice to delete the balls from the screen.

Solitaire

The objective of **Solitaire** is to use all the cards in the deck to build up four suit stacks in ascending order, beginning with the aces. You win the game when all cards are on the suit stacks.

To play a game:

1. Tap **Start > Programs > Games > Solitaire**.
2. Tap **Menu > New Game** to start a new game.
3. Tap and hold the card you want to move and drag it to the card stack to which you want to move the card.

4. Move any aces on the seven stacks to the four card spaces at the top of the screen, and then make any other available plays.
5. Tap a card twice to move it to the four card stack on the upright corner of the screen if it belongs there. The card that is face up on the four card stacks is always available for play.
6. When you have made all the available plays, tap **Draw** to turn over more cards.

Internet Sharing

You can use your HP iPAQ as a wireless modem. The **Internet Sharing** software on your HP iPAQ guides you during the connection process. Insert a data-enabled SIM into your HP iPAQ before setting up **Internet Sharing**. You might also need to install software drivers on to your laptop. Before you can begin **Internet Sharing**, make sure you have a cellular connection. If you do not have an active connection, you will not be able to launch the **Internet Sharing** application.

To connect to a laptop using a USB data connection

You need to install the USB driver for connecting your HP iPAQ to your computer. The driver required is included in ActiveSync versions 4.2 and above. When a Windows Mobile powered device is connected to the computer for the first time, the driver will be installed to enable **Internet Sharing** over USB or RNDIS. If your computer does not automatically add your HP iPAQ as a new modem, you need to manually set up your HP iPAQ for **Internet Sharing**.

To set up your HP iPAQ:

1. Connect your HP iPAQ to the computer using the mini-USB synchronization cable (WMDC for Windows Vista and ActiveSync for Windows XP). Your computer might prompt you for the wireless USB modem driver with a **New hardware wizard** menu screen. Else proceed to **To set up a USB modem connection**.
2. Click **Next** on the welcome screen of the **Install Wizard**.
3. Select the **Search for a suitable driver for my device (recommended)** option.
4. Select **Specify a Location** and browse to the C:\ drive folder that contains the USB driver.

 **NOTE:** Click **Next** to allow your computer to automatically search and download the USB driver file.

5. Click **Finish**.
6. After installing the driver, **Smartphone USB Modem** will be added to the device list in the Device Manager.
7. Next, disconnect your HP iPAQ from the computer.

 **NOTE:** 56 K modems are capable of receiving 56 Kbps from a compatible service provider. Actual speeds will vary depending on line conditions.

To set up a USB modem connection:

1. Make sure that your HP iPAQ is not connected to your computer.
2. Tap **Start > Programs > Internet Sharing**.
3. Scroll and select **USB** from the **PC Connection** list.
4. Scroll and select the type of GPRS connection you want to use from the **Network Connection** list.
5. Now connect your HP iPAQ to your computer with the mini-USB synchronization cable and tap **Connect**.

To connect to a laptop using Bluetooth data connection

For best results, connect your HP iPAQ to the computer using a mini-USB (WMDC for Windows Vista and ActiveSync for Windows XP) to establish a synchronization relationship before connecting via Bluetooth.

- Follow the instructions on your synchronization software help for configuring Bluetooth on your computer.

To set up a Bluetooth modem connection:

1. Make sure that your HP iPAQ is not connected to your computer.
2. Tap **Start > Programs > Internet Sharing**.
3. Scroll and select **Bluetooth PAN** from the **PC Connection** list.
4. Scroll and select the type of GPRS connection you want to use from the **Network Connection** list.
5. Make your HP iPAQ visible and detectable. Connect the Bluetooth PAN to your computer and create a partnership between them.
6. Press **Connect** after the partnership is established.

Pocket Internet Explorer

You can launch the **Pocket Internet Explorer** application by pressing the left softkey from the **Today** screen. This application displays an HP iPAQ-customized home page with the following options:

- **iPAQ Software** – Download software and games for your mobile device. Browse the site for the newest updates and best software.
- **HP Shopping** – Buy desktops, laptops, printers, digital cameras, televisions, and ink and toner cartridges direct from HP.
- **iPAQ Mobile** – Use this site for products, support, and other HP iPAQ information.
- **iPAQ Accessories** – Buy HP iPAQ handheld accessories direct from the HP Home & Home Office Store.
- **Windows Mobile** – Learn more about Windows Mobile software.

 **NOTE:** These options vary by country/region.

Each icon is linked to its respective Web page. Therefore, the appropriate Web page opens up when you tap a desired icon.

You can also use **Pocket Internet Explorer** to view and download Web pages as well as browse Web sites through synchronization, or when connected to the Internet. The **HP iPAQ DataConnect** application detects the network settings and lets you connect to Internet Web sites.

To open a link using favorite page:

1. Tap **Start > Programs > Internet Explorer** or press the left softkey from the **Today** screen to open **Pocket Internet Explorer**.
2. Tap **Favorites** and tap to open the required link.
3. Tap **Menu > Favorites...** to list all your favorite sites and tap **Menu > Add To Favorites...** to add a new URL in your favorites list.
4. Tap **Menu > Tools > History...** to display the history.

 **NOTE:** Tap **Menu > Tools > Options...** to change general, memory, and security settings.

You can send any URL as an SMS, MMS, or e-mail by tapping **Menu > Tools > Send Link...**

You can learn more about Pocket Internet Explorer by tapping **Start > Help > Contents > Browse the Web.**

Windows Live

You can use Windows Live on your phone to search information, check your e-mails, and send instant messages. Windows Live provides the same e-mail and chat environment as of the Windows Live on your computer.

With the Windows Live feature, you can:

- Search information on the Web.
- Send and receive e-mails.
- Send and receive Instant Messages.
- Change your own status or view the status of others on your list.
- Invite others for a chat conversation.
- Block certain contacts from seeing your status or sending you messages.

Tap **Start > Programs > Windows Live** to open the Windows Live application.

To use Windows Live, you need a Microsoft.NET Passport account unless you already have a Hotmail account. To set up a Microsoft.NET Passport account, go to <http://www.passport.net>. After you have an account, you can use the Windows Live feature.

To sign in Windows Live:

1. Tap **Start > Programs > Windows Live.**
2. Tap **Sign in to Windows Live.**
3. Tap **Accept.**
4. Enter your e-mail address in the **E-mail address** box.
5. Select a Web server from the list.
6. Enter your password.
7. Tap **Next.**
8. Tap **Next.**
9. Select the **Sync e-mail** check box.
10. Tap **Next.**

After you sign-in, you can access the Windows Live search and services from the **Today** screen.

To search information:

1. From the **Today** screen, tap **Live Search.**
2. Enter the text you want to search.
3. Press the  (enter) key on your keyboard.

To check your e-mails:

1. From the **Today** screen, tap the right or left arrow on the **Windows Live Services** bar until **Hotmail** is displayed.
2. Tap the e-mail message to open your Inbox.

To sign in to Messenger:

1. From the **Today** screen, tap the right or left arrow on the **Windows Live Services** bar till **Messenger** is displayed.
2. Tap **Tap here to sign in**.
3. Use the list to select your online status.
4. Tap **Sign in**.

If you do not sign out of Windows Live, you remain on a data connection, which might result in additional charges from your service provider. The session will not time out or end unless one of the following occurs:

- User ends the instant messenger session
- User accepts an incoming voice call
- An outgoing voice call is placed
- The HP iPAQ is turned off or moves out of range

To sign out of Messenger:

- Tap **Menu > Sign out**.

You can send instant messages from Windows Live to contacts on your messenger list. To send instant messages:

1. Tap the person to whom you want to send an instant message.
2. Enter your message, and tap **Send**.

You can also manage your contacts and control their visibility. To manage contacts in the Windows Live:

- Tap **Menu > Add new contacts** to create a new contact.
- Tap **Menu > Contact options > Remove contact** to delete an existing contact.
- Tap **Menu > Contact options > Block contact/Unblock contact** to block or unblock the selected contact from seeing your status and sending you instant messages.

 **NOTE:** Tap **Menu > Options > Add participant** to invite a contact to an ongoing chat. You can also see who is already talking to you or change between chats by tapping **Menu > Options > View participants**.

You can change your status on Windows Live Messenger according to your need. To change your status:

1. Tap and select your name in the contact list.
2. Tap **Menu > Change status**, and navigate to select the required status.

To sign in as a different user:

1. From the **Today** screen, tap the right or left arrow on the **Windows Live Services** bar till **Windows Live** is displayed.
2. Tap your display name.
3. Tap **Menu > Account Options > Switch Windows Live ID**.
4. Tap **Yes**.
5. Proceed with the setup wizard to sign in.

SMS cell broadcast

Short Message Service Cell Broadcast (SMS-CB) is a mass distribution media that allows messages to reach multiple mobile phones at once. All the mobile phones present in a network will receive the message when the message is broadcast. The messages can be sent to specific cells or to a specific geographical area. It is used to send information, such as local weather, traffic conditions, or other important or informative information.

SIM Toolkit

SIM Toolkit (STK) consists of a set of commands that are programmed into the SIM card. The toolkit defines how the card should interact with the outside world and extends the communication protocol between the card and the handset. It supports various value added services typically provided by the operator or third party companies.

Power

Using the **Power** application you can view the amount of battery power remaining. The **Power** application also enables you to set the standby period, duration for turning off, and USB charging speed for your HP iPAQ.

To change power settings:

1. Tap **Start > Settings > System > Power**.
2. Tap **Advanced** and select the length of time the HP iPAQ stays on when using battery power or AC power.
3. Tap **USB Charging** and select the **Use USB Charging** check box to enable USB charging.

Select any of the following options:

- **Fast Charge** – Charges at 500 mAh.
- **Slow Charge** – Charges at 100 mAh.

 **NOTE:** Clearing the **Turn off device if not used for** check box on the **Advanced** tab will keep your HP iPAQ on at all times and will drain the battery. For more information to make the battery last long between charges, see [Battery saving tips on page 19](#).

Backlight

The **Backlight** application enables you to view and change the backlight options, such as brightness of your HP iPAQ.

To change backlight settings:

1. Tap **Start > Settings > System > Backlight**.
2. Tap **Battery Power** or **External Power**. Select the **Turn off backlight if device is not used for** check box and select the duration from the list.

 **NOTE:** Clearing the **Turn off backlight if device is not used for** check box from the **Battery Power** or **External Power** tab will keep the backlight on at all times and will drain the battery. For more information to make the battery last long between charges, see [Battery saving tips on page 19](#).

Tap **Start > Settings > System > Backlight > Brightness**. Next, move the slider on the **Backlight** screen to set the required level of brightness.

18 Product specifications

System specifications

 **NOTE:** Not all models described are available in all countries/regions. For more information on specifications for your particular model, on your HP iPAQ, tap **Start > Settings > System > HP Asset Viewer**.

System Feature	Description
Processor	Marvell PXA270, 420 MHz
Operating System	Microsoft® Windows Mobile 6.1 Professional
Memory	20 MB iPAQ File Store/256 MB Flash ROM
External Power	Power adapter: input 90-264 Vac, 200 mA, 50 to 60 Hz and output +5 Vdc, 1 A USB charger: 5 Vdc, 100/500 mA
Display	2.46" 240x320 TFT LCD with touch screen
SD Slot	Supports MicroSD memory with SDHC
Headphone Jack	Microphone input jack, combined with headphone jack
Antenna	Internal Wi-Fi and Bluetooth antennas NOTE: This component will not be visible externally.
Battery	1940 mAh typical, 1840 mAh minimum Li-polymer removable/rechargeable battery
Bluetooth	Bluetooth 2.0, Profiles: Handsfree/ OBEX/ FTP/ Serial Port/ A2DP, 10 m range (approximately 33 ft) – High-speed, low-power, short-range wireless communication with other Bluetooth devices
Wi-Fi	IEEE 802.11b/g
Phone/Modem	HSDPA/WCDMA (3.5G/3G) – 850/1900/2100 EDGE/GPRS/GSM (2.75G/2.5G/2G) – 850/1800/1900/2100
Camera	<ul style="list-style-type: none">• 3 Megapixels• Auto-focus (10 cm to infinity)• 4x Digital Zoom• Video recording with audio (max. QVGA) NOTE: The camera is not available on all models.

Physical specifications

	US	Metric
Length	4.49 inches	113.97 mm
Width	2.53 inches	64.18 mm
Depth	0.71 inches	18.14 mm
Weight	<ul style="list-style-type: none"> • With battery: 5.33 oz • Without battery: 3.63 oz 	<ul style="list-style-type: none"> • With battery: 151 g • Without battery: 103 g

Operating environment

		US	Metric
Temperature	Operating	32° to 113° F	0° to 45° C
	Non-operating	-40° to 185° F	-40° to 85° C
Relative Humidity	Operating	90 % RH	90 % RH
	Non-operating	90 % RH	90 % RH

19 Regulatory notices

Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by HP may void the user's authority to operate the equipment.

Cables

To maintain compliance with FCC Rules and Regulations, connections to this device must be made with shielded cables having metallic RFI/EMI connector hoods.

Declaration of Conformity for Products Marked with the FCC Logo (United States Only)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following 2 conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

If you have questions about the product that are *not* related to this declaration, write to

Hewlett-Packard Company

P. O. Box 692000, Mail Stop 530113

Houston, TX 77269-2000

or call 1-800-HP-INVENT (1-800-474-6836)

For questions regarding this FCC declaration, write to

Hewlett-Packard Company

P. O. Box 692000, Mail Stop 510101

Houston, TX 77269-2000

or call HP at 281-514-3333

To identify your product, refer to the part, series, or model number located on the product.

Canadian Notice

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Avis Canadien

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

European Union Notice

Products bearing the CE marking comply with the following EU Directives:

- Low Voltage Directive 2006/95/EC
- EMC Directive 2004/108/EC

CE compliance of this product is valid only if powered with the—correct CE—marked AC adapter provided by HP.

If this product has telecommunications functionality, it also complies with the essential requirements of the following EU Directive:

- R&TTE Directive 1999/5/EC

Compliance with these directives implies conformity to harmonized European standards (European Norms) that are listed in the EU Declaration of Conformity issued by HP for this product or product family. This compliance is indicated by one of the following conformity markings placed on the product.

- This CE marking is valid for non-telecommunications products and for EU harmonized telecommunications products, such as Bluetooth®.



- This CE marking is valid for EU non-harmonized telecommunications products.



*If applicable, a notified body number is used. Refer to the regulatory label provided on this product.

Hewlett-Packard GmbH, HQ-TRE, Herrenberger Strasse 140, D-71034 Böblingen, Germany

The telecommunications functionality of this product may be used in the following EU and EFTA countries:

Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, and United Kingdom.

The official EU CE declaration of conformity for this device may be found at www.hp.com/go/certificates.

Products with 2.4–GHz Wireless LAN Devices

France

L'utilisation de cet équipement (2.4GHz Wireless LAN) est soumise a certaines restrictions: Cet équipement peut être utilisé a l'interieur d'un batiment en utilisant toutes les frequences de 2400 a 2483.5MHz (Chaîne 1-13). Pour une utilisation en environnement exterieur, les frequences comprises entre 2400-2454 MHz (Chaîne 1-9) peuvent être utilisé. Pour les dernières restrictions, voir <http://www.arcep.fr>.

For 2.4 GHz Wireless LAN operation of this product certain restrictions apply: This product may be used indoor for the entire 2400–2483.5 MHz frequency band (channels 1–13). For outdoor use, only 2400–2454 MHz frequency band (channels 1–9) may be used. For the latest requirements, see <http://www.arcep.fr>.

Italy

E' necessaria una concessione ministeriale anche per l'uso del prodotto. Verifici per favore con il proprio distributore o direttamente presso la Direzione Generale Pianificazione e Gestione Frequenze.

License required for use. Verify with your dealer or directly with the General Direction for Frequency Planning and Management (Direzione Generale Pianificazione e Gestione Frequenze).

Battery Warning

-
- ⚠ **WARNING!** This HP iPAQ contains a lithium ion rechargeable battery. To reduce the risk of fire or burns, do not disassemble, crush, puncture, short external contacts, or dispose of in fire or water. Replace only with the HP spare.
 - ⚠ **CAUTION:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
-

Battery Recycling

HP encourages customers to recycle used electronic hardware, HP original print cartridges, and rechargeable batteries. For more information about recycling programs, visit <http://www.hp.com/recycle>.

Battery Disposal

-
- ⚠ **WARNING!** When a battery has reached the end of its useful life, do not dispose of the battery in general household waste. Follow the local laws and regulations in your area for computer battery disposal.
-



Disposal of Waste Equipment by Users in Private Household

Disposal of Waste Equipment by Users in Private Household in the European Union



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

التخلص من مخلفات اجهزة من قبل المستخدمين في منازلهم الخاصة في الاتحاد الأوروبي



يشير هذا الرمز على المنتج أو على علبته إلى أنه يجب عدم التخلص من هذا المنتج مع باقي النفايات المنزلية. عوضاً عن ذلك، تقع على عاتقك مسؤولية التخلص من مخلفات الأجهزة بتسليمها لمركز الجمع المعين لغرض إعادة تصنيع المخلفات من الأجهزة الكهربائية والإلكترونية. ويؤدي جمع مخلفات الأجهزة وإعادة تصنيعها، عندما يحين أوان التخلص منها، إلى مساعدتك في المحافظة على الموارد الطبيعية ويضمن إعادة تصنيعها بشكل يحمي الصحة البشرية والبيئة. للحصول على معلومات حول أماكن تسليم مخلفات الأجهزة بغرض إعادة تصنيعها، يرجى الاتصال بمكتب البلدية المحلية، أو خدمة جمع النفايات المنزلية أو المتجر حيث اشتريت المنتج.

Likvidace zařízení soukromými domácími uživateli v Evropské unii



Tento symbol na produktu nebo balení označuje výrobek, který nesmí být vyhozen spolu s ostatním domácím odpadem. Povinností uživatele je předat takto označený odpad na předem určené sběrné místo pro recyklaci elektrických a elektronických zařízení. Okamžité třídění a recyklace odpadu pomůže uchovat přírodní prostředí a zajistí takový způsob recyklace, který ochrání zdravé a životní prostředí člověka. Další informace o možnostech odevzdání odpadu k recyklaci získáte na příslušném obecním nebo městském úřadě, od firmy zabývající se sběrem a svozem odpadu nebo v obchodě, kde jste produkt zakoupili.

Bortskaffelse af brugt udstyr hos brugere i private hjem i EU



Dette symbol på produktet eller på emballagen angiver, at dette produkt ikke må bortskaffes sammen med det øvrige husholdningsaffald. I stedet er det dit ansvar at bortskaffe dit brugte udstyr ved at aflevere det ved et autoriseret indsamlingssted med henblik på genbrug af elektrisk og elektronisk udstyr. Den særskilte indsamling og genbrug af dit brugte udstyr i forbindelse med bortskaffelsen er med til at bevare naturlige ressourcer og sikre, at udstyret genbruges på en måde, som beskytter helbred og miljø. Yderligere oplysninger om steder, hvor du kan aflevere dit brugte udstyr med henblik på genbrug, kan du få på dit lokale kommunekontor, hos renovationsfirmaet for dit lokalområde eller den butik, hvor du købte produktet.

Seadmete jäätmete kõrvaldamine eramajapidamistes Euroopa Liidus



See tootel või selle pakendil olev sümbol näitab, et kõnealust toodet ei tohi koos teiste majapidamisjäätmetega kõrvaldada. Teie kohus on oma seadmete jäätmed kõrvaldada, viies need elektri- ja elektroonikaseadmete jäätmete ringlussevõtmiseks selleks ettenähtud kogumispunkti. Seadmete jäätmete eraldi kogumine ja ringlussevõtmine kõrvaldamise ajal aitab kaitsta loodusvarasid ning tagada, et ringlussevõtmine toimub viisil, mis kaitseb inimeste tervist ning keskkonda. Lisateabe saamiseks selle kohta, kuhu oma seadmete jäätmed ringlussevõtmiseks viia, võtke palun ühendust oma kohaliku linnakantsleile, majapidamisjäätmete kõrvaldamise teenistuse või kauplusega, kust Te toote ostsite.

Laitteiden hävittäminen kotitalouksissa Euroopan unionin alueella



Jos tuotteessa tai sen pakkauksessa on tämä merkki, tuotetta ei saa hävittää kotitalousjätteen mukana. Tällöin hävitettävä laite on toimitettava sähkölaitteiden ja elektronisten laitteiden kierrätyspisteeseen. Hävitettävien laitteiden erillinen käsittely ja kierrätys auttavat säästämään luonnonvaroja ja varmistamaan, että laite kierrätetään tavalla, joka estää terveyshaitat ja suojelee luontoa. Lisätietoja paikoista, joihin hävitettävät laitteet voi toimittaa kierrätettäväksi, saa ottamalla yhteyttä jätehuoltoon tai liikkeeseen, josta tuote on ostettu.

Élimination des appareils mis au rebut par les ménages dans l'Union européenne



Le symbole apposé sur ce produit ou sur son emballage indique que ce produit ne doit pas être jeté avec les déchets ménagers ordinaires. Il est de votre responsabilité de mettre au rebut vos appareils en les déposant dans les centres de collecte publique désignés pour le recyclage des équipements électriques et électroniques. La collecte et le recyclage de vos appareils mis au rebut indépendamment du reste des déchets contribue à la préservation des ressources naturelles et garantit que ces appareils seront recyclés dans le respect de la santé humaine et de l'environnement. Pour obtenir plus d'informations sur les centres de collecte et de recyclage des appareils mis au rebut, veuillez contacter les autorités locales de votre région, les services de collecte des ordures ménagères ou le magasin dans lequel vous avez acheté ce produit.

Entsorgung von Altgeräten aus privaten Haushalten in der EU



Das Symbol auf dem Produkt oder seiner Verpackung weist darauf hin, dass das Produkt nicht über den normalen Hausmüll entsorgt werden darf. Benutzer sind verpflichtet, die Altgeräte an einer Rücknahmestelle für Elektro- und Elektronik-Altgeräte abzugeben. Die getrennte Sammlung und ordnungsgemäße Entsorgung Ihrer Altgeräte trägt zur Erhaltung der natürlichen Ressourcen bei und garantiert eine Wiederverwertung, die die Gesundheit des Menschen und die Umwelt schützt. Informationen dazu, wo Sie Rücknahmestellen für Ihre Altgeräte finden, erhalten Sie bei Ihrer Stadtverwaltung, den örtlichen Müllentsorgungsbetrieben oder im Geschäft, in dem Sie das Gerät erworben haben.

Απόρριψη άχρηστου εξοπλισμού από χρήστες σε ιδιωτικά νοικοκυριά στην Ευρωπαϊκή Ένωση



Το σύμβολο αυτό στο προϊόν ή τη συσκευασία του υποδεικνύει ότι το συγκεκριμένο προϊόν δεν πρέπει να διατίθεται μαζί με τα άλλα οικιακά σας απορρίμματα. Αντίθετα, είναι δική σας ευθύνη να απορρίψετε τον άχρηστο εξοπλισμό σας παραδίδοντάς τον σε καθορισμένο σημείο συλλογής για την ανακύκλωση άχρηστου ηλεκτρικού και ηλεκτρονικού εξοπλισμού. Η ξεχωριστή συλλογή και ανακύκλωση του άχρηστου εξοπλισμού σας κατά την απόρριψη θα συμβάλει στη διατήρηση των φυσικών πόρων και θα διασφαλίσει ότι η ανακύκλωση γίνεται με τρόπο που προστατεύει την ανθρώπινη υγεία και το περιβάλλον. Για περισσότερες πληροφορίες σχετικά με το πού μπορείτε να παραδώσετε τον άχρηστο εξοπλισμό σας για ανακύκλωση, επικοινωνήστε με το αρμόδιο τοπικό γραφείο, την τοπική υπηρεσία διάθεσης οικιακών απορριμμάτων ή το κατάστημα όπου αγοράσατε το προϊόν.

Készülékek magánháztartásban történő selejtezése az Európai Unió területén



A készüléken, illetve a készülék csomagolásán látható azonos szimbólum annak jelzésére szolgál, hogy a készülék a selejtezés során az egyéb háztartási hulladéktól eltérő módon kezelendő. A vásárló a hulladékká vált készüléket köteles a kijelölt gyűjtőhelyre szállítani az elektromos és elektronikai készülékek újrahasznosítása céljából. A hulladékká vált készülékek selejtezés kori begyűjtése és újrahasznosítása hozzájárul a természeti erőforrások megőrzéséhez, valamint biztosítja a selejtezett termékek környezetre és emberi egészségre nézve biztonságos feldolgozását. A begyűjtés pontos helyéről bővebb tájékoztatást a lakhelye szerint illetékes önkormányzattól, az illetékes személtakarító vállalattól, illetve a terméket elárúsító helyen kaphat.

Smaltimento delle apparecchiature da parte di privati nel territorio dell'Unione Europea



oppure il negozio presso il quale è stato acquistato il prodotto.

Questo simbolo presente sul prodotto o sulla sua confezione indica che il prodotto non può essere smaltito insieme ai rifiuti domestici. È responsabilità dell'utente smaltire le apparecchiature consegnandole presso un punto di raccolta designato al riciclo e allo smaltimento di apparecchiature elettriche ed elettroniche. La raccolta differenziata e il corretto riciclo delle apparecchiature da smaltire permette di proteggere la salute degli individui e l'ecosistema. Per ulteriori informazioni relative ai punti di raccolta delle apparecchiature, contattare l'ente locale per lo smaltimento dei rifiuti, oppure il negozio presso il quale è stato acquistato il prodotto.

Vartotojų iš privačių namų ūkių įrangos atliekų šalinimas Europos Sąjungoje



parduotuvej, kurioje įsigijote gaminį.

Šis simbolis ant gaminio arba jo pa kuotės rodo, kad šio gaminio šalinti kartu su kitomis namų ūkio atliekomis negalima. Šalintinas įrangos atliekas privalote pristatyti į specialią surinkimo vietą elektros ir elektroninės įrangos atliekoms perdirbti. Atskirai surenkamos ir perdirbamos šalintinos įrangos atliekos padės saugoti gamtinius išteklius ir užtikrinti, kad jos bus perdirbtos tokiu būdu, kuris nekenkia žmonių sveikatai ir aplinkai. Jeigu norite sužinoti daugiau apie tai, kur galima pristatyti perdirbtinas įrangos atliekas, kreipkitės į savo seniūniją, namų ūkio atliekų šalinimo tarnybą arba

Nolietotu iekārtu iznīcināšanas noteikumi lietotājiem Eiropas Savienības privātajās mājāsaimniecībās



pārstrādei, jāvēršas savas dzīves vietas pašvaldībā, sadzīves atkritumu savākšanas dienestā vai veikalā, kurā izstrādājums tika nopirkts.

Šāds simbols uz izstrādājuma vai uz tā iesaiņojuma norāda, ka šo izstrādājumu nedrīkst izmest kopā ar citiem sadzīves atkritumiem. Jūs atbildat par to, lai nolietotās iekārtas tiktu nodotas speciāli iekārtotos punktos, kas paredzēti izmantoto elektrisko un elektronisko iekārtu savākšanai otrreizējai pārstrādei. Atsevišķa nolietoto iekārtu savākšana un otrreizējā pārstrāde palīdzēs saglabāt dabas resursus un garantēs, ka šīs iekārtas tiks otrreizēji pārstrādātas tādā veidā, lai pasargātu vidi un cilvēku veselību. Lai uzzinātu, kur nolietotās iekārtas var izmest otrreizējai

Verwijdering van afgedankte apparatuur door privé-gebruikers in de Europese Unie



worden beschermd. Neem contact op met uw gemeente, het afvalinzamelingsbedrijf of de winkel waar u het product hebt gekocht voor meer informatie over inzamelingspunten waar u oude apparatuur kunt aanbieden voor recycling.

Dit symbool op het product of de verpakking geeft aan dat dit product niet mag worden gedeponeerd bij het normale huishoudelijke afval. U bent zelf verantwoordelijk voor het inleveren van uw afgedankte apparatuur bij een inzamelingspunt voor het recyclen van oude elektrische en elektronische apparatuur. Door uw oude apparatuur apart aan te bieden en te recyclen, kunnen natuurlijke bronnen worden behouden en kan het materiaal worden hergebruikt op een manier waarmee de volksgezondheid en het milieu

Eliminering av utstyr i privathusholdningen i Den europeiske unions medlemsland



kjøpte produktet.

Dette symbolet på produktet eller emballasjen betyr at produktet ikke må kastes med vanlig husholdningsavfall. I stedet er du ansvarlig for at utbrukt utstyr leveres inn til et angitt innsamlingssted for resirkulering av elektrisk og elektronisk utstyr. Denne separate innsamlingen og resirkuleringen av utbrukt utstyr vil bidra til å bevare naturressursene - resirkuleringen foretas på en måte som beskytter menneskelig helse og miljø. For å få vite hvor du kan levere inn utbrukt utstyr for resirkulering, vennligst ta kontakt med det lokale kommunekontoret, renovasjonsvesenet eller forretningen der du

Pozbywanie się zużytego sprzętu przez użytkowników w prywatnych gospodarstwach domowych w Unii Europejskiej



recyklingu, należy się skontaktować z urzędem miasta, zakładem gospodarki odpadami lub sklepem, w którym zakupiono produkt.

Ten symbol na produkcie lub jego opakowaniu oznacza, że produktu nie wolno wyrzucać do zwykłych pojemników na śmieci. Obowiązkiem użytkownika jest przekazanie zużytego sprzętu do wyznaczonego punktu zbiórki w celu recyklingu odpadów powstałych ze sprzętu elektrycznego i elektronicznego. Osobna zbiórka oraz recykling zużytego sprzętu pomogą w ochronie zasobów naturalnych i zapewnią ponowne wprowadzenie go do obiegu w sposób chroniący zdrowie człowieka i środowisko. Aby uzyskać więcej informacji o tym, gdzie można przekazać zużyty sprzęt do

Destruição, por Utilizadores na União Europeia, de Equipamento Usado no Lixo Doméstico



sobre onde pode colocar o seu equipamento usado para reciclagem, contacte a entidade responsável local, o serviço de destruição do lixo doméstico, ou a loja onde adquiriu o produto.

Este símbolo, no produto ou na respectiva embalagem, indica que este material não deve ser destruído com outro lixo doméstico. É da sua responsabilidade destruir o equipamento usado levando-o para um local de recolha apropriado, destinado à reciclagem de produtos eléctricos e electrónicos usados. A recolha e reciclagem separada do seu equipamento doméstico quando da destruição, ajudará a preservar os recursos naturais e a assegurar que ele é reciclado através de um processo que protege a saúde humana e o ambiente. Para obter mais informações

Утилизация оборудования владельцами частных домов в странах Европейского Союза



Этот символ на изделии или его упаковке означает, что изделие нельзя выбрасывать вместе с обычным бытовым мусором. Вы обязаны сдать ненужное оборудование в специальный пункт приема и утилизации электрооборудования. Отделение ненужного электрооборудования от прочего бытового мусора и его отдельная утилизация помогут сохранить природные ресурсы и обеспечить переработку отходов безопасным для здоровья человека и окружающей среды способом. За дополнительной информацией о том, куда можно сдать ненужное электрооборудование, обращайтесь в администрацию города, местную службу утилизации отходов или магазин, где было приобретено изделие.

Bortskaffande av avfallsprodukter från användare i privathushåll inom Europeiska Unionen



Om den här symbolen visas på produkten eller förpackningen betyder det att produkten inte får slängas på samma ställe som hushållssopor. I stället är det ditt ansvar att bortskaffa avfallet genom att överlämna det till ett uppsamlingsställe avsett för återvinning av avfall från elektriska och elektroniska produkter. Separat insamling och återvinning av avfallet hjälper till att spara på våra naturresurser och gör att avfallet återvinns på ett sätt som skyddar människors hälsa och miljön. Kontakta ditt lokala kommunkontor, din närmsta återvinningsstation för hushållsavfall eller affären där du köpte produkten för att få mer information om var du kan lämna ditt avfall för återvinning.

Odstranjevanje odslužene opreme uporabnikov v zasebnih gospodinjstvih v Evropski uniji



Ta znak na izdelku ali njegovi embalaži pomeni, da izdelka ne smete odvreči med gospodinjjske odpadke. Nasprotno, odsluženo opremo morate predati na zbirališče, pooblaščno za recikliranje odslužene električne in elektronske opreme. Ločeno zbiranje in recikliranje odslužene opreme prispeva k ohranjanju naravnih virov in zagotavlja recikliranje te opreme na zdravju in okolju neškodljiv način. Za podrobnejše informacije o tem, kam lahko odpeljete odsluženo opremo na recikliranje, se obrnite na pristojni organ, komunalno službo ali trgovino, kjer ste izdelek kupili.

Likvidácia vyradených zariadení v domácnostiach v Európskej únii



Symbol na výrobku alebo jeho balení označuje, že daný výrobok sa nesmie likvidovať s domovým odpadom. Povinnosťou spotrebiteľa je odovzdať vyradené zariadenie v zbernom mieste, ktoré je určené na recykláciu vyradených elektrických a elektronických zariadení. Separovaný zber a recyklácia vyradených zariadení prispieva k ochrane prírodných zdrojov a zabezpečuje, že recyklácia sa vykonáva spôsobom chrániacim ľudské zdravie a životné prostredie. Informácie o zberných miestach na recykláciu vyradených zariadení vám poskytne miestne zastupiteľstvo, spoločnosť zabezpečujúca odvoz domového odpadu alebo obchod, v ktorom ste si výrobok zakúpili.

Eliminación de residuos de equipos eléctricos y electrónicos por parte de usuarios particulares en la Unión Europea



Este símbolo en el producto o en su envase indica que no debe eliminarse junto con los desperdicios generales de la casa. Es responsabilidad del usuario eliminar los residuos de este tipo depositándolos en un "punto limpio" para el reciclado de residuos eléctricos y electrónicos. La recogida y el reciclado selectivos de los residuos de aparatos eléctricos en el momento de su eliminación contribuirá a conservar los recursos naturales y a garantizar el reciclado de estos residuos de forma que se proteja el medio ambiente y la salud. Para obtener más información sobre los puntos de recogida de residuos eléctricos y electrónicos para reciclado, póngase en contacto con su ayuntamiento, con el servicio de eliminación de residuos domésticos o con el establecimiento en el que adquirió el producto.

Avrupa Birliği'nde Hurda Donanımların Özel Konutlardaki Kullanıcılar Tarafından Elden Çıkarılması



Tento Ürünün veya ambalajının üzerinde ki bu simge, bu ürünün diğer ev atıklarıyla birlikte elden çıkarılması gerektiğini belirtir. Hurda donanımınızın elektrikli ve elektronik hurda donanımları geri dönüştürmek için belirlenmiş toplama merkezlerine teslim edilmesi, sizin sorumluluğunuzdadır. Elden çıkardığınız hurda donanımınızın ayrı olarak toplanması ve geri dönüştürülmesi, doğal kaynakların korunmasına yardımcı olacak ve insan sağlığına ve çevreye zararlı olmayan bir yöntemle geri dönüştürülmesini sağlayacaktır. Hurda donanımınızı teslim edebileceğiniz geri dönüşüm merkezleri hakkında ayrıntılı bilgi için lütfen bölgenizdeki belediye makamlarına, ev atıklarınızı toplayan kuruluşa veya ürünü satın aldığınız mağazaya başvurun.

Equipment Warning

⚠ WARNING! To reduce the risk of personal injury, electrical shock, fire or damage to the equipment:

Plug the AC adapter into an AC outlet that is easily accessible at all times.

Disconnect power from the equipment by unplugging the AC adapter from the AC outlet or unplugging the synchronization cable from the host computer.

Do not place anything on the power cord or any of the other cables. Arrange them so that no one may accidentally step on or trip over them.

Do not pull on a cord or cable. When unplugging from the electrical outlet, grasp the cord by the plug or, in the case of the AC adapter, grasp the AC adapter and pull out from the electrical outlet.

Do not use converter kits sold for appliances to power your HP iPAQ.

Acoustics Warning

⚠ WARNING! Listening to this device at high volume levels and for extended durations may damage one's hearing. In order to reduce the risk of damage to hearing, one should lower the volume to a safe, comfortable level, and reduce the amount of time listening at high levels.



- For your own safety, before using headsets or earphones, always reset the volume. Some headphones are louder than other headphones, even if the volume control setting is the same.
- Changing the default audio or equalizer settings might lead to higher volume and should only be done with caution.
- Headsets or earphones used with this device should comply with the headphone limits in EN 50332-2.
- HP recommends using the headset delivered with your iPAQ (part number 455673-001) that is in compliance with EN 50332-1.

Airline Travel Notice

Use of electronic equipment aboard commercial aircraft is at the discretion of the airline.

Medical Electronic Equipment

If you have a medical condition that requires you to use a pacemaker, hearing aid, or any type of medical electronic equipment, consult the manufacturer of the equipment to determine if the medical equipment is shielded from RF energy. Turn off your HP iPAQ in health care facilities or hospitals when there are posted restrictions requiring you to do so.

SAR Notice

THIS DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES.

Your mobile device is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio frequency (RF) recommended by international guidelines (ICNIRP). These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit stated in the international guidelines is 0.785 mW/g*. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network.

In general, the closer you are to a base station, the lower the power output of the device. Before a phone model is available for sale to the public, compliance with the European R&TTE directive must be shown. This directive includes as one essential requirement the protection of the health and the safety for the user and any other person. The highest non-FCC SAR value for this device when tested for use at the ear is 0.785 mW/g (10 g).

This device meets RF exposure guidelines when used either in the normal use position against the ear or when positioned away from the body. When a carry case, belt clip or holder is used for body-worn operation other than the HP belt clip supplied with the product, it should not contain metal.

* The non-FCC SAR limit for mobile devices used by the public is 2.0 milliwatts/gram (mW/g) averaged over ten grams of body tissue. The guidelines incorporate a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. SAR values may vary depending on national reporting requirements and the network band.

Wireless Notices

In some environments, the use of wireless devices may be restricted. Such restrictions may apply aboard airplanes, in hospitals, near explosives, in hazardous locations, etc. If you are uncertain of the policy that applies to the use of this device, please ask for authorization to use it prior to turning it on.

U.S. Regulatory Wireless Notice

⚠ WARNING! Exposure to Radio Frequency (RF) Radiation The radiated output power of this device is below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact during normal operation is minimized.

To avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna should be minimized. No metallic body accessories are allowed and 2.0 cm spacing between PDA and the body must be maintained to satisfy RF Exposure.

This PDA has been tested and demonstrated compliance when Bluetooth, WLAN, and mobile phone are transmitting simultaneously. The highest FCC SAR value for this device when tested for use at the head is 1.09 mW/g and when tested for use at the body is 1.18 mW/g (1 g). This PDA must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC HAC Rated Category= M3, T-Coil Rated Category= T4

Canadian Regulatory Wireless Notice

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The highest IC SAR value for this device when tested for use at the head is 1.09 mW/g (1 g) and when tested for use at the body is 1.18 mW/g (1 g). This PDA must not be co-located or operating in conjunction with any other antenna or transmitter.

Brazilian Notice

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

Este equipamento atende aos limites de Taxa de Absorção Específica referente à exposição a campos elétricos, magnéticos e eletromagnéticos de radiofrequências adotados pela ANATEL.

Singaporean Wireless Notice

- Switch off your cellular telephone when in an aircraft. The use of cellular telephones in an aircraft may be dangerous to the operation of the aircraft, disrupt the cellular network, and is illegal. Failure to observe this instruction may lead to suspension or denial of cellular services to the offender, or legal action or both.
- Users are advised not to use the equipment when at a refueling point.

- Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots, chemical plants, or where blasting operations are in progress.
- The use of the Alert device to operate a vehicle's lights or horn on public roads is not permitted.
- It is advised that a handheld microphone or telephone handset should not be used by the driver while the vehicle is moving, except in an emergency. Speak only into a fixed, neck slung or clipped-on microphone when it would not distract your attention from the road.
- As with other mobile radio transmitting equipment, users are advised that for satisfactory operation of the equipment and for the safety of personnel, it is recommended that no part of the human body be allowed to come too close to the antenna during operation of the equipment.

Japanese Notice

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

この機器の使用周波数帯では、電子レンジ等の産業・科学・医療用機器のほか工場の製造ライン等で使用されている移動体識別用の構内無線局（免許を要する無線局）及び特定小電力無線局（免許を要しない無線局）が運用されています。

- 1 この機器を使用する前に、近くで移動体識別用の構内無線局及び特定小電力無線局が運用されていないことを確認して下さい。
- 2 万一、この機器から移動体識別用の構内無線局に対して電波干渉の事例が発生した場合には、速やかに使用周波数を変更するか又は電波の発射を停止した上、下記連絡先にご連絡頂き、混信回避のための処置等（例えば、パーティションの設置など）についてご相談して下さい。
- 3 その他、この機器から移動体識別用の特定小電力無線局に対して電波干渉の事例が発生した場合など何かお困りのことが起きたときは、次の連絡先へお問い合わせ下さい。

連絡先：日本ヒューレット・パッカード株式会社 TEL：0120-014121

Wireless LAN 802.11b Devices



Wireless LAN 802.11g Devices



Bluetooth Devices



Taiwan DGT Notice

低功率電波輻射性電機管理辦法

第十四條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十七條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信規定作業之無線電信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

1. SAR標準值2.0W/Kg；送測產品實測值為：0.785 W/Kg」

2. 減少電磁波影,請妥適使用。

Korean Notice

B급 기기 (가정용 정보통신기기)

이 기기는 가정용으로 전자파적합등록을 한 기기로서
주거지역에서는 물론 모든지역에서 사용할 수 있습니다.

20 Frequently Asked Questions

I am having trouble turning on my HP iPAQ. What should I do?

Your HP iPAQ seems to have problems with the battery. Please perform the following checks:

- Is the battery charged? If the LED on your HP iPAQ is flashing red, it indicates a low battery charge. For best results, charge the battery fully. The solid green LED display indicates full battery charge.
- Is the battery properly installed? Make sure the battery connectors on the battery are aligned with the housing pins in the battery compartment. For more information, see [Step 2: Install the battery and replace the battery cover on page 8](#).
- Are the battery connectors on the battery and housing pins in the battery compartment clean? If these appear to be soiled, contact your dealer to get them cleaned.
- Try charging your battery using the AC adapter. For more information, see [Step 3: Charge the battery on page 9](#).
- Perform a hard reset on your HP iPAQ by pressing and releasing the **Reset** button located at the top of your HP iPAQ with the stylus.

I am unable to make or receive calls. How do I fix this?

If you have problems making or receiving calls, please perform the following checks:

- Is the reception of the network signal good? You might be located within closed boundaries. If yes, move to an open space or closer to a window. For more information, see [Check connection and signal strength on page 22](#).
- Is the network set up properly? If necessary, try to select your network manually. For more information, see [View available phone networks on page 31](#).
- Have you activated the **Fixed Dialing**, **Call Forwarding**, and **Call Barring** functions? If yes, deactivate them temporarily.
- Are you using two SIM cards, one with the **Enable SIM PIN** function activated and the other with the **Enable SIM PIN** function deactivated? If yes, deactivate the **Enable SIM PIN** function temporarily. For more information, see [Change the SIM PIN on page 28](#).
- Is your HP iPAQ switched to the Flight mode? If yes, turn it off. For more information, see [Use Wireless Manager on page 73](#).

Why do my calls keep disconnecting?

This could be a result of poor signal strength. If you have this problem, please check the following:

- Is the reception of the network signal good? You might be located within closed boundaries. If yes, move to an open space or closer to a window. For more information, see [Check connection and signal strength on page 22](#).
- Try to select your network manually. For more information, see [View available phone networks on page 31](#).
- Contact your service operator, to check if the network has been set properly and necessary provisioning of services is available.

I have trouble connecting to the Internet. What should I do?

If you have trouble connecting to the Internet, please perform the following checks:

- Is the reception of the network signal good? You might be located within closed boundaries. If yes, move to an open space or closer to a window. For more information, see [Check connection and signal strength on page 22](#).
- Make sure you have subscribed for a data service from your service operator.
- Make sure you entered correct setting parameters, such as APN and IP addresses in data profile setup.

I am unable to hear voices clearly. How do I resolve this?

Is the reception of the network signal good? You might be located within closed boundaries. If yes, move to an open space or closer to a window. For more information, see [Check connection and signal strength on page 22](#).

If you are unable to hear the voices clearly, the volume might be set to low. Increase the volume.

When I answer calls on my HP iPAQ, the caller is unable to hear my voice clearly. What could be the problem?

Is the reception of the network signal good? You might be located within closed boundaries. If yes, move to an open space or closer to a window. For more information, see [Check connection and signal strength on page 22](#).

During a call, if the caller is unable to hear your voice clearly, make sure you have turned off the in-call mute function.

It takes a very long time or I am unable to send an SMS or MMS. What do I do?

If you have problem sending an SMS or MMS, please perform the following checks:

- You should have at least 1.5 to 2 MB of free memory space on your HP iPAQ so that the device operates efficiently. To check the free memory space, tap **Start > Settings > System > Memory**.
- Is the reception of the network signal good? You might be located within closed boundaries. If yes, move to an open space or closer to a window. For more information, see [Check connection and signal strength on page 22](#).
- Try to select your network manually. For more information, see [View available phone networks on page 31](#).
- Contact your service operator, to check if the network has been set properly and necessary provisioning of services is available.

I cannot use certain call functions. What should I do?

To use certain advanced call functions, such as **Call Forwarding** and **Call Barring**, you might need to subscribe to these services from your service operator.

Why do I hear noises in the background during a phone call?

You might hear noises in the background if you use your HP iPAQ near electronic equipment, such as microwave oven, speakers, or a television set. Avoid using your HP iPAQ near such items as it has an adverse effect on the voice quality.

How can I improve the standby time and talk time on my HP iPAQ?

Follow the guidelines given below to improve the standby and talk times on your HP iPAQ.

- The HP iPAQ might consume more power when the signal reception is poor. Try to move to an open location when you use your HP iPAQ.
- If you are not using the Push e-mail service, a service that continuously checks for e-mail messages with the Web server, disable it as it consumes excessive battery capacity and reduces the standby time.
- If you are using a new battery, it might take several charging and discharging cycles to reach its original capacity. Use the HP iPAQ after charging the battery completely. The solid green LED display indicates full battery charge.
- Do not overcharge or completely discharge the battery, as it might damage the battery and reduce the standby and talk time.
- If your battery is very old, replace it with a new one.
- Avoid using the HP iPAQ in very high or low temperature environments. The efficiency of a battery can be affected by extreme temperature conditions. To know more about the operating temperatures on your HP iPAQ, see [Operating environment on page 115](#).

Why does the HP iPAQ operate slowly sometimes?

You should have at least 1.5 to 2 MB of free memory space on your HP iPAQ so that the device operates efficiently. To check the free memory space, tap **Start > Settings > System > Memory**.

Remember to delete or transfer old e-mail messages and pictures on your HP iPAQ to free available memory space. If you have many applications running on your HP iPAQ, close some applications to free memory. For more information, see [Open and close programs on page 16](#) and [Install and remove programs on page 16](#).

I have trouble charging my battery. What should I do?

If you have trouble charging your battery, please perform the following checks:

- Is the battery charger correctly plugged into the mini-USB connector on the HP iPAQ? To know more about charging the battery, see [Step 3: Charge the battery on page 9](#)
- Is the power cord of the charger damaged?
- Is the battery charging slowly? If yes, set the HP iPAQ to **Fast Charge**. To know more, see [Power on page 112](#).
- Is the battery very old? If yes, replace with a new battery and try again.

I am unable to synchronize my HP iPAQ with my computer. What should I do?

To use the ActiveSync feature with Windows XP, upgrade your computer to the latest version of ActiveSync. It is recommended to use ActiveSync 4.5 or a higher version.

To use the WMDC feature with Windows Vista, upgrade your computer to the latest version of WMDC. It is recommended to use WMDC 6.1 or a higher version.

Visit <http://www.microsoft.com/downloads> for the latest versions.

Which factors degrade the GPS signal and affect accuracy?

The GPS signal slows down when:

- It reflects off objects such as tall buildings or large rock surfaces before reaching the receiver. Performance is impacted when the HP iPAQ is used inside vehicles having thermal glass windshields. The thermally shielded glass blocks the GPS signal from reaching the HP iPAQ.
- You are indoors, underwater, or underground.
- You are running multiple applications while connecting.

My HP iPAQ was connected while I was installing WMDC. But, WMDC does not launch even after installation?

In some cases after an upgrade, you will need to disconnect and reconnect the HP iPAQ for WMDC to launch.

Can I set up an active connection between my HP iPAQ and a computer using Bluetooth for the first time?

No, the initial connection between your HP iPAQ and the computer needs to be created only through a mini-USB synchronization cable using ActiveSync for Windows XP and WMDC for Windows Vista. After this initial connection, you will be able to set up Bluetooth for future connections.

My HP iPAQ becomes very hot when I use it, what has happened?

It is normal for the HP iPAQ to get a little warm when you use it continuously for prolonged periods, especially when making calls of very long duration or placing a heavy demand on the HP iPAQ when using GPS. Your HP iPAQ might also get a little warm when you charge it.

21 Safety information

To reduce the risk of bodily injury, electric shock, fire, and damage to the equipment, observe the safety precautions in this document.

General Precautions

Heed service markings: Except as explained elsewhere in your product documentation, do not service your product yourself. Opening or removing covers that are marked  may expose you to electric shock. For service information on components inside these compartments, call Customer Care.

Request service for damaged products: Turn off the product, unplug it from the electrical outlet, and request service from a service partner under the following conditions:

- The power cord or plug is damaged.
- Liquid has been spilled into the product.
- An object has fallen into the product.
- The product has been exposed to rain or water.
- The product has been dropped or damaged.
- There are noticeable signs of overheating.
- The product does not operate normally when you follow the operating instructions.

Avoid hot areas: The product should be placed away from heat sources such as radiators, heat registers, stoves, and other products (such as amplifiers) that produce heat.

Allow the product to cool: Allow the product to cool before removing covers and touching internal components.

Avoid wet areas: Never use the product in a wet location.

Avoid inserting objects into product: Never insert objects of any kind into slots or other openings in the product.

Avoid blocking vents: Slots and openings are provided for ventilation. To prevent overheating, do not obstruct vents. Using a computer on a soft surface, such as a pillow, blanket, rug, or thick clothing may block airflow.

Clean the product properly: Unplug the product from the wall outlet before cleaning it. Do not use liquid cleaners or aerosol cleaners. Use a soft cloth dampened with water for cleaning exterior components, but NEVER apply water directly to the product or to an LCD screen.

Use recommended mounting accessories: Do not use the product on an unstable table, cart, stand, tripod, or bracket. Mount the product according to the manufacturer's instructions, and use a mounting accessory recommended by the manufacturer.

Use the product with approved equipment: Use your product only with the computers and accessories identified as suitable for use with your product.

Adjust the volume: Turn down the volume before using headphones or other audio devices.

Safety Precautions for Power Cords and Accessories

⚠ WARNING! To reduce the risk of electric shock, fire, or damage to the equipment, do not attempt to power the product with a voltage converter kit sold for appliances.

Use the correct external power source: A product should be operated only from the type of power source indicated on the electrical ratings label. If you are not sure of the type of power source required, call Customer Care, your service partner, or local power company. For a product that operates from battery power or other sources, refer to the operating instructions that are included with the product.

Avoid overloading the electrical circuit: Do not overload an electrical outlet, power strip, or convenience receptacle. The overall system load must not exceed 80% of the branch circuit rating. If power strips are used, the load should not exceed 80% of the input rating of the power strip.

Observe extension cord ratings: If an extension cord or power strip is used, make sure that the cord or strip is rated for the product and that the total ampere ratings of all products plugged into the extension cord or power strip do not exceed 80% of the ampere rating limit of the extension cord or power strip.

Select the correct voltage: Ensure that the voltage select switch on the product is in the correct position for the type of voltage you use (115 V ac or 230 V ac).

Use an approved AC adapter: Only the AC adapter provided with the product, a replacement AC adapter provided by HP, or an AC adapter purchased as an accessory from HP should be used with the product.

Use an approved power cord: If you were not provided with a power cord for your product, you should purchase a power cord that is approved for use in your country.

The power cord must be rated for the product and for the voltage and current marked on the electrical ratings label of the product. The voltage and current rating of the cord should be greater than the voltage and current rating marked on the product. In addition, the diameter of the wire must be a minimum of 0.75 mm²/18AWG, and the length of the cord should be between 1.5 meters (5 feet) and 2 meters (6.5 feet) long. If you have questions about the type of power cord to use, call Customer Care.

Position the power cord carefully: Route the power cord so that it will not be walked on, tripped over, or pinched by items placed upon or against it. Pay particular attention to the plug, electrical outlet, and the point where the power cord exits the product.

Plug power cord into the proper outlet: Plug the product into an electrical outlet that is easily accessible at all times. If the product is a 3-wire grounding type, be sure the outlet is the proper grounded (earthed) type. Do not disable the power cord grounding plug because it is an important safety feature.

Unplug the power cord properly: Disconnect power from the product by unplugging the power cord from the electrical outlet. Do not pull on cords and cables. When unplugging the cord from an electrical outlet, grasp and pull the cord by the plug.

Safety Precautions for Battery Packs

⚠ WARNING! To reduce the risk of fire or burns, do not disassemble, crush, or puncture a battery pack; short the external contacts on a battery pack; or dispose of a battery pack in fire or water. Do not expose a battery pack to high temperatures above 60°C (140°F). Replace only with a battery pack approved for this computer.

WARNING! There is a danger of explosion if a battery pack is incorrectly replaced. Replace it only with an approved battery pack for this product.

WARNING! Keep battery packs away from children.

Handle battery packs carefully: Replace a battery pack only with a battery pack approved for this product. For information about removing a battery pack, refer to your product documentation.



When a battery pack has reached the end of its useful life, do not dispose of the battery pack in general household waste. Follow the local laws and regulations in your area for computer battery pack disposal.

In Europe, dispose of or recycle the battery packs by using the public collection system or by returning them to HP, your service partner, or their agents.

Safety Precautions for Docking Devices

Avoid unstable mounting: Do not place a monitor with an unstable base or a monitor heavier than 25 kilograms (55 pounds) on top of a monitor stand, unless the monitor stand is marked for use with a heavier monitor. Instead, place the monitor on a work surface next to the docking device.

Safety Precautions for Products with Wireless Devices

⚠ WARNING! Exposure to radio frequency radiation. The radiated output power of wireless devices is below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact during normal operation is minimized. To avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna should not be less than 20 cm (8 inches) during normal operation.

Safety Precautions for Products with Modems, Telecommunications or Local Area Network Accessories

-
- ⚠ WARNING!** To reduce the risk of fire, electric shock, and injury to persons when using this device, always follow basic safety precautions, including the following:
-
- Do not use this product near water—for example: near a bathtub, washbowl, kitchen sink or laundry tub; in a wet basement; or near a swimming pool.
 - Avoid using this product during an electrical storm. There is a remote risk of electric shock from lightning.
 - Do not use this product to report a gas leak while in the vicinity of the leak.
 - Always disconnect the modem cable before opening the equipment enclosure or touching an uninsulated modem cable, jack, or internal component.
 - If this product was not provided with a telephone line cord, use only No. 26 AWG or larger telecommunication line cord in order to reduce the risk of fire.
 - Do not plug a modem or telephone cable into the RJ-45 (network) jack.

22 Guidelines for care and maintenance

It is recommended that you follow certain guidelines to keep your HP iPAQ in a good condition and prevent it from possible damage.

Use your HP iPAQ

- Avoid using your HP iPAQ in dusty and extremely high or low temperature environments.
- Do not spill water on your HP iPAQ or use it in the rain.
- Avoid removing the battery without turning off your HP iPAQ.
- Do not apply strong force or shock to your HP iPAQ.
- Keep the HP iPAQ and its accessories away from children.
- Do not insert metal objects into the mini-USB port of your HP iPAQ. This can short-circuit the battery.

Cleaning your HP iPAQ

- Use a soft, clean, and slightly moistened cloth to clean your HP iPAQ. Do not let water come into contact with your HP iPAQ.
- Do not wipe your HP iPAQ with any corrosive liquid or coarse objects. This can damage the outer surface of your HP iPAQ.

Carrying or storing your HP iPAQ

- Do not leave your HP iPAQ in extreme high or low temperature environments.
- Remove the battery from your HP iPAQ if it is not going to be used for a long period of time. Store the HP iPAQ and its battery in a cool, dark, and dry place.

Use accessories

- Use original HP batteries and chargers to charge your HP iPAQ.
- Do not use your HP iPAQ battery and charger for other purposes.
- For information on accessories for your HP iPAQ, visit <http://www.hp.com/accessories/ipaq>.

23 Quick reference

Acronyms

Acronym	Expansion
A2DP	Advance Audio Distribution Profile
AGC	Automatic Gain Control
AVRCP	Audio/Video Remote Control Profile Client
BIP	Basic Image Push Profile
BPP	Basic Printing Profile
CCX	Cisco Compatible Extensions
CDRH	Center for Devices and Radiological Health
CTM	Cellular Text Telephone Modem
DNS	Domain Name Server
DRM	Digital Rights management
EDGE	Enhanced Data Rates for GSM Evolution
EMS	Enterprise Mobility Agent
FTP	File Transfer Profile
GAP	Generic Access Profile
GAVDP	Generic Audio/Video Distribution Profile
GOEP	Generic Object Exchange Profile
GPRS	General Packet Radio Service
GPS	Global Positioning System
HFP	Hands-free Profile
HID	Human Interface Device Profile Host
HSDPA	High Speed Download Packet Access
HSP	Handset Profile
ICNIRP	International Council on Non-Ionizing Radiation Protection
IEEE	Institute of Electrical and Electronics Engineers
IMAP4	Internet Message Access Protocol 4
ISP	Internet Service Provider
LAN	Local Area Network
LDAP	Lightweight Directory Access Protocol

Acronym	Expansion
MicroSD	Micro Secure Digital
MMS	Multimedia Messaging Service
OPP	Object Push Profile
OS	Operating System
PAN	Personal Area Networking Profile
PBAP	Phone Book Access Profile
PIM	Personal Information Manager
POP3	Post Office Protocol 3
RF	Radio Frequency
RTF	Rich Text Format
SAR	Specific Absorption Rate
SIM	Subscriber Identification Module
SMS	Short Messaging Services
SMS-CB	Short Message Service Cell Broadcast
SMTP	Simple Mail Transfer Protocol
SPP	Serial Port Profile
STK	SIM Toolkit
TNEF	Transport Neutral Encapsulation Format
TTY	Tele-typewriter
VoIP	Voice over Internet Protocol
VPN	Virtual Private Network
WAP	Wireless Access Point
WCDMA	Wideband Code Division Multiple Access
Wi-Fi	Wireless Fidelity
WLAN	Wireless Local Area Network
WMDC	Windows Mobile Device Center

Icons used

Given below is a list of icons available on your HP iPAQ and used in this guide.

Today screen icons

Icon	Description	Icon	Description
	Speaker		Alarm
	Wireless Manager		Calendar

Camera icons

Icon	Description	Icon	Description
	Images / Recording time balance		Images / Recording time balance
	Flash off		Flash on
	Resolution		Exit
	HP PhotoSmart Mobile		Video mode
	Settings		Zoom
	Brightness		Panorama
	Stitch images		Previous
	Next		Camera mode
	Send image		Delete
	Play		

HP PhotoSmart Mobile icons

Icon	Description	Icon	Description
	Sideshow		Sound
	Delete		

MMS icons

Icon	Description	Icon	Description
	Play preview		Smiley
	Favorites		Chat

Notes icons

Icon	Description	Icon	Description
	Voice note		Recorded voice note

General icons

Icon	Description	Icon	Description
	EMS		Previous
	Next		Play
	Stop		Stop (slideshow view)
	Record		Pause
	Input selector		Shift
	Shift lock		Function
	Function lock		

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