

HP iPAQ Voice Messenger Product Guide



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1 Welcome to your HP iPAQ and product registration

Welcome and congratulations on the purchase of your HP iPAQ Voice Messenger!


This Product Guide provides you with instructions necessary to set up, use and enjoy your new HP iPAQ. Please read the user instructions contained in this Product Guide before using your HP iPAQ. This Product Guide will give you a comprehensive understanding of all the features and functionalities available in your HP iPAQ Voice Messenger and enables you to use them to its fullest potential.

 **NOTE:** In addition to the instructions contained in this HP iPAQ Product Guide, you can find further product information at <http://www.hp.com/support>.

We also invite you to register your new HP iPAQ with Hewlett-Packard to perform the following tasks:

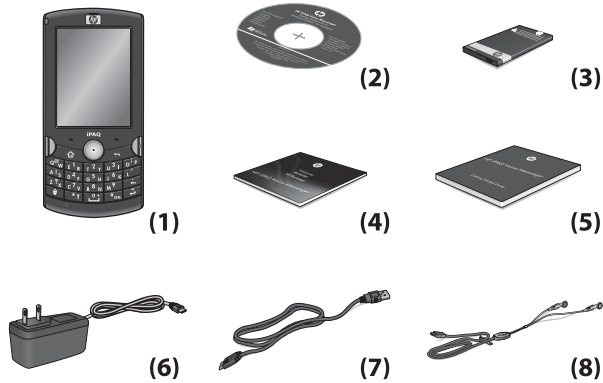
- Access support and services, and get the most out of your HP products.
- Sign up for free support alerts, software updates, and personalized newsletters.

Visit <http://www.register.hp.com> to register your HP iPAQ or to update your postal or e-mail address after registration. You are required to enter your user ID and registration password to edit your online profile. After registering your HP iPAQ, you will receive an e-mail message on special offers and promotions.

 **NOTE:** Registration is not supported in all countries/regions.

2 Box contents

This illustration shows the items that are included in the box with your HP iPAQ.

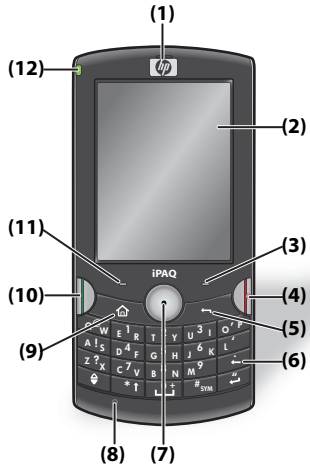


(1)	HP iPAQ Voice Messenger
(2)	Getting Started CD with additional software
(3)	1260 mAh Li-polymer removable/rechargeable battery
(4)	Welcome Guide
(5)	Getting Started Guide
(6)	AC adapter NOTE: The AC adapter shipped with your HP iPAQ might vary depending on the country/region.
(7)	Micro-USB synchronization cable
(8)	2.5 mm wired stereo headset

3 Components

Identify the different components of your HP iPAQ, understand its functions, and use your HP iPAQ to its full potential.

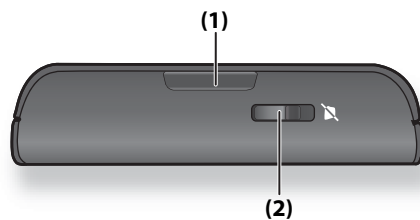
Front panel components



Component	Description	Function
(1)	Receiver	Use to listen to phone calls, sounds, and notifications.
(2)	Display	Use to view the on-screen contents.
(3)	Right Softkey	Press to access the displayed functions and menus.
(4)	End/Power Key	Performs the following functions: <ul style="list-style-type: none"> • Press and hold to turn your HP iPAQ on and off. • Press to end a phone call. • Press to return to the Home screen from any program. • Press to activate the device from sleep mode.
(5)	Back Key	Press to return to the previous screen or exit a program. Press to activate the device from sleep mode.
(6)	QWERTY Keyboard	Use keys on the keyboard to enter text or dial numbers. Press to activate the device from sleep mode. NOTE: The keyboard layout on your HP iPAQ might vary depending on the country/region.
(7)	5-way Optical Navigation with Center Select Button	Navigate up, down, left, and right on the screen. Slide your thumb or finger in the direction you want to scroll. Press the Center button to select the item highlighted on the screen.

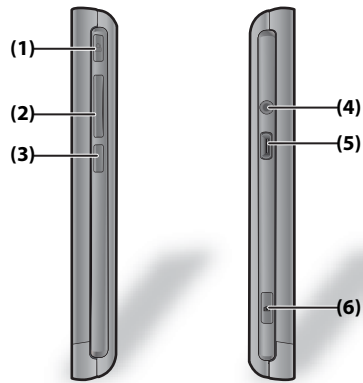
Component	Description	Function
(8)	Microphone	Use the microphone for making phone conversations, recording notes, and providing voice commands to your HP iPAQ.
(9)	Home Key	Press to return to the Home screen from any program. NOTE: Press and hold to view the Quick List .
(10)	Answer/Send Key	Performs the following functions: <ul style="list-style-type: none"> • Press to answer a call. • Press to make a call from Call or Contacts list. • Press twice to redial the last dialed number. • Press to activate the device from sleep mode.
(11)	Left Softkey	Press to display the Start menu from the Home screen to access programs and perform the function displayed on the screen.
(12)	LEDs	Indicates battery, network, or device status. <ul style="list-style-type: none"> • Quick 3 Blink Red - Device or charging error • Blinking Orange - Phone on and out of coverage area, or phone on with no SIM card present • Solid Green - Battery fully charged and connected to the power source • Solid Red - Charging when the battery is low • Blinking Red - Low battery warning

Top panel components



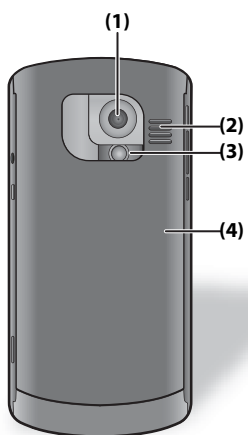
Component	Description	Function
(1)	Back Cover Latch	Press to release the back cover.
(2)	Ringer/Sound Switch	Use to switch off incoming call rings and system notification alert sounds.

Left and Right panel components



Component	Description	Function
(1)	Key Guard Button	Press to lock the keyboard. Press to activate the device from sleep mode.
(2)	Volume Up/Down Key	Press to increase or decrease the volume. Press once to temporarily mute the ringtone and notification sounds.
(3)	Voice Commander Button	Press and hold to launch Voice Commander .
(4)	Stereo Headphone Jack (2.5mm)	Use to connect the stereo headphones to your HP iPAQ.
(5)	Micro-USB Connector	Use to connect the Micro-USB synchronization cable and the charger.
(6)	Camera Button	Use to launch the camera to capture photos and videos.


Back panel components



Component	Description	Function
(1)	3.1 Mega Pixel Camera	Auto-focus 5x digital zoom camera, use to capture photos and videos.
(2)	Speaker	Use the speaker to listen to music or as a speakerphone.
(3)	Camera Flash LED	Use the camera flash LED to illuminate your subject while you capture photos.
(4)	Back Cover	Remove to insert or remove the battery, the SIM card, and the microSD card.

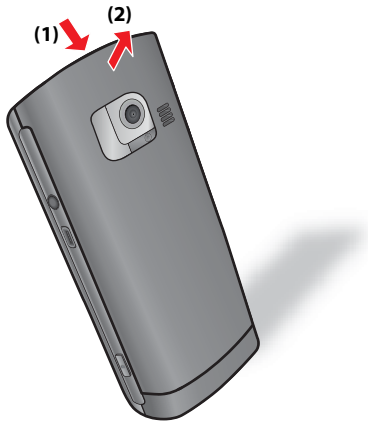
4 Set up your HP iPAQ

Follow these steps to set up and use your HP iPAQ. Carefully remove your HP iPAQ and all the components from the box before beginning to set up your HP iPAQ.

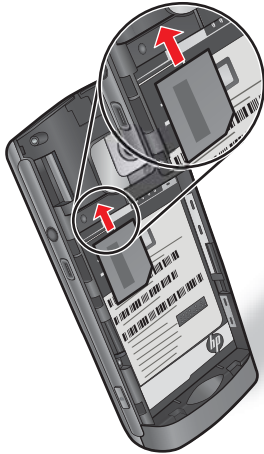
 **NOTE:** Do not place your HP iPAQ on a hard surface with the screen facing down. Placing the screen on hard surface can cause scratches on the screen surface.


Step 1: Remove the battery cover and insert the SIM card

1. Press the back cover release latch (1), and then pull the back cover (2) from your HP iPAQ as shown in the figure.



2. Slide the SIM card into the SIM card slot.



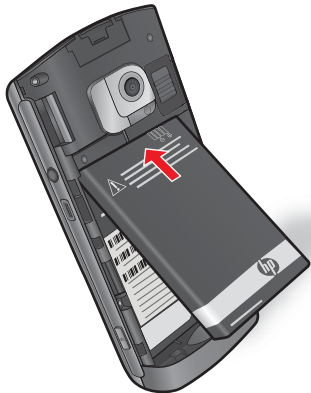
NOTE: If the battery is already inserted, remove it before inserting the SIM card. Also, make sure that the metal contacts are facing down and the notched corner is in the correct position. If the SIM card is not properly inserted in the HP iPAQ,  (No SIM card installed icon) will be displayed on the title bar at the top-right corner of the screen after you turn on your HP iPAQ.

The SIM card is provided by a mobile phone service provider.

If your HP iPAQ is SIM-locked, please contact your service provider.

Step 2: Insert the battery and replace the battery cover

1. Align the battery connectors on the battery with the housing pins in the battery compartment and insert the battery.



2. Replace the battery cover and press at the top and bottom of the cover until it locks into place.



Step 3: Charge the battery



△ **CAUTION:** To avoid damaging your HP iPAQ or the AC adapter, make sure all the metal connectors are correctly aligned before connecting to the power source.

The battery provides power for your HP iPAQ to operate. Use the AC adapter to charge the battery inside your HP iPAQ.

It takes approximately 2 to 4 hours to fully charge the battery for the first time. Charging might take more time when your HP iPAQ is connected to a powered computer or with non-HP accessories.


To charge the battery:

1. Connect the AC adapter (input: 100-240VAC, 47-63Hz, output: 5VDC, 1A) to an electrical outlet.
2. Connect the other end of the cable to the Micro-USB connector port on your HP iPAQ. The cable connector only fits one way. If the connector does not insert easily, turn it over.

💡 **TIP:** You can also charge the battery by connecting your HP iPAQ to a USB port on your computer through the Micro-USB synchronization cable. The HP iPAQ must be turned on for it to be charged using the USB connection. The LED indicator turns solid red while the battery is charging.

Step 4: Turn on your HP iPAQ

Press and hold the **Power** key for a few seconds to turn on your HP iPAQ. Follow the instructions on the screen to complete the setup. Use the keyboard to enter information. For more information, see [Keyboard on page 13](#).

 **NOTE:** The first time you turn on your HP iPAQ, it will take a few minutes to become fully functional. The keyboard will not be active during this period.

5 Get started with your HP iPAQ

Get to know more about the **Home** screen and its functions and about the **Getting Started** program.

Home screen

The **Home** screen is displayed when your HP iPAQ is turned on completely. It displays the date and time. It also provides a quick status of upcoming appointments, your current iPAQ profile, and the number of unread text messages. The connectivity icons, battery indicator, and text mode icons are displayed at the top of the **Home** screen.


You can view and access the following from shortcuts on the **Home** screen:

- **Clock and Date:** View the current time and date. Select to access the **Clock & Alarm** settings. For more information on **Clock & Alarm** settings, see [Set clocks and alarms on page 22](#).
- **Phone:** View **Missed Calls**, **Voicemails**, **Text Messages**, **Media Messages**, and **E-mails**. Select the required option to view detailed information.
- **Calendar:** View existing appointments or create new appointments. Select to launch the Calendar program. For more information, see [Set clocks and alarms on page 22](#).
- **Getting Started:** Select to learn how to perform frequently used tasks and to set up your HP iPAQ. For more information see, [Getting Started on page 12](#).
- **Play All Songs:** Select to play all the music files stored on your HP iPAQ. To change the song, use the **Center** button to navigate to the required song and select it.
- **Photos:** View thumbnails of images stored on your HP iPAQ. Select the required thumbnail to view the full screen image.
- **Settings:** Select to change your HP iPAQ settings. For more information see individual sections on **Profiles** [Manage profiles on page 19](#), **Wireless Manager** [Use Wireless Manager on page 67](#), **Ringtone** [Adjust the ring tone and notification sounds on page 19](#), **Background Image** [Home screen on page 11](#), and **Task Manager** [Task Manager on page 100](#).


You can also customize your **Home** screen.

To customize the **Home** screen:

1. Press **Start > Settings > Home Screen**.
2. You can customize the following **Home** screen settings:
 - **Home screen layout**
 - **Color scheme**
 - **Background image**
 - **Time out**

 **TIP:** The nine most recently accessed programs are displayed on the **Start** menu. Press **All Programs** to view the other applications. To disable this, clear the **Show Recent Programs** check box.

3. Press **Done**.










 **NOTE:** **Start** is the default left softkey located at the bottom of the **Home** screen. The **Start** softkey is also the **Notification** softkey. Any type of alert, such as a meeting reminder, is displayed on the **Home** screen as a notification.

Getting Started

Use the **Getting Started** program to learn how to perform frequently used tasks and to set up your HP iPAQ. To launch the program, select **Getting Started** on the **Home** screen or press **Start > HP Help and Support > Getting Started**. Select the task that you want to learn about.

Status icons

The following table shows the common status indicators and what they mean.

Icon	Status	Icon	Status
	Missed call		Voice call active
	Call on hold		No SIM card installed
	SIM card fault		New voice mail
	New e-mail or SMS		Instant message received
	Battery level low		Battery charging
	Battery level		Vibrate mode
	Silent mode		Speakerphone on
	Wi-Fi on		Wi-Fi on and network detected
	Wi-Fi connected		Headset detected
	Bluetooth stereo headset detected		Roaming
	General Packet Radio Service (GPRS) available		GPRS available in roaming
	GPRS connecting		GPRS in use
	Enhanced Data Rates for GSM Evolution (EDGE) available		EDGE available in roaming
	EDGE connecting		EDGE in use
	GSM service only		Phone connection unavailable or network error
	Radio off		3G service available
	3G connecting		3G in use
	High Speed Packet Access (HSPA) service available		HSPA connecting
	HSPA in use		Alarm reminder
	Notification received		ActiveSync® connected
	ActiveSync inactive		Power Save Mode on
	Bluetooth on		Bluetooth mono headset detected

Keyboard

Answer/Send key

Press **Ⓜ** (Answer/Send key) to make and receive calls, and to access the recent call log. Press this key to activate the device when it is in sleep mode.

End key

Press **Ⓜ** (End key) to end a call or exit any program to return to the **Home** screen. Press and hold this key for about 3 seconds to turn your HP iPAQ on or off. Press this key to activate the device from sleep mode.

Home key

Press **Ⓜ** (Home key) to return to the **Home** screen without exiting a program. Press this key to activate the device from sleep mode.

NOTE: Press and hold **Ⓜ** (Home key) to view the **Quick List**. You can turn off, lock, access task manager, access the wireless manager, and change the profiles.

Back key

Press **Ⓜ** (Back key) to move to the previous screen within a program. You can also close a program by pressing this key. Press this key to activate the device from sleep mode.

Softkeys


Touch the left or right softkeys to perform the function displayed on the screen.

On the **Home** screen, touch the left softkey to access the **Start** menu and the right softkey to access **Contacts**.

Keyboard layout

Use the keyboard to enter text, numbers, and symbols. Your HP iPAQ supports the **Multi-tap** and **Predictive** modes for entering text.

NOTE: The keyboard layout on your HP iPAQ might vary depending on the country/region.

Keyboard	Layout
	QWERTY

Keyboard

Layout



QWERTZ



AZERTY







Enter text

Use the keyboard to enter text in various programs.

 **NOTE:** The keyboard layout on your HP iPAQ might vary depending on the country/region.


Your HP iPAQ anticipates what you are going to type and suggests words based on the typed context when you type in a program. The suggestions appear either in a floating suggestion box or in a fixed suggestion window containing up to four word suggestion boxes with a phrase suggestion box. You can save time and keystrokes by selecting words from the suggestion box.

A list and description of the status indicators is given in the table below:

Status indicators	Description
	Type characters in uppercase
	Type the first character in uppercase
	Type characters in lowercase
	Type in predictive text mode
	Type numbers
	Type the first character as a number



Change the suggestion functions and the text modes using the **Fast Menu** on your HP iPAQ. The status indicator on the top of the display screen shows the current input mode.

To use the **Fast Menu**:

1. Open a new text or e-mail message.
2. Press and hold  (Star key) to display the **Fast Menu**.
3. Select the mode you want to use. You can select the following modes and functions:

- **Predictive mode** - Enter text and select the suggestions your HP iPAQ provides as you type.


For example, to enter the word “mike”, press the key with the letter “M” and then the key with the letter “I”. As you type, a list of words is displayed on the screen. You can select a word from this list. If the word to use is not displayed more suggestions will be listed as you continue to type.

 **NOTE:** When using the **Predictive mode**, pressing  (Backspace key) the text mode will change to **Multi-tap mode** to help correct typing or entry errors and pressing the space key will activate the **Predictive mode** again.


- **Multi-tap mode** - Press each key multiple times until the required letter is displayed.

For example, to enter the word “van”, press the key with the letter “V” twice, press the key with the letter “A” once, and then press the key with the letter “N” twice.

- **Dictionary** - View your personal dictionary, or add and manage new dictionaries.


To add a new dictionary, press and hold  (Star key) to display the **Fast Menu**, select **Dictionary > Add New Dictionaries**, and then follow the instructions on the screen.

- **Priority** - Select a dictionary that gets priority over other dictionaries.

Sometimes words can have similar spellings but different meanings in different languages. To avoid problems, you can prioritize dictionaries to make suggestions from one dictionary before another. Press and hold  (Star key) to display the **Fast Menu**, select **Priority**, and then select the **Dictionary** you want to set as a priority.

- **Options** - Access a list of options to adjust the settings. You can adjust the following settings:



- **Mode** - Select Predictive or Multi-tap mode.
- **Display** - Change settings for suggestion window.

 **NOTE:** Display settings are different for Predictive and Multi-tap mode. Select mode and configure the Display Settings for that mode.


- **Applications** - Change the text input program settings.
- **Dictionary** - View your personal dictionary, and installed dictionaries, and add new dictionaries.

- **Help** - Access the help guide.

Enter key

Press  (Enter key) to launch the program highlighted on the screen. You can also make a call or move to the next line while entering text by pressing  (Enter key).

Backspace key

Press  (Backspace key) to move the cursor back and to progressively delete the text or characters. When browsing, if the cursor is not in an input field, pressing the backspace key takes you to the previous Web page.

Shift key

Press **⇧** (Shift key) once to enter a single character in uppercase and twice for Shift Lock to enter all characters in upper case.

Press and hold to access the **Fast Menu**.

Options key

Some keys have characters marked as superscript. To enter the superscript character, press **⌘** (Options key) and then press the appropriate character key. Press the Options key twice to enable option lock. Press the Options key once to disable option lock and toggle back to enter main characters.

Press **⌘** (Options key) again to return to the text input mode.

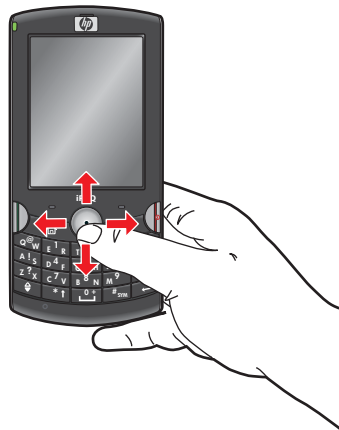
Symbol key

Press **⌘** (Symbol key) twice to see symbols, special characters, and emoticons from the displayed chart. Highlight the symbol that you want to add to the message or document and then press the **Center** button. Continue to add more symbols if required and press **Done** to close the chart.

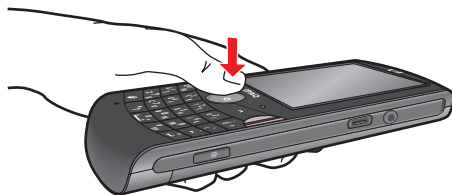
Center button

Use the **Center** button to navigate through your display, e-mails, messages, menus, settings, and select the highlighted program on your HP iPAQ.

Glide your thumb or finger over the **Center** button to navigate up, down, left, or right.



Press the **Center** button to make a selection.



Know your HP iPAQ

View your HP iPAQ to find the serial number and operating system information. Launch and use the different programs installed on your HP iPAQ to increase your productivity and help you with your day-to-day tasks.

Find information about your HP iPAQ

You can use your HP iPAQ to retrieve its own serial number and model number. You can also obtain information about the hardware and the software installed on your HP iPAQ.

To view the serial number:

1. Press **Start > HP Help and Support > HP Asset Viewer**.
2. Press **Identity** to view the **Serial Number**.
3. Press **Done**.

To view the model number:

1. Press **Start > HP Help and Support > HP Asset Viewer**.
2. Press **System** to view the **Model ID**.
3. Press **Done**.

Alternatively, to locate the serial and model number:

1. Remove the battery cover.
2. Remove the battery.
3. Locate the label affixed to the back of your HP iPAQ under the battery. This label shows serial number and product model ID.

To get detailed information about your HP iPAQ:

- ▲ Press **Start > Settings > About**.

Important device information, including the type of processor and the amount of memory installed is displayed on the screen.

Access programs

To open a program, press **Start**, and then select the program you want.

You do not need to exit a program to open another.

To close programs manually:

1. Press **Start > Applications > Accessories > Task Manager**.
2. Highlight the program to close, and then press **End Task**.

For more information, see [Task Manager on page 100](#).

View the operating system (OS) information


In addition to OS information, you can view processor, memory, and expansion slot information on your HP iPAQ.

To view the OS information on your HP iPAQ:

▲ Press **Start > Settings > About**.

The OS version is displayed on the screen.

Check the connection and signal strength

When you insert your SIM card and turn on your HP iPAQ, the device automatically connects to your mobile phone service provider's network.  (Signal strength icon) indicates that you are connected. More the vertical bars, better the current connection.


Customize your HP iPAQ

Modify settings to customize your HP iPAQ.

Create a device name

Use the device name to identify your HP iPAQ in the following situations:

- When synchronizing with a computer
- When connecting to a network
- To identify your device when setting a Bluetooth partnership

 **NOTE:** If you synchronize multiple devices with the same computer, each device must have a unique name.

To change the device name:

1. Press **Start > Settings > Device Name**.
2. Enter a name and description for the device. The device name must begin with a letter, consist of letters from A to Z, numbers from 0 to 9, and the special character underscore (_). The device name cannot contain spaces.
3. Press **Done**.

Enter owner information

You can enter your personal information, such as your name, telephone number, e-mail address, and personal notes, on your HP iPAQ so that it can be returned to you if it is ever lost or misplaced.

To enter owner information:


1. Press **Start > Settings > Owner Information**.
2. Enter your personal information in the listed fields:
 - **Name**
 - **Telephone number**
 - **E-mail address**
 - **Notes**
3. Press **Done**.


Change the regional settings

Specify the display formats of number, currency, time, and date in regional settings.

To change the regional settings:

1. Press **Start > Settings > Regional Settings**.
2. Edit the required settings.
3. Press **Done**.

 **TIP:** Changing the **Locale** automatically changes the related settings. You can further customize these settings as required.

 **NOTE:** Selecting another language, if available, in Regional Settings may result in loss of personal data and settings.

Adjust the volume settings


Adjust the HP iPAQ sound volume. You can increase or decrease the clicking sound you hear when you select program names and menu options.

To adjust the volume:

- Use the **Volume** button on the left panel of the device to increase or decrease the speaker volume.

To mute system sounds, such as incoming call rings and audible alerts/notifications:

- Slide the **Ringer/Sound** switch to .

 **TIP:** To temporarily mute the system sounds, press the **Volume** button on the left panel of the device once.

Adjust the ring tone and notification sounds

Change the ring tone and system sounds for incoming calls, alerts, and message notifications.

To change the ring tone:

1. Press **Start > Settings > Sounds**.
2. Select the ring tone.

Manage profiles

You can use profiles on your HP iPAQ to personalize the ring tones, ring volumes, and other settings of your choice.

Use profiles


To select a profile:

1. Press **Start > Settings > Profiles**.
2. Select a profile that you want to apply to your HP iPAQ, and then press **Done**.

To change the ring type:

1. Press **Start > Settings > Profiles**.
2. Highlight the profile for changing the ring type.

3. Press **Menu > Edit**, and then select the **Ring type**.
4. Press **Done**.

 **TIP:** You can also set profiles using **Voice Commander**. Press the Voice Commander button, or press **Start > Applications > Voice Commander** and say **Set profile**. Then say the profile name.

Edit profiles

To edit a profile:

1. Press **Start > Settings > Profiles**.
2. Press **Menu > Edit**.

Select the following features in a profile to edit them:

- **Name**
 - **Ring type**
 - **Ring volume**
 - **Reminder type**
 - **Reminder volume**
 - **Notification type**
 - **Notification volume**
 - **System sound volume**
3. Press **Done**.

Change the power management settings

Adjust the power management settings to conserve battery power. This increases the duration you can use your HP iPAQ between charges.

To change the power management settings:


1. Press **Start > Settings > Power Management**.
2. The battery charge level is displayed under **Main battery**.
3. Highlight the listed settings and press the **Center** button to edit the power management settings:
 - **Backlight time out on battery** - Sets the time for dimming the backlight when your HP iPAQ is using the battery.
 - **Backlight time out on AC** - Sets the time for dimming the backlight when your HP iPAQ is connected to the AC power supply.
 - **Display time out** - Sets the time for the display to be switched off. Key Guard is activated after the display turns off.
 - **Keyboard Backlight time out** - Sets the time for dimming the keyboard backlight when your HP iPAQ is using the battery. You can set the backlight to time out after 4, 8, 12, 16, or 20 seconds.

Adjust the brightness settings

Increase or decrease the brightness of the display backlight.

To adjust the brightness of the backlight:

1. Press **Start > Settings > Power Management > Brightness**.
2. Select the required level of brightness from the **Brightness** list.

 **NOTE:** Reduce battery power consumption by keeping the display brightness to bare minimum.

You can also set up the HP iPAQ to automatically adjust the screen brightness and the keyboard backlight depending on the surrounding light conditions.

The light sensor in your HP iPAQ senses the surrounding lighting conditions and changes the screen brightness accordingly. This helps in conserving the battery power.

To turn on the light sensor function:


1. Press **Start > Settings > Power Management**.
2. Select **On** for the **Light Sensor**.
3. Press **Done**.

Increase the font size

You can increase the size of the font on your HP iPAQ screen.


To increase font size:

1. Press **Start > Settings > Accessibility**.
2. Select **Large** for **System font size**.
3. Press **Done**.

 **NOTE:** The default font size is set to **Normal**.

Install and remove programs

Install and remove programs on your HP iPAQ. When you remove a program from your HP iPAQ, you might increase available memory on the device. You can also remove any unused programs from your device to increase the available memory.

 **NOTE:** You can only remove the programs that have been installed on your HP iPAQ after purchase. However, you cannot remove the default programs in your HP iPAQ available at the time of purchase.

To install programs:


1. Use the WMDC or ActiveSync (WMDC for Windows Vista and ActiveSync for Windows XP) to connect your HP iPAQ to your computer.
2. Follow the instructions in the installation wizard provided to install the program.
3. Check the screen of your HP iPAQ to see if any additional actions are necessary to complete the program installation.

To remove programs:

1. Press **Start > Settings > Remove Programs**.
2. Highlight the program to remove, and then press **Menu > Remove**.

If the programs get corrupted or uninstalled, you can reinstall them by using the synchronization software. To reinstall the program do the following:

1. On your computer, open the synchronization software, click **Tools > Add/Remove Programs**.
2. Select the program to be added and click **OK**.
3. Check the screen of your HP iPAQ to see if any further steps are necessary to complete the program installation.


 **TIP:** The nine most recently accessed programs can be displayed on the **Start** menu. To disable this, clear the **Show Recent Programs** check box in the **Home screen** settings.

Set clocks and alarms

You can change time and set alarms on your HP iPAQ.

To set time:

1. Press **Start > Clock & Alarm > Date and Time**.
2. Select to edit the following settings:
 - **Time zone**
 - **Date**
 - **Time**
3. Press **Done**.

 **NOTE:** To synchronize the clock according to your current time zone, select the **Sync to current time zone** check box.

To be notified about time updates, select the **Notify me when time is updated** check box.


To set an alarm:

1. Press **Start > Clock & Alarm**. Select the **Alarm** to set.
2. Select to edit the following settings:
 - **Alarm Time**
 - **Alarm**
 - **Alarm Sound**
 - **Alarm Type**
 - **Alarm Volume**
3. Press **Done**.

Use Key Guard

Key Guard locks all keys and buttons to prevent accidental calls or key presses. When the display turns off or times-out as per the display settings, this feature automatically locks your HP iPAQ. To change the display settings, press **Start > Settings > Power Management**.

The **Key Guard is on. Center select button: To unlock** message is displayed for 5 seconds when the screen becomes dim. The display turns off completely and your HP iPAQ goes to sleep mode.

 **NOTE:** When your HP iPAQ is locked, you can still receive phone calls and all the notifications are displayed on the screen.

To receive a call when your HP iPAQ is locked, press **Ⓜ** (Answer/Send key) and to reject or end a call, press **Ⓜ** (End key).

To manually activate Key Guard:


- ▲ To manually activate Key Guard, press and hold the Key Guard button on the left panel of your HP iPAQ.

To unlock Key Guard:

1. Press any wake source key to activate your HP iPAQ from the sleep mode.
2. Press the **Center** button to unlock your HP iPAQ.

To disable the Key Guard:


1. Press **Start > Settings > Security > Key Guard**.
2. Clear the **Activate Key Guard when the display is turned off** check box.

 **NOTE:** The Key Guard remains active when you are on a call. To disable Key Guard while on calls, press **Start > Settings > Security > Key Guard** and then clear the **Activate Key Guard during calls** check box.

You can make emergency calls from your HP iPAQ without having to unlock it.

To make emergency calls:

1. Press any wake source key to wake your HP iPAQ.
2. Start dialing the emergency number. Do not leave a gap of more than 5 seconds between any two key presses.
3. Press **Ⓜ** (Answer/Send key) to make the call.


 **NOTE:** When you dial an emergency number, it is verified against the emergency number list in your SIM card and the HP database registry. If the dialed number is not recognized as an emergency number, your HP iPAQ automatically goes into the sleep mode after a few seconds of inactivity.

Lock and unlock your HP iPAQ

Secure data on your HP iPAQ by setting a password. Each time you turn on your HP iPAQ, you will be prompted to enter the password to unlock it. Setting a password locks and prevents any unauthorized access when your HP iPAQ is not with you.

To enable the device lock on your HP iPAQ:

1. Press **Start > Settings > Security > Device Lock**.
2. Select the **Prompt if device unused for** check box. Next, select the amount of time your HP iPAQ should remain unused before it gets locked.
3. In the **Password type** list, select the type of password you would want to use.
4. Enter the password, and then confirm the password.
5. Press **Done** and then press **Yes** on the confirmation screen. The next time your HP iPAQ is unused for the specified amount of time, you are prompted to enter your password.

 **TIP:** Use the same steps to change or reset your password.

To disable the device lock on your HP iPAQ:

1. Press **Start > Settings > Security > Device Lock**.
2. Enter your password, and then press **Unlock**.
3. Clear the **Prompt if device unused for** check box.
4. Press **Done**, and then press **Yes**.

Use the SIM PIN to protect information on your HP iPAQ

Enable a Personal Identification Number (PIN) request on your HP iPAQ. Every time the HP iPAQ is turned on, you will be prompted to enter the PIN before you can use your HP iPAQ.

To enable the PIN:

1. Press **Start > Settings > Security > Enable SIM PIN**.
2. Enter the PIN provided with your SIM card.
3. Press **Done**.

To change the PIN2:

1. Press **Start > Settings > Security > Change PIN2**.
2. Enter the **Old PIN**, and then enter the **New PIN**.
3. Enter the new PIN in **Confirm new PIN** to confirm the new PIN.
4. Press **Done**.

To disable the PIN:


1. Press **Start > Settings > Security > Disable SIM PIN**.
2. Enter your PIN.
3. Press **Done**.

Battery saving tips

Adjust the settings on your HP iPAQ to suit your needs and to help the device retain and increase the charge retention capacity of the battery. Here are some recommendations to conserve battery life:

- **Turn off Bluetooth and Wi-Fi** - Use **Wireless Manager** to turn off Bluetooth and Wi-Fi when not in use. For more information see, [Use Wireless Manager on page 67](#).
- **Auto Turn Off the Backlight** - Press **Start > Settings > Power Management**. Specify a short amount of wait before turning off the backlight.
- **Disable Sounds** - Every time you are notified of an event, battery power is consumed. Press **Start > Settings > Sounds** to turn off any unnecessary notifications.


To check the battery power, press **Start > Settings > Power Management**, or look at  (Battery icon) on the **Home** screen.

 **NOTE:** If the battery drains out, you lose any unsaved data on your HP iPAQ. HP advises you to keep your HP iPAQ fully charged at all times.

 **WARNING!** Removing the battery from your HP iPAQ before turning it off might corrupt data on your HP iPAQ.

HP Power Save Mode

Activating the **HP Power Save Mode**, helps conserve your HP iPAQ battery power until the next charging cycle. The **HP Power Save Mode** will become active when the battery reaches 25% of the full charge level and a warning is displayed on the screen. If you cancel this warning, another warning is displayed when the battery drains to 10% of the full charge level and the device goes into the **HP Power Save Mode**.

When the device is in the **HP Power Save Mode**,  (Power Save Mode icon) is displayed at the top of the screen.

HP Power Save Mode will automatically turn off after charging your battery above the 25% level, and all the adjusted system settings will be restored.

To configure **HP Power Save Mode** Settings:

1. Press **Start > Settings > HP Power Save Mode**.
2. Modify the settings to minimize power consumption and press **Done**.

To exit **HP Power Save Mode**:

1. Press **Start > Settings > HP Power Save Mode**.
2. Select **Off**, and then press **Done**.

 **NOTE:** Another way to exit **HP Power Save Mode** is to follow the alert messages on your HP iPAQ when it is in **HP Power Save Mode**.

6 Use your HP iPAQ

You can use your HP iPAQ to make and answer calls, including conference calls and international calls. In addition, you can use it to make data calls and to forward calls. You can also check and modify the network and channel settings.

Call features

The following information explains how to use the call features on your HP iPAQ.

Make calls

You can make a call from the **Home** screen or from **Contacts**.

When you dial a number, your HP iPAQ searches the **Contacts**, **Call History**, **Speed Dial** lists, and the SIM card to find a matching name and number.

Make calls from the Home screen

To make a call from the **Home** screen:


1. Use the keyboard to enter the contact name or telephone number.
2. If more than one contact with the same name exist, select the desired contact.
3. When the desired number is highlighted, press **Ⓜ** (Answer/Send key) to make the call.

Make calls from Contacts

Select a person's name from your contacts list and press **Ⓜ** (Answer/Send key) to place a call. You can make calls to a contact having multiple phone numbers related to **Work**, **Home**, and **Mobile**.

To choose the appropriate number from the contact list:

1. On the **Home** screen, press **Start > Contacts** or press the right softkey.
2. Select the desired contact name.
3. Select the desired number and press **Ⓜ** (Answer/Send key) to make a call.

 **TIP:** If you have a long list of contacts, enter the first few letters of a contact's name. Your HP iPAQ searches the entire contact list to offer suggestions for completing the name.

Redial a number

To redial the last dialed number, press **Ⓜ** (Answer/Send key) twice.

Answer calls

To answer a call, press **Ⓜ** (Answer/Send key).


When you receive a call, you can answer or cancel it. When the phone stops ringing, the caller might be diverted to voice mail, depending on the settings provided by your mobile phone service provider. To cancel the call, press **Ⓜ** (End key).

Mute a call


You can mute the microphone during an active call. When you mute a call, the microphone is turned off. This prevents the person you are talking to from hearing you but does not prevent you from hearing that person.

To mute the microphone during a call:

1. Press **Mute**.

 **NOTE:** You can also mute the microphone during a call by pressing **Menu > Mute**.

2. To disable the mute option, press **Unmute**.


 **TIP:** You can also unmute the microphone by pressing **Menu > Unmute**.


Put a call on hold

During a call, you can put the call on hold and dial another number or answer an incoming call. If you have more than one call on the line, you can switch between calls.

1. To put a call on hold, press **Menu > Hold**.

2. To switch between calls, press **Swap**.

 **TIP:** You can also swap between calls by pressing **Menu > Swap**.

 **NOTE:** The **Swap** feature is available only if you have placed a call on hold.

Create an appointment during a call

To create an appointment during a call:

1. During a call, press **Menu > View Calendar**.
2. Press **Menu > New Appointment** to create a new appointment.
3. Press **Done**.

To access an appointment during a call:

1. During a call, press **Menu > View Calendar**.
2. Select the appointment to view the details.

An appointment created during a call can also be accessed from the **Calendar** program.

Use call waiting


Use call waiting to be notified of incoming calls when you are on another call. View the number of the person calling you, put your current caller on hold, and answer the incoming call. For more information on enabling call waiting, see [Call waiting on page 33](#).

To use call waiting to answer an incoming call during a phone conversation:

1. Press **⏸** (Answer/Send key) to move the current phone call to call waiting.
2. Press **⏸** (Answer/Send key) to answer the incoming call or press **Ignore** if you do not want to answer the call.
3. Press **Swap** to switch between the calls.


Make emergency calls

You can make calls to emergency service numbers, even if you have locked the SIM card or the HP iPAQ. Your service provider programs one or more emergency phone numbers and you can call those numbers in any circumstance.

 **NOTE:** Turn on the phone before making any emergency calls. To turn the phone on, press **Start > Settings > Connections > Wireless Manager > Phone**.


To dial an emergency number:

1. Press **⏏** (Answer/Send key).
2. Use the keyboard to dial the local emergency number.
3. Press **⏏** (Answer/Send key) to place the call.

 **NOTE:** Emergency numbers vary by country/region. The HP iPAQ's emergency number might not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.


Make calls using speed dial


Dial phone numbers quickly by assigning speed dial numbers. Choose speed dial entries from 2-99. The speed dial entry 1 is reserved to set up or dial voice mail.

 **NOTE:** The **Speed Dial** feature is available only for phone numbers that are stored in the contact list.

To create a speed-dial shortcut:

1. Press **Start > Contacts**.
2. Select the required contact.
3. Select the required number, and then press **Menu > Add to Speed Dial**.
4. Use the navigation keys to select a speed dial number from 2 to 99 in **Keyboard assignment**.
5. Press **Done**.

 **NOTE:** You can also assign speed dial by pressing **Contacts** on the **Home** screen, selecting a contact, and pressing **Menu > Add to Speed Dial**.

 **TIP:** You can also assign speed dial numbers to Web addresses and e-mail addresses that are stored in the **Contacts** on your HP iPAQ. Perform the same steps to assign speed dial numbers to Web addresses and e-mail addresses.

To make a speed dial call:


- ▲ On the keyboard, press and hold the number you assigned as a speed dial entry. For two-digit speed dial numbers, press the first digit, release it, and then press and hold the second digit.

Make data calls

Use connection settings to set up General Packet Radio Service (GPRS), dial-up, Virtual Private Network (VPN), proxy, and Wi-Fi connections to connect to the Internet or your corporate network. With a data connection, you can browse the Web, download e-mail, or synchronize with a server without using cables.

The network connection time, for which you might be charged, starts from the moment you connect to your service provider's network, until you end the data call by pressing **⏏** (End key). The connection time includes busy signals and ringing. The amount of network connection time you track on your reset timer

might not equal the amount of time for which you are billed by your service provider. For billing information, please contact your service provider.


 **NOTE:** Your HP iPAQ has already been configured for browsing and chatting. Contact your service provider for information on mobile Internet plans, configuring e-mail, or wireless synchronization with a server.

Make a conference call

Talk to two or more people simultaneously, using the conference call feature.

To make a conference call:

1. Press **Ⓜ** (Answer/Send key).
2. Use the keyboard to dial the required number.
3. Press **Ⓜ** (Answer/Send key).
4. After you are connected, press **Menu > Hold**.
5. Dial the second number, and then press **Ⓜ** (Answer/Send key).
6. After you are connected, press **Menu > Conference**.

 **NOTE:** To add more participants to the conference call, dial each number, connect, and then press **Menu > Conference**.

Make a call from a hyperlinked phone number

Use a hyperlinked phone number to dial a phone number from an e-mail or text message. A hyperlinked phone number is identified with an underline, similar to that of a Web site address.


To dial a hyperlinked phone number from an e-mail or text message:

1. Select the hyperlinked phone number.
2. Press **Ⓜ** (Answer/Send key) to dial the number.


Make international calls

To make an international call:

1. On the **Home** screen, press and hold **0** until the plus (+) sign appears.
2. Enter the country code and phone number.
3. Press **Ⓜ** (Answer/Send key).

 **NOTE:** You can also insert a plus (+) sign into a contact's phone number for quick dialing.

Use voice mail

 **NOTE:** Contact your service provider to set up voice mail.

Divert a caller to your voice mail when you are busy on another call or unable to accept calls. The caller can record a message which can be retrieved later.

To call voice mail:

- ▲ On the **Home** screen, press and hold **1** on the keyboard to automatically call voice mail.

Use the handsfree function

Turn on the speaker during a call to use the handsfree function.


- ▲ Press **Menu** and select **Speakerphone On** to turn on the speaker and turn off the receiver.

Call history

Manage calls using call history

The call history provides the time and duration of all incoming, outgoing, missed calls, total call summary, and access to notes taken during a call.

- Press **Start > Call History** to view all the calls in Call History.

 **TIP:** View all calls in the call history by pressing **Ⓜ** (Answer/Send key), and then **Menu > View > All Calls**.

- Press **Menu > Filter** and select a different call history view.

You can change the call history view to see the following types of calls:


- **No Filter** - shows a list of all calls
- **Missed Calls** - shows a list of calls that were not answered
- **Incoming Calls** - shows a list of all received calls
- **Outgoing Calls** - shows a list of all dialed calls

- Press **Menu > View Timers** to view the call durations.

 **NOTE:** Press **Menu > Reset Timers** to reset all the call duration information.

The **Lifetime calls timer** cannot be reset.

- Press **Menu > Delete List > Yes** to clear the entire call history.


 **NOTE:** You can also delete a specific call. Use the **Center** button to highlight the required call, and then press **Menu > Delete > Yes**.

Make calls using call history

Use the call history to access recently dialed and received calls.

To make calls using call history:

1. Press **Start > Call History**.
2. Highlight the required number.
3. Press **Ⓜ** (Answer/Send key).


 **TIP:** You can also make calls using call history by pressing **Ⓜ** (Answer/Send key), and then press **Menu > View > All Calls**. Highlight the required number and press **Ⓜ** (Answer/Send key).

View the call details

To view the call details:

1. Press **Start > Call History**.
2. Select the required number.

The date and timestamp, as well as the duration of the call, are displayed.

 **NOTE:** You can also view call details by pressing **Ⓜ** (Answer/Send key), and then press **Menu > View > All Calls**. Select the required number.

Voice commands

Use voice commands to look up contacts, dial a contact by name, get calendar information, play and control your music, and launch programs on your HP iPAQ.


Press the Voice Commander button, or press **Start > Applications > Voice Commander** to launch the **Voice Commander** program. When the audio cue communicates the **Say command**, you can begin saying relevant commands into the microphone. For more information, see [Voice Commander on page 100](#).

Change the service settings

Change your phone service settings to block certain types of incoming and outgoing calls, forward incoming calls to a different phone number, be notified of incoming calls when you are already in a phone session, or let others know your identity when making calls.

To change the phone service settings:

1. Press **Start > Settings > Phone**.
2. Select the service to change.
3. Make the appropriate changes, and then press **Done**.


 **NOTE:** You might be charged for some of these services. Contact your service provider for more details.

Auto Answer

Select the **Auto Answer** option to automatically answer a call when using your HP iPAQ in the handsfree mode.

To set the time when the calls are automatically answered:

- ▲ Press **Start > Settings > Phone > Auto Answer** and follow the instructions on the screen.


 **NOTE:** The **Auto Answer** setting is not available when your HP iPAQ is in the silent mode.

Band Control

The **Band Control** program allows you to select the preferred radio coverage. This helps conserve the battery of your HP iPAQ.

To change the **Band Control** settings:

1. Press **Start > Settings > Phone > Band Control**.
2. Select a radio from the **Radio** list.
3. Press **Done**.


 **NOTE:** The default selection for **Radio** is **Auto**. To turn off the Universal Mobile Telecommunications System (UMTS) radio, select Global System for Mobile Communications (GSM) from the Radio list.

Call Options


Set call options to specify call settings for your HP iPAQ and to edit the service numbers that your HP iPAQ uses to send text messages.

To access call options:

1. Press **Start > Settings > Phone > Call Options**.
2. Select the **Any key answer** check box to answer the incoming call by pressing any key on the keyboard.
3. Select the **Show SIM contacts** check box to view the contacts that are stored on your SIM card in the **Contacts** list.
4. Your HP iPAQ accesses the service provider information on the SIM card and displays it on the **Call Options** screen. You can view your **Phone number** and edit the following information on your HP iPAQ:
 - **Voice mail number**
 - **Text message service center**

 **NOTE:** Changing the service provider details might cause a disruption in the service. HP recommends that you change the details with the consent of the service provider.

5. You can enter the following information on the **Call Options** screen:
 - **Country code**
 - **Area code**

 **NOTE:** To see the contacts that are stored on the SIM card, select the **Show SIM contacts** check box.

To be able to answer a call by pressing any button on your HP iPAQ, select the **Any key answer** check box.

Forward calls

If you do not want to receive calls on your HP iPAQ, you can forward the calls to any other number of your choice.

To set call forward:

1. Press **Start > Settings > Phone**.
2. Choose the **Call Forwarding** list, and select any of the following reasons to forward to calls:
 - **Unconditional** - forwards all calls
 - **No Reply** - if the phone cannot be answered
 - **Busy** - if the line is busy
 - **Unavailable** - if the phone is off
 - **Data Calls** - forwards all data calls
 - **Fax Calls** - forwards all fax calls
3. Select the destination to forward the calls in the **Forward voice calls to** list.

You can choose to forward calls to one of the following:

- **Voicemail** - forwards the calls to **Voicemail**
- **Custom** - forwards the calls to a specified number

In the **Custom** mode, enter the phone number to forward the calls to in the **Phone number** field.

- **Off** - no call forwarding service is activated

4. Press **Done**.

Call waiting

You can enable or disable incoming call waiting alerts to receive notification of an incoming call when you are engaged in another call.

To set call waiting:

1. Press **Start > Settings > Phone**.
2. Select **Call Waiting**.
3. Select the **Provide call waiting notification** check box to activate call waiting notification.
4. Press **Done**.

 **NOTE:** To disable call waiting, press **Start > Settings > Phone > Call Waiting**, and then clear the **Provide call waiting notifications** check box.

Caller ID

Configure caller ID to display your identity on the recipient's caller ID display.

To configure caller ID:

1. Press **Start > Settings > Phone**.
2. Select **Caller ID**.
3. To display your identity to specific contacts through the **Provide my caller ID to** list.

To display your caller ID select from the following:

- **No one** - prevents your identity from being displayed to anyone you call
- **Only my contacts** - prevents your identity from being displayed to anyone other than your contacts
- **Everyone** - shows your identity to everyone you call

4. Press **Done**.

Block calls

If you do not want to receive calls from certain numbers, you can block the numbers on your HP iPAQ.

To block calls:

1. Press **Start > Settings > Phone**.
2. Select **Call Barring**.

3. Select the type of calls to block:

- **Block incoming calls**

You can block the following types of incoming calls:

- **When roaming** - blocks incoming calls when roaming
- **All calls** - blocks all incoming calls

- **Block outgoing calls**

You can block the following types of outgoing calls:

- **Int'l except to home** - blocks all international calls, except to home network
- **Int'l calls** - blocks all outgoing international calls
- **All calls** - blocks all outgoing calls


4. Press **Done**.

Configure channels

Enable this feature to receive real-time news and information, such as traffic news and weather reports. Check with your mobile phone service provider to learn more about the availability of this feature in your area.

To configure the phone broadcast channels:

1. Press **Start > Settings > Phone > Channels**.
2. Select the **Enable channels** check box.
3. Press **Menu > Edit Channels**.
4. Press **Menu > Add**, and then enter the channel name in **Description** and number in **Channel number**.
5. Press **Done** twice.

 **NOTE:** To receive a list of all the channels that your service provider offers, select the **Receive channel list** check box.

Fixed Dialing


Use the **Fixed Dialing** feature to limit dialing to the numbers that are specified in the fixed dialing list.

To activate **Fixed Dialing**:

1. Press **Start > Settings > Phone > Fixed Dialing**.
2. Select the **Enable fixed dialing** check box.
3. Press **Done**.

To set a list of numbers for **Fixed Dialing**:

1. Press **Start > Settings > Phone > Fixed Dialing**.
2. Press **Menu > Edit Numbers**.
3. Press **Menu > Add**, and then enter the **Number** to add to the **Fixed Dialing** list.
4. Press **Done** twice.

 **NOTE:** Add, edit, or delete the entries from the **Fixed Dialing** list.


Change the network settings

Use the phone network settings for the following:

- View available wireless phone networks.
- Determine the order in which your phone accesses other cellular networks when the usual network is unavailable.
- Specify whether to change networks manually or automatically.

To change network settings:


1. Press **Start > Settings > Phone > Networks**.
2. View your current network and specify whether to change networks manually or automatically.

 **NOTE:** The current, available phone network for your HP iPAQ is displayed at the top of the screen. The network remains active until a signal loss, SIM change, or until some other form of network alterations occurs.

View the available phone networks

To view all mobile phone networks that are available to you:

1. Press **Start > Settings > Phone > Networks**.
2. Press **Menu > Select a Network**.
3. Highlight a network from the list, and then press **Select**.
4. Press **Done**.


 **NOTE:** In the manual network selection mode, press **Menu > Find a New Network** to view the available list of networks and select the required network.

Set the preferred networks

Set the order in which your HP iPAQ accesses the preferred cellular networks while it is in the automatic network selection mode. For example, if your first preferred cellular network is unavailable, your HP iPAQ tries to access your second preferred phone network.

To assign network preferences:

1. Press **Start > Settings > Phone > Networks**.
2. Press **Menu > Preferred Networks**.
3. Select the check boxes for your preferred networks.
4. To set the network preference order, press **Menu > Move Up** or **Move Down**.
5. Press **Done**.

 **NOTE:** If you do not see the name of the network that you want to add to the preferred list, press **Menu > Add**. A list of all networks will be displayed. Select the network of your choice and press **Done**.


You can also select the network by entering the numeric code of the network you want, press **Menu > Add Custom** and enter the network numeric code that you obtained from your service provider in the **Specify numeric code** field, and then press **Done** twice.

Manually select a phone network

Using the services of a subsidiary network may incur extra costs, you might want to control costs by manually selecting a network when your usual cellular network is unavailable.

To manually select a network:

1. Press **Start > Settings > Phone > Networks**.
2. Select **Manual** in the **Network selection** list.
3. To select the network to use, press **Menu > Find a new network** or **Select a network**.
4. Select the required network, and then press **Done**.

 **NOTE:** If the network you select is not available through your service provider, an error message is displayed on the screen. Press **OK** and select a different network.

Select a frequency band

Your HP iPAQ has an integrated GSM/GPRS/EDGE feature that supports four different frequency bands (850/900/1800/1900) for international roaming. Your HP iPAQ also supports WCDMA/HSPA in three different frequency bands (900/1900/2100).

When traveling between countries and wireless network operators, this feature automatically changes the connection settings for frequency bands if the home band is unavailable. This feature is the default setting on the HP iPAQ.

To avoid network access issues while traveling abroad, follow these tips:

- Visit your mobile phone service provider's Web site to find out whether their services are available in the country you are traveling to.
- Verify that your mobile phone account is set up for international roaming and find out whether additional charges apply.

Voice notes

Use the voice notes program to record audio notes. Use your voice to create a note that is saved on your HP iPAQ.

Create a voice note


To create a voice note:

1. Press **Start > Applications > Voice Notes**.
2. Press **Record**.
3. Speak into the microphone.
4. When you have finished recording the note, press **Stop**

Listen to voice notes

To listen to voice notes:

1. Press **Start > Applications > Voice Notes**.
2. Highlight the voice note you want to hear, and then press **Menu > Play**.

 **NOTE:** To stop playing the recorded note, press **Stop**.

Rename voice notes


To rename voice notes:

1. Press **Start > Applications > Voice Notes**.
2. Highlight the voice note you want to rename, and then press **Menu > Rename**.
3. Enter the new name in the **Name** box.
4. Press **Done**.

Reply to e-mails using voice notes

To reply to e-mails using voice notes:

1. Highlight the e-mail to reply to and press **Menu > Reply > Reply**.

 **NOTE:** To send a reply to all the recipients marked in the e-mail, press **Menu > Reply > Reply All**.

2. Press **Menu > Insert > Voice Note**.
3. Press **Record** to start the recording, and then press **Stop** to stop the recording.
4. Press **Done**.
5. Press **Send**.

Delete voice notes

To delete a voice note:

1. Press **Start > Applications > Voice Notes**.
2. Highlight the voice note to delete, and then press **Menu > Delete**.
3. Press **Yes** on the confirmation screen.

Reset your HP iPAQ

Perform a soft reset

A soft reset stops all running programs, but does not erase any programs or saved data. Be sure to save any unsaved data within a running program before performing a soft reset.

To perform a soft reset:

- ▲ Remove and re-insert the battery in your HP iPAQ.

No data is lost during a soft reset. After a soft reset, turn on your HP iPAQ.

Perform a hard reset (factory reset)

A factory or hard reset clears all the user-installed settings, programs, and data, and restores your HP iPAQ to factory settings. Be sure to save any unsaved data within a running program before performing a factory or hard reset.

△ **CAUTION:** When you perform a factory or hard reset, you lose all the data that is stored on your HP iPAQ.

There are two ways to perform a factory or hard reset.

- Press **Start > Settings > Security > Restore Factory Settings**. Select **Yes** on the **Restore Factory Settings** screen and press **Done**. Press **Reset** on the confirmation screen. Your HP iPAQ will restart.

-Or-

- Press and hold the number 6 key and turn on your HP iPAQ. Continue to hold the number 6 key until the reset message appears on screen.


The HP iPAQ resets and turns on.

7 Storage cards

Your HP iPAQ supports microSD memory cards.

Use optional storage cards for the following:

- Expanding the memory of your HP iPAQ
- Storing pictures, video clips, music, and programs

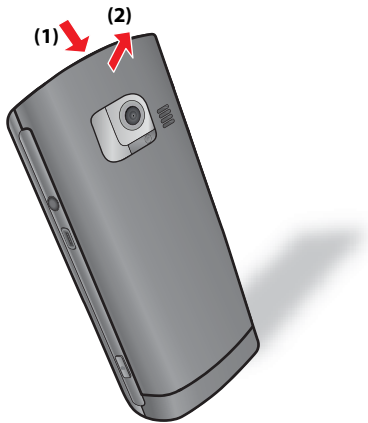
 **NOTE:** Storage cards are not included with your HP iPAQ, and must be purchased separately.

For more information about storage cards, visit <http://www.hp.com/go/ipaqaccessories>.

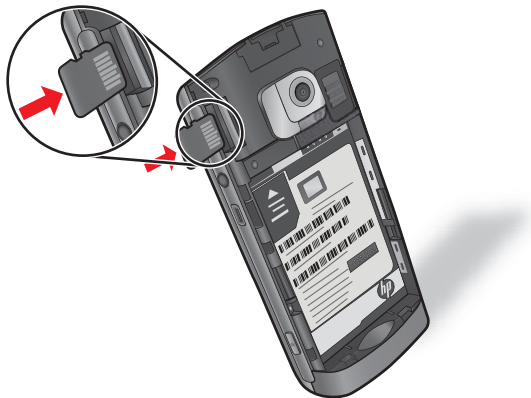
Insert a storage card

To insert a storage card:

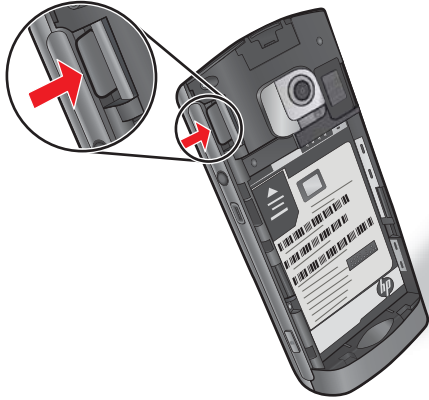
1. Remove the back cover of your HP iPAQ.



2. Slide the storage card into the microSD slot with the metal area inserted first and facing the rear of the device.



3. Push the card into the slot until it locks in place.



4. Replace the back cover.

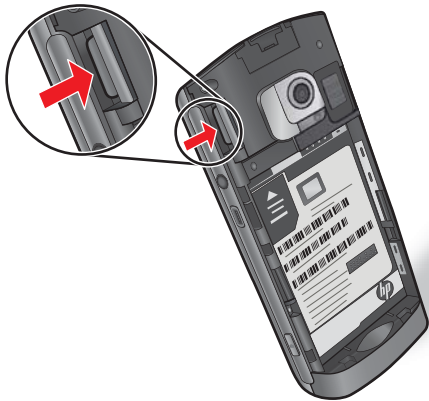
If you have trouble inserting a storage card:


- Make sure you are not inserting the card at an angle.
- Make sure you insert the connection area (the metal area) first.

Remove a storage card

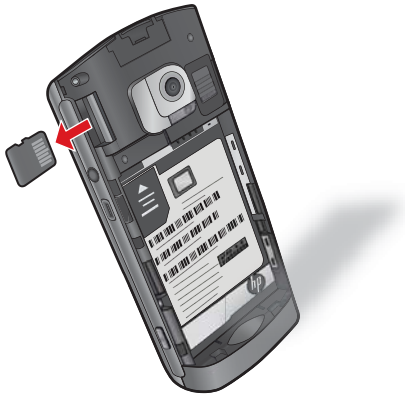
To remove a microSD storage card from the storage slot on the HP iPAQ:

1. Quit all programs that are using the storage card.
2. Press and hold **End** (End key) to turn off your HP iPAQ.
3. Remove the back cover.
4. Push the card into the slot to unlock it.



 **NOTE:** The card is pushed out a little when you unlock it.

5. Remove the storage card from the storage card slot.



6. Replace the back cover.

View contents of a storage card


Use **File Explorer** to view the files on your storage card.

To view contents of a storage card:

1. Press **Start > File Explorer**.
2. Press **Up**, and then select the storage card folder to see a list of files and folders.

If the HP iPAQ does not recognize your storage card:

- Install any drivers that came with the storage card.

 **NOTE:** Make sure that you save your data before you perform a reset.

- Remove the battery from your HP iPAQ and reinsert it.


8 Contacts

Store details, such as the names, telephone numbers, and e-mail addresses of family and friends on your HP iPAQ. Access these details and also dial numbers using the **Contacts** program.

Create a contact

To create a contact:

1. On the **Home** screen, press the right softkey to open **Contacts**.
2. Press **New** and enter the contact information.
3. When finished, press **Done**.

 **NOTE:** If you have created a category filter for your contact that category is automatically assigned to the new contact.

If you receive a call from a number that is not listed in your contacts, create a contact from the call history.

Edit the contact information


To change the contact information:

1. On the **Home** screen, press the right softkey to access **Contacts**.
2. Highlight the contact to edit.
3. Press **Menu > Edit** and enter the changes.
4. When finished, press **Done**.

Copy a contact

To copy a contact:


1. On the **Home** screen, press the right softkey to access **Contacts**.
2. Highlight the contact to copy.
3. Press **Menu > Copy Contact**.
4. Select where you want to copy the contact to. If the contact information is stored in **Contacts**, select **To SIM** to copy the contact to the SIM card. If the contact information is stored in the SIM card, select **To Contacts** to copy the contact information to your HP iPAQ.
5. Press **Menu > Edit**.
6. Change the contact information as needed, and then press **Done**.

 **NOTE:** The displayed category is automatically assigned to the new contact.

Create and assign a category for a contact

To create and assign a category:

- ▲ Open the required contact, press **Menu > Edit > Categories**, and then select the category to assign to the contact.


 **NOTE:** For a new item, create the item, and then select **Categories**.

To create a new category, press **New** and assign a name to the category for a contact, task, or an appointment. The new category is assigned automatically to the item.

Find a contact

To find a contact:

1. On the **Home** screen, press the right softkey to access **Contacts**.
2. If you are not in **Name** view, press **Menu > View By > Name**.
3. Take one of the following actions:
 - Begin entering a name or phone number until the required contact is displayed. To show all contacts again, press the back space/clear key.

 **NOTE:** To search for a contact by entering a name or number, you need to go to the **Name** view.

- Filter the list by categories. In the contact list, press **Menu > Filter**. Then, select a category you have assigned to a contact. To show all contacts again, select **All Contacts**.

Send an e-mail message to a contact



To send an e-mail message to a contact:

1. Press **Start > Contacts**.
2. Select the contact to send the message to.
3. Select **Send e-mail**.
4. Enter the subject and your message.
5. Press **Send**.

Send a text message to a contact

To send a text message to a contact:

1. Press **Start > Contacts**.
2. Select the contact to send the message to.
3. Select **Send text message**.
4. Enter the message. To add common messages quickly, press **Menu > My Text** and select the message.

 **NOTE:** To enter symbols, press  (Symbol key) on the keyboard.

5. Press **Send**.

Add or remove a picture

To add a picture to the contact information:

1. Select the contact to add a picture to.
2. Press **Edit**.
3. Select **Picture**.
4. Take one of the following actions:
 - Select the picture to add.
 - Select **Camera** and take a picture, and then press **Select** to apply the picture to the contact or press **Try Again** to take another picture.
5. Press **Done**.



NOTE: To change the picture in **Contacts** use these same steps.

To remove a picture from the contact information:

1. Press **Start > Contacts**.
2. Select the contact to remove the picture from.
3. Press **Edit**.
4. Select **Picture**.
5. Press **Menu > Remove Picture**.
6. Press **Done**.

Delete a contact

To delete a contact:

1. On the **Home** screen, press the right softkey to access **Contacts**.
2. Highlight the contact to delete.
3. Press **Menu > Delete Contact**.
4. Press **Yes** to delete the contact. Press **No** to keep the contact and prevent the deletion.

Use the contact list

There are several ways to use and customize the contact list. You can also make a call or send a message from an open contact.

To customize the contact list:

1. On the **Home** screen, press the right softkey to access **Contacts**.
2. In the contact list, take any of the following actions:
 - To search for a contact by name, start typing the name on your HP iPAQ.
 - To see a list of contacts by a specific name or company, press **Menu > View By > Name** or **Company**.
 - To see a summary of information about a contact, select the contact. From there, you can also make a call or send a message.

9 Messaging

Understand messages

To send and receive e-mail messages from an e-mail account, you need to connect to the Internet or to your corporate network, depending on the account.


You can send and receive messages in a variety of formats:

- Outlook® e-mail
- Internet e-mail through an Internet Service Provider (ISP)
- Text messages
- Multimedia messages

You can also access e-mail from your workplace through a VPN connection. For more information, see [Set up a VPN server connection on page 79](#).

E-mail in the Outlook e-mail account is sent and received through synchronization with a computer using any synchronizing software or through wireless synchronization directly with an Exchange Server. For more information, see [Synchronization on page 81](#).


Internet e-mail is sent and received by connecting to a Post Office Protocol 3 (POP3) or Internet Message Access Protocol 4 (IMAP4) e-mail server. You would require Internet access from a GSM, GPRS, EDGE, or 3G carrier to connect to a POP3 or IMAP4 Server. You can connect to the Internet using Wi-Fi, a computer, or a Bluetooth device. To connect to the Internet through your HP iPAQ, use a data-enabled cell phone.

 **NOTE:** The messaging program also supports Visto.

Text messages are sent and received through your wireless service provider using a phone number as the message address.

Text messaging

Text messaging is the transmission of short text messages to and from a mobile phone. A single text message cannot be longer than 160 alpha-numeric characters.

 **NOTE:** The number of characters supported depends on your service provider.

The text messages you reply to or forward are clubbed together with the original message.

You might incur extra costs when sending text messages, depending on your service provider.

Messages longer than 160 alpha-numeric characters are sent as multiple text messages. A character count is visible when text messages (**New/Reply/Forward**) are composed. The count also shows how many text messages are generated when the message is sent.

To write a new text message:


1. Press **Start > Messaging > SMS/MMS > Menu > New > SMS**.
2. In the **To:** field, enter the recipients number or enter recipient's name to retrieve number from your **Contacts** list.

3. Enter the text.
4. Press **Send**.


Your mobile phone service provider provides the Text Message Service Center phone number. Text messaging should function correctly after you activate your account. To verify the number that is being used, or to change the Text Message Service Center phone number, press **Start > Settings > Phone > Call Options > Text Message service center**.

MMS and its uses

MMS is a method of transmitting photographs, video clips, sound files, and short text messages over wireless networks.

 **NOTE:** You might incur extra costs when sending MMS, depending on your service provider.

When the phone radio is turned on for the first time, the **HP iPAQ DataConnect** program detects the mobile phone service provider and automatically populates the MMS settings on the HP iPAQ.

 **NOTE:** Do not change the MMS settings unless advised to by your mobile phone service provider.


Alternately, you can access some MMS settings by pressing **Start > Messaging > SMS/MMS > Menu > New > MMS > Menu > Options > Message Options**. Do not change the MMS settings unless advised to by your mobile phone service provider.

The MMS account has its own set of folders with five default Messaging folders:


- Deleted Items
- Drafts
- Inbox
- Outbox
- Sent Items

To create an MMS message:


1. Press **Start > Messaging > SMS/MMS > Menu > New > MMS**.
2. To add picture or video to the message, select the **Insert Picture/Video...** field, and then select the required picture or video to be added.

 **NOTE:** To view the video clip before adding it, navigate to the required file and press **Menu > Play**.

3. To insert text in the message, select the **Insert Text...** field and enter the required text.
4. To add an audio clip to message, select **Insert Audio...** and select the required audio to be added.

 **NOTE:** To listen to the audio clip before adding it, navigate to the required file and press **Menu > Play**.

5. To preview the MMS message, press **Menu > Preview Message**.


 **NOTE:** To use an available text-message template, press **Menu > Template > New from Template**. To save the current MMS as a template, press **Menu > Template > Save as Template**.

Set up e-mail accounts


You need to set up an e-mail account on your HP iPAQ before you can send or receive e-mail messages. Obtain the settings required to configure your e-mail account from the Internet e-mail service provider's Web site. Also, obtain the required information to configure your work e-mail account using the exchange server.

Set up e-mail using Exchange Server


1. Press **Start > Messaging > Setup E-mail**.
2. Enter your e-mail address in the **E-mail address** box, and then press **Next**.
3. Clear the **Try to get e-mail settings automatically from the Internet** check box.

 **NOTE:** Ensure that you clear the **Try to get e-mail settings automatically from the Internet** check box only to manually configure your e-mail.

4. Press **Next**.
5. Select the **Exchange server** option from the **Your e-mail provider** list.
6. Press **Next** twice to synchronize Outlook with your organization's Exchange e-mail server.
7. Verify your e-mail address, and press **Next**.

 **NOTE:** Select the **Attempt to detect Exchange Server settings automatically** check box to automatically download the server information.

8. In the **Server address** box, enter the Outlook Web Access server address and press **Next**.

 **NOTE:** Select the **This server requires an encrypted (SSL) connection** check box to ensure that you always send e-mail from this account using an SSL connection.

9. Enter the **User name**, **Password**, and **Domain**.
10. Press **Next**.
11. Select the check box for the items to synchronize, and then press **Finish**.

Internet e-mail


You can send, and receive e-mail messages using an Internet e-mail account. Obtain the settings required to configure your e-mail account from the Internet e-mail service provider's Web site.

Create a new POP3 or IMAP4 account

You must set up an e-mail account that you have with an ISP or an account that you access using a VPN server connection (typically a work account) before you can send and receive e-mail.

To create a new POP3 or IMAP4 account:

1. Press **Start > Messaging > Setup E-mail**.
2. Enter the account name, and then press **Next**.
3. Clear the **Try to get e-mail settings automatically from the Internet** check box.

 **NOTE:** Ensure that you clear the **Try to get e-mail settings automatically from the Internet** check box only to manually configure your e-mail.

4. Press **Next**.

5. Select the **Internet e-mail** option from the **Your e-mail provider** list, and then press **Next**.
6. Enter your name and required account name, and then press **Next**.
7. Enter the incoming mail server name and select the required account type, either **POP3** or **IMAP4**.
8. Specify the requested information over the next few screens, and then press **Next** to move to additional screens.

Select the **Advanced Server Settings** link to configure the SSL information for the incoming and outgoing e-mail server.

9. Select the appropriate time for **Automatic Send/Receive**, and then press **Finish**.


 **NOTE:** Select the **Review all download settings** to set up the e-mail download settings.

You can also perform the following functions:

- Change the time intervals for downloading new messages.
- Download attachments.
- Limit the number of messages that are downloaded.

The following table shows settings that are useful for setting up your e-mail account:

Setting	Description
User name	Enter the user name that your ISP or network administrator assigns. This is often the first part of your e-mail address, which appears before the at sign (@).
Password	Create a strong password. You have the option to save your password so that you do not need to enter it each time you connect to your e-mail server.
Domain	This setting is not required for an account with an ISP but might be required for a work account.
Account type	Select POP3 or IMAP4.
Account display name	Enter a unique name for the account, such as Work or Home. This name cannot be changed later.
Incoming mail server	Enter the name of your e-mail server (POP3 or IMAP4).
Outgoing mail server	Enter the name of your outgoing e-mail server (SMTP).
Require SSL for Incoming e-mail	Select this setting to ensure that you always receive e-mail from this account using an SSL connection. Note that if you select this and your ISP does not support an SSL connection, you might not be able to receive e-mail.
Require SSL for Outgoing e-mail	Select this setting to ensure that you always send e-mail from this account using an SSL connection. Note that if you select this and your ISP does not support an SSL connection, you might not be able to send e-mail.
Outgoing server requires authentication	Select this if your outgoing e-mail server (SMTP) requires authentication. Your user name and password are required.
Use the same user name and password for sending e-mail	Select this if your outgoing e-mail server uses the same user name and password as the ones you entered before.

 **TIP:** You can set up several e-mail accounts in addition to your Outlook e-mail account. However, you cannot add a new account while connected. Press **Menu > Stop Send/Receive** to disconnect.

Change the e-mail download options

You can customize the following download options for each e-mail account that you have with an ISP, or any account that you access using a VPN server connection (typically a work account).

You can choose from these options:


- Whether messages are downloaded automatically.
- How much e-mail is downloaded.
- If and how attachments are downloaded (IMAP4 only).

To change the e-mail download options for POP3 or IMAP4 e-mail account:

1. Press **Start > Messaging**.
2. Highlight the e-mail account, and then press **Menu > Settings**.
3. On the **Contents** screen, select **Edit Account Setup**.
4. Press **Next**.
5. Enter your changes on the next few screens, and then press **Finish**.

To change the e-mail download options for Outlook e-mail account:

1. Press **Start > Messaging**.
2. Highlight the Outlook e-mail account and press **Menu > Settings**.
3. Select **Edit Account Setup**.
4. Press **Next**.
5. Enter your changes on the next few screens, and then press **Finish**.

 **TIP:** To send and receive messages automatically, press **Connect**, check for messages and specify a time interval. Connecting automatically might result in higher connection charges. In addition, it consumes battery capacity and reduces the stand-by time.


To save memory, reduce the number of e-mails downloaded to your device by reducing the number of days for which the e-mails are downloaded.

To change data that you want to synchronize for an Outlook account, press **Start > Applications > ActiveSync > Menu > Options**.

Delete an account

To delete an account:


1. Press **Start > Messaging**.
2. Highlight the e-mail account to delete, and then press **Menu > Delete**.
3. Press **Yes**.

 **NOTE:** You cannot delete your text message account, Outlook E-mail account, Windows Live™ account, and MMS account.

Synchronize e-mail

When you synchronize the Outlook e-mail on the computer with your device, this is what happens with your e-mail messages:

- Messages in the Inbox folder on your computer or Exchange Server are copied to the Inbox folder of the Outlook e-mail account on your device.
- Messages in the Outbox folder on your device are transferred to Exchange Server or Outlook and then sent from those programs.
- When you delete a message on your device, it is deleted from your computer or Exchange Server the next time you synchronize.
- The default synchronization settings synchronize messages from the past three days and download the first 0.5 KB of each new message. No file attachments are downloaded.

 **NOTE:** For more information on starting Outlook e-mail synchronization or changing synchronization settings, see the synchronization software's help on the computer.

Text messages are not received through synchronization. Instead, your service provider sends them to your device.

Use messaging

Folder types

Each messaging account has a set of five default Messaging folders:

- **Inbox**
- **Outbox**
- **Deleted Items**
- **Drafts**
- **Sent Items**

The messages you receive and send through the account are stored in these folders. You can also create additional folders for each account.

The way folders work varies by type:

- If you use an Outlook e-mail account, e-mail messages in the Inbox folder in Outlook are synchronized with your device automatically. Select additional folders for synchronization by assigning them designations. The folders you create and the messages you move are then mirrored on the e-mail server.
- If you use an MMS account or a text message account, messages are stored in the Inbox folder.
- If you use a POP3 account and move your e-mail messages to a folder you created, the link breaks between the messages on the device and their copies on the e-mail server. When you connect, the e-mail server detects that the messages are missing from the HP iPAQ Inbox folder and deletes them from the e-mail server. This prevents having duplicate copies of a message, but it also means that you do not have access to messages.
- If you use an IMAP4 account, the folders you create and the e-mail messages you move are mirrored on the e-mail server. That is, they exist in both places. These messages are therefore available from any location or device. This synchronization occurs whenever you connect to your

e-mail server, and when you create new folders, or rename or delete folders when connected. You can also set different download options for each folder.

Press and hold a shortcut key on the keyboard, from any folder, to perform certain tasks quickly.

Email Shortcut keys

Key	Task
0	List Shortcuts
1	Reply All
2	Reply
3	Mark Read/Unread
4	Flag
5	Move
6	Forward
7	Delete
8	Download Message
9	Send/Receive

Compose and send e-mails

To compose and send messages:

1. Press **Start > Messaging** to open the messaging program.
2. In the message list, select an e-mail account.
3. Press **Menu > New**.
4. Enter the e-mail address of one or more recipients, separating addresses with a semicolon. To access addresses and phone numbers from **Contacts**, go to **To** and press **Menu > Add Recipient**.
5. Enter your message.
6. Press **Send**.

 **TIP:** To set the priority, press **Menu > Message options**.

If you are working offline, e-mail messages move to the Outbox folder and are sent the next time you connect.

Reply to or forward a message


To reply to or forward a message:

1. Select a message to open it, and then press **Menu > Reply > Reply, Reply All, or Forward**.
2. Enter your response.
3. Press **Send**.

Add an attachment to a message

To add an attachment to a message:

1. In an open message, press **Menu > Insert** and select the item to attach: **Picture**, **Voice Note**, or **File**.
2. Select the file to attach or record a voice note.

 **NOTE:** Embedded files cannot be attached to messages.

Receive attachments

An attachment, sent with an e-mail message or downloaded from the server is displayed below the subject of the message. The attachment opens if it has been fully downloaded or marks it for download the next time you send and receive e-mail. You can also download attachments automatically with your messages if you have an Outlook e-mail or IMAP4 e-mail account.

If you have an Outlook e-mail account:

1. On your computer, click **Start > ActiveSync**.
2. Click **Tools > Options...**
3. Click **E-mail > Settings**, and then select the **Include file attachments** check box.

If you have an IMAP4 e-mail account with an ISP or an account that you access using a VPN server connection (typically a work account):

1. Press **Start > Messaging** to open the messaging program.
2. Highlight the name of the IMAP4 account.
3. Press **Menu > Settings > Download Size Settings**.
4. Make the required changes to these options:
 - **Message format**
 - **Message download limit**
5. Press **Done**.

 **TIP:** Embedded pictures and objects cannot be received as attachments.

An embedded message can be viewed as an attachment when using IMAP4 to receive e-mail. However, this feature does not work if Transport Neutral Encapsulation Format (TNEF) is turned on so that you can receive meeting requests.

Receive meeting requests

When you retrieve your e-mail messages through ActiveSync, you can receive meeting requests. When connecting directly to an e-mail server, the server must be running Microsoft Exchange Server Version 5.5 or later for you to receive meeting requests.

If the server is running Microsoft Exchange Server 2000 or later, your meeting requests are automatically received in your Inbox. However, to receive meeting requests on Microsoft Exchange Server V5.5, do the following preparation:

- Ask your system administrator to activate Rich Text Format (RTF) and TNEF support for your account.

With TNEF turned on, your messages that are included in other messages as attachments are not received, and you cannot know if a message has an attachment until you get the full copy. In addition, download time might be longer.

- Change e-mail download options if your account is not set up to receive attachments.

After you are set up to receive meeting requests, do the following:

1. Open the meeting request.
2. Press **Accept**, or **Menu > Tentative**, or **Menu > Decline**. You can also include a message with the response. The response will be sent the next time that you synchronize or connect to your e-mail server, and your device calendar will be updated.

Create or change a signature


To create or change a signature:

1. Press **Start > Messaging**, to open the messaging program.
2. Select the account to create or change a signature.

If an Outlook e-mail account is not configured on your HP iPAQ, then connect your HP iPAQ to the desktop and synchronize it with the Outlook e-mail account on your desktop. Select the account for which the signature has to be created or changed.

3. Press **Menu > Tools > Options > Signatures**
4. Select the **Use signature with this account** check box if it is not already selected.
5. Select the **Include when replying and forwarding** check box, if required.
6. Enter a signature in the box.
7. Press **Done**.


To stop using a signature, clear the **Use signature with this account** check box.

 **TIP:** You can use a different signature with each messaging account.

Download messages

The way you download messages depends on the type of account you have:

- To send and receive e-mail for an Outlook e-mail account, begin with synchronization through ActiveSync.
- You can receive text messages when your HP iPAQ is switched to phone mode. When your HP iPAQ is turned off (in flight mode), your service provider holds messages until the next time you turn on your HP iPAQ

 **TIP:** By default, messages you send are not saved on your device to help conserve memory. To keep copies of sent messages in the messaging list, press **Menu > Tools > Options > Sending**, and select the **Save copies of sent items** check box.

If your account is an Outlook e-mail or IMAP4 account, you must also select the Sent Items folder for synchronization. To do this, press **Start > Messaging > Outlook E-mail**. Then press **Menu > Folders**. Highlight **Sent Items**, and press **Menu > Manage Folders** and then press **Sync**.


You can also synchronize your sent items using the ActiveSync software. Connect your HP iPAQ to your computer. Click **Tools > Options > Select e-mail > Settings... > Select Folders...**

Download messages from a server

To download messages from a server:

1. In messaging, select the account to use.
2. Press **Menu > Send/Receive**.

The messages on your device and e-mail server are synchronized. New messages are downloaded to the device **Inbox** folder, messages in the device **Outbox** folder are sent, and messages that have been deleted from the server are removed from the device **Inbox** folder.


 **TIP:** To read the entire message, press **Menu > Download Message** in the message window. In the message list, select the message, and then press **Menu > Download Message**. The message is downloaded the next time you send and receive e-mail. Message attachments are also downloaded if you have set those options while setting up your e-mail account.

The size column in the message list displays the local size and server size of a message. These numbers might differ because the size of a message can vary between the server and the device.

Install an online address book

Many e-mail servers, including servers running Exchange Server, can verify names with an online address book called a directory service. When you create an e-mail account, the directory service of your e-mail server is added to the address book. To enable a directory service or to use additional services, follow these steps:

1. If you are adding a new account, ask your network administrator for the name of the directory service and the server.
2. In the **Message** list, press **Menu > Options > Address**.
3. In the **In Contacts, get e-mail addresses from** list, select the e-mail address book to be checked. **Contacts** will be checked first unless you select **None**.
4. If your e-mail server is already listed, select the server's directory service check box to enable it, and press **OK**.
5. If your e-mail service is not listed, press **Add...**
6. In the **Directory name** and **Server** boxes, enter the directory and server names.
7. Ask your network administrator if you need authentication for your server. If you do, select the **Authentication is necessary on this server** check box, and enter your user name and password.
8. To have messaging check this service, select the **Check name against this server** check box.


 **TIP:** To delete a service, select the service and press **Delete**.


When you synchronize your Outlook e-mail account, turn off any installed directory services by clearing the **Check name against this server** check box to avoid seeing error messages.

10 Calendar

Use **Calendar** to schedule appointments, including meetings and other events. You can display appointments for the day on the **Home** screen.

▲ To access **Calendar**, press **Start > Calendar**.

 **TIP:** You can also access **Calendar** by selecting an upcoming appointment or event from the **Home** screen.

 **NOTE:** The Calendar can be synchronized using ActiveSync or WMDC. For more Information, see [Synchronization on page 81](#).

Create a new appointment


To create a new appointment:

1. To access **Calendar**, press **Start > Calendar**.
2. Press **Menu > New Appointment**.
3. Enter the required details.
4. Set the time for the reminder to alert you.
5. Press **Done**.

Assign a sensitivity level to an appointment

To assign a sensitivity level:

▲ Open the required appointment, press **Menu > Edit > Sensitivity**, and then change the **Sensitivity** level from the list.

 **NOTE:** For a new item, create the item, and then select **Sensitivity**.

Change the display of the work week

Customize your **Calendar** for a work week to start on Sunday or Monday. Schedule your calendar for a five, six, or seven-day week.

To change the display of the work week:

1. To access **Calendar**, press **Start > Calendar**.
2. Press **Menu > Tools > Options** and take one or both of the following actions:
 - To specify the first day of the week, select **Sunday** or **Monday** in the **First day of week** box.
 - To specify the number of days to appear in a work week, select **5-day week**, **6-day week**, or **7-day week** in the **Week view** box.
3. Press **Done**.

Set a default reminder for all new appointments


To automatically turn on a reminder for all new appointments:

1. To access **Calendar**, press **Start > Calendar**.
2. Press **Menu > Tools > Options**.
3. Select the **Set reminders**.
4. Set the time for the reminder to alert you.
5. Press **Done**.

Update an appointment

To update an appointment on your calendar:

1. To access **Calendar**, press **Start > Calendar**.
2. Open the appointment to update, and then press **Menu > Edit** to make your changes.
3. Make the required changes, and then press **Done**.


 **NOTE:** For recurring appointments, you can update all recurring appointments or just one.

Cancel an appointment

When you delete an appointment in **Calendar** on your HP iPAQ, it is also deleted on your computer the next time you synchronize. If the appointment has not been synchronized with a computer, it is deleted only from your HP iPAQ.

To cancel an appointment:

1. To access **Calendar**, press **Start > Calendar**.
2. In **Agenda** view, select the appointment to delete.
3. Press **Menu > Delete Appointment**.
4. Press **Yes** to delete the appointment. Press **No** to keep the appointment and prevent the deletion.

 **NOTE:** To delete an appointment, you can also select the appointment and then press **Menu > Delete**.

11 Tasks

Tasks provides you with an easy way to create a to-do list. Categorize tasks, mark them as complete, when required, and configure tasks to remind you about upcoming appointments.

Create a new task


To create a new task:

1. Press **Start > Tasks**.
2. Press **Menu > New Task**.
3. Specify the options for the task.
4. Press **Done**.

Create and assign a category to a task

To create and assign a category:

- ▲ Open the required task and press **Edit > Categories**.

 **NOTE:** For a new item, create the item, and then select **Categories**.

To create a new category, press **New** and assign a name to the category for a contact, task, or an appointment. The new category is assigned automatically to the item.

Set the start and due dates for a task

To set the dates for a task:

1. Press **Start > Tasks**.
2. Open the task to set start and due dates for.
3. Press **Edit** and take one or both of the following actions:
 - Go to **Start date** to specify a start date for the task.
 - Go to **Due date** to specify a due date for the task.
4. Press **Done**.

Show the start and due dates in the task list


To turn on the display of dates for a task in the task list:

1. Press **Start > Tasks**.
2. Press **Menu > Options...**
3. Select the **Show start and due dates** check box.
4. Press **Done**.

Mark a task as completed

To mark a task as completed:

1. Press **Start > Tasks**.
2. Highlight the task to mark as completed.
3. Press **Complete**.


 **NOTE:** To activate a completed task, highlight the task, and then press **Activate**.

12 Camera

Your HP iPAQ has a 3.1 megapixel camera that you can use to take photos and record video clips.

Use the camera


Use the built-in digital camera on your HP iPAQ to capture photos.

 **NOTE:** For better stability while capturing photos, hold your HP iPAQ horizontally with the camera button pointing upwards.

Capture photos

Capture images and store them in your HP iPAQ or on a memory card:

1. Press the camera button on the right panel of your HP iPAQ, or press **Start > Media > Pictures & Videos > Camera**.
2. Press the camera button to click a photo and automatically save it in **File Explorer > My Documents > My Pictures**.

 **NOTE:** Press the camera button gently to focus and then press completely to capture the photo.

View photos

To view photos captured on your HP iPAQ:

1. Press **Start > Media > Pictures & Videos**.
2. Navigate to a required picture.
3. Press **View** to view the photo.


Camera settings

Adjust the camera settings for capturing photos and videos. Use the settings to specify the dimensions and color settings for your photos and videos.

Basic settings

To enable the shutter sound:

1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu > Options**, and select the **Enable Shutter Sound** check box.

 **NOTE:** The shutter sound confirms that the image is captured. Hold your HP iPAQ steady until you hear the sound to capture clear images.

To change the file name prefix:

1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu > Options**.
3. Edit the **Filename prefix**.


Instant review displays the captured image. This helps you decide if the captured image is according to your requirement. Use this setting to determine how long the captured image is displayed.

To change instant review settings:

1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu > Options**, and then select **Instant review**. Select the time limit from the following:
 - **Never**
 - **2 seconds**
 - **5 seconds**
 - **Indefinite**

To turn on the flash LED:

1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu**, and then select **Flash**.

 **NOTE:** Follow the same steps to turn off the **Flash**.

To change the zoom settings:

1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu > Settings**, and then select **Zoom**. Change the zoom setting according to your requirement.

Photo settings

To change the brightness settings:

1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu > Settings**, and then select **Brightness**. Select from the following brightness levels:
 - **-2**
 - **-1**
 - **0**
 - **+1**
 - **+2**

To change the contrast settings:

1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu > Settings**, and then select **Contrast**. Select from the following contrast levels:
 - -2
 - -1
 - 0
 - +1
 - +2

To change the sharpness settings:

1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu > Settings**, and then select **Sharpness**. Select from the following sharpness levels:
 - -2
 - -1
 - 0
 - +1
 - +2

To change the resolution settings:


1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu**, and then select **Resolution**. Select from the following resolutions:
 - **QVGA(320x240)**
 - **VGA(640x480)**
 - **1MP(1280x960)**
 - **1.3MP(1280x1024)**
 - **2MP(1600x1200)**
 - **3MP(2048x1536)**

The white balance setting improves the photo quality by adjusting the camera lens aperture according to the surrounding light conditions.

To change the white balance settings:

1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu > Settings**, and then select **White Balance**. Change the white balance settings to match the ambient lighting:
 - **Auto**
 - **Daylight**

- **Shade**
- **Incandescent**
- **Fluorescent**

 **NOTE:** You can select the **White Balance** according to the lighting conditions when taking a picture or video.

The night mode setting improves the quality of photos captured at night or in darkness.

To activate the night mode:

1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu**, and then select **Night Mode**.

To change the photo quality settings:

1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu > Quality**, and then select from the following.
 - **Low**
 - **Medium**
 - **High**

To change the flicker filter settings:

1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu > Settings**, and then select **Flicker Filter**. You can select the flicker filter settings from these options:
 - **OFF**
 - **110v/60Hz**
 - **240v/50Hz**

To change the location for storing images:

1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu > Settings**, and then select **Save to...**
3. Select **Device** to store the images on your HP iPAQ or select **SD Card** to save the images on the microSD card.

To rotate the captured images:

1. Press **Start > Media > Pictures & Videos**.
2. Select the image you want to rotate.
3. Press **Menu > Edit**.
4. Press **Menu > Rotate**.

To delete the captured images:

1. Press **Start >Media > Pictures & Videos**.
2. Select the image you want to delete.
3. Press **Menu >Delete**.

Use the video recorder


Use the built-in camcorder to record video clips.

Record videos

Use the built-in camcorder on your HP iPAQ to create short videos and share them with friends and family:


1. Press the camera button on the right panel of your HP iPAQ or press **Start > Media > Pictures & Videos > Camera**.
2. Press **Menu > Video**.
3. Press the camera button to start or stop the recording.

Video settings

 **NOTE:** For better results while capturing videos, hold your HP iPAQ horizontally with the camera button pointing upwards.

Press **Start > Media > Pictures & Videos > Camera**, and then press **Menu > Video**.

- To set the time limit, press **Menu > Capture Time** and set the time limit to one of the following:
 - 15 Seconds
 - 30 Seconds
 - No Limit
- To set the video resolution, press **Menu > Resolution** and select one of the following:
 - QCIF
 - QVGA
 - CIF
 - VGA

 **NOTE:** By default, the captured pictures and the captured videos are stored in **My Pictures**.

To delete the captured videos:

1. Press **Start > Media > Pictures & Videos**.
2. Select the video you want to delete.
3. Press **Menu >Delete**.

Transfer images

Transfer the photos and videos captured using your HP iPAQ to your e-mail account, another mobile device, or a computer.

Use GPRS

When the phone radio is turned on for the first time, the **HP iPAQ DataConnect** program detects the mobile phone service provider and automatically populates the Multimedia Messaging Service (MMS) settings on the HP iPAQ.

To transfer pictures using MMS:

1. Press **Start > Messaging > SMS/MMS**.
2. On the **SMS/MMS** screen, press **Menu > New > MMS**.
3. Press **Menu > Insert > Picture/Video**.
4. Select the picture you want to send.
5. Enter the recipient's number in **To**.
6. Press **Send**.

Use Bluetooth


To transfer images from your HP iPAQ to other devices:

1. Press **Start > Media > Pictures & Videos**.
2. Select a picture.
3. Press **Menu > Beam...**, select the device, and then press **Beam**.

13 Connections

You can use your HP iPAQ to connect and exchange information with other handheld devices, computers, and other networks. You can connect using:


- Wi-Fi
- Bluetooth
- Phone

 **NOTE:** You can also use your HP iPAQ as a wireless modem. For more information, see [Internet Sharing on page 90](#).

Connect by pressing **Start > Settings > Connections**.

Use Wireless Manager

Use **Wireless Manager** to turn the wireless connections for Wi-Fi, Bluetooth, and Phone on and off.

 **NOTE:** When the phone connection is turned off, you cannot receive or make a call, including emergency calls. To receive and make a call, turn on the Phone connection.

To use **Wireless Manager**, select the link on the **Home** screen or press **Start > Settings > Connections > Wireless Manager**.

Option	Description
All	Select All to turn the functions of the Wi-Fi , Bluetooth , and Phone connections off or on.
Wi-Fi	Select Wi-Fi to turn the Wi-Fi connection off or on.
Bluetooth	Select Bluetooth to turn the Bluetooth connection off or on.
Phone	Select Phone to turn the Phone connection off or on.

All wireless connections are turned off when your HP iPAQ is in “flight” mode.


HSPA/GPRS/EDGE

HSPA

High Speed Packet Access (HSPA) is an enhancement of Wideband Code Division Multiple Access (WCDMA), which is based on 3G technology and offers better data compression. Your HP iPAQ supports HSDPA up to 7.2 Mbps for high speed downloads and 2.0 Mbps for upload using WCDMA. When WCDMA or HSPA is available, the device uses the technology and reverts to GSM/GPRS/EDGE if WCDMA or HSPA is unavailable. Your HP iPAQ also supports WCDMA/HSPA in three different frequency bands (900/1900/2100).


GPRS/EDGE

The GPRS/EDGE technology enables the mobile phone network to be used for messaging or to access the corporate network or the World Wide Web.

 **NOTE:** EDGE enables faster data connections and is an enhanced version of 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 the 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/3G technology

GSM technology is typically used for voice calls and text messaging, whereas GPRS/EDGE/WCDMA/3G technology provides a connection to the mobile phone network that can be used for Web browsing, Multimedia Messaging Service (MMS), or accessing your corporate network.

 **NOTE:** If data services are used, they are charged additionally to your standard mobile phone service.

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. You can change these settings to suit your preference or create your own network settings.

To configure GPRS network settings:

1. Press **Start > Settings > Connections > GPRS**.
2. If your operator name displays on the **GPRS** screen, it is recommended that you use that connection and, if needed, edit the default settings.
3. Highlight your operator name and press **Menu > Edit** to edit the GPRS network settings.

Edit an Internet connection

To edit an Internet connection:

1. Press **Start > Settings > Connections > GPRS**.
2. Select the required operator name from the displayed list, and then press **Menu > Edit**.
3. Edit the following information:
 - a. Select **The Internet** in the **Connects to** list.
 - b. In the **Access point** box, enter the access point name of the server to which you are attempting to connect.
 - c. Enter the user name and password.
 - d. Select the type of authentication from the **Authentication Type** list.
 - e. In the **Primary DNS** box, enter the primary Domain Name Server (DNS) address provided by your service provider.
 - f. In the **Secondary DNS** box, enter the secondary Domain Name Server (DNS) address provided by your service provider.
 - g. In the **IP address** box, enter the IP address.
4. Press **Done** twice to confirm your settings.


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

1. Press **Start > Settings > Connections > GPRS**.
2. Select **New...**
3. Edit the following information:
 - a. In the **Description** box, enter a name for the settings. This name is for your reference.
 - b. In the **Connect to** list, select **The Internet**.
 - c. In the **Access point** box, enter an access point name of the server to which you are attempting to connect.
 - d. Enter the user name and password.
 - e. From the **Authentication Type** list, select the type of authentication.
 - f. In the **Primary DNS** box, enter the primary Domain Name Server (DNS) address provided by your service provider.
 - g. In the **Secondary DNS** box, enter the secondary Domain Name Server (DNS) address provided by your service provider.
 - h. In the **IP address** box, enter the IP address.
4. Press **Done** twice to confirm your settings.

Edit WAP information settings

To edit WAP information settings:

1. Press **Start > Settings > Connections > GPRS**.
2. Select the required operator name from the displayed list, and then press **Menu > Edit**.
3. Edit the following information:
 - a. In the **Connects to** list, select **WAP Network**.


 **NOTE:** In the **Connects to** list, select **Secure WAP Network** to connect to a secure WAP network.

 - b. In the **Access point** box, enter an access point name of the server to which you are attempting to connect.
 - c. Enter the user name and password.
 - d. From the **Authentication Type** list, select the type of authentication.
 - e. In the **Primary DNS** box, enter the primary Domain Name Server (DNS) address provided by your service provider.
 - f. In the **Secondary DNS** box, enter the secondary Domain Name Server (DNS) address provided by your service provider.
 - g. In the **IP address** box, enter the IP address.
4. Press **Done** twice to confirm your settings.

Alternatively, you can also follow the steps given below to add a new WAP settings:

1. Press **Start > Settings > Connections > GPRS**.
2. Select **New**.

3. Edit the following information:
 - a. Enter a name for the settings in the **Description** box. This name is for your reference.
 - b. In the **Connect to** list, select **WAP Network**.

 **NOTE:** In the **Connect to** list, select **Secure WAP Network** to connect to a secure WAP network.

 - c. In the **Access point** box, enter an access point name of the server to which you are attempting to connect.
 - d. Enter the user name and password.
 - e. From the **Authentication Type** list, select the type of authentication.
 - f. In the **Primary DNS** box, enter the primary Domain Name Server (DNS) address provided by your service provider.
 - g. In the **Secondary DNS** box, enter the secondary Domain Name Server (DNS) address provided by your service provider.
 - h. In the **IP address** box, enter the IP address.
4. Press **Done** twice to confirm your settings.


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 might interfere with a connection.
- In the **HP iPAQ DataConnect** application, select the appropriate country and operator name, and then press **Done**. The settings are automatically updated.

Bluetooth

Bluetooth allows wireless communication with other Bluetooth-enabled devices. Send and receive files from one device to another over Bluetooth within a range of 10 meters (30 feet). You can also use Bluetooth to connect to a Bluetooth headset, computer, car kits, and other Bluetooth-enabled devices.

 **NOTE:** The files received through Bluetooth are automatically stored in **My Documents** folder.

Bluetooth terms

HP recommends that you become familiar with the following terms as you begin to use Bluetooth technology.

Term	Definition
Authentication	Verification of a numeric passkey in advance of connection or activity.
Authorization	Approval of a connection, access, or activity before it can be completed.

Term	Definition
Bonding (Pairing devices)	Creating a trusted connection between your device and another. After a bond is created, the two devices become paired. A paired device does not require authentication or authorization.
Device address	Unique electronic address of a Bluetooth device.
Device discovery	Location and recognition of another Bluetooth device.
Device ID	Name that a Bluetooth device provides when discovered by another device.
Encryption	Method of protecting data.
Passkey	Code you enter to authenticate connections or activities that the other device requests.
Personal Information Manager (PIM)	Collection of programs used to manage daily business tasks (for example: Contacts, Calendar, and Tasks).
Profiles	Collection of Bluetooth settings.
Service discovery	Determination of which programs you have in common with other devices.

Open Bluetooth settings


To open Bluetooth settings:

1. Press the **Wireless Manager** link on the **Home** screen or press **Start > Settings > Connections > Wireless Manager**.
2. Press **Menu > Bluetooth Settings**.

Connect to a computer using Bluetooth

To connect to a computer through Bluetooth using ActiveSync:

1. Follow the instructions in the synchronization software help on the computer to configure Bluetooth on your computer for ActiveSync support.
2. On your HP iPAQ, press **Start > Applications > ActiveSync**.
3. Press **Menu > Connect via Bluetooth**. Make sure that the device and computer are within close range.
4. If this is the first time you have connected to this computer through Bluetooth, complete the Bluetooth wizard on your HP iPAQ and set up a Bluetooth partnership with the computer.
5. Press **Sync**.
6. Press **Menu > Disconnect Bluetooth** to disconnect after you have used the connection.

 **TIP:** To preserve battery power, turn off Bluetooth.

To connect to a computer through Bluetooth using WMDC:


1. Follow the instructions in the synchronization software help on the computer for configuring Bluetooth.
2. On your HP iPAQ, press **Start > Applications > ActiveSync**.

3. Press **Menu > Connect via Bluetooth**. Make sure that the device and computer are within close range.
4. When prompted, press **Yes**, if you want to set up a partnership.
5. On the computer, when prompted about a Bluetooth device attempting to connect with the computer, click **To allow this connection**.
6. When finished, press **Menu > Disconnect** to disconnect.

For more information, see [Synchronization on page 81](#).


Create, end, and accept a Bluetooth partnership

To exchange information between your HP iPAQ and another device that has Bluetooth capabilities, first create a Bluetooth partnership between the two devices.

 **NOTE:** To exchange information between two Bluetooth-enabled devices, make sure Bluetooth is turned on, on both devices. The devices need to be in the discoverable mode.

To create a Bluetooth partnership:

1. Press the **Wireless Manager** link on the **Home** screen or press **Start > Settings > Connections > Bluetooth**.
2. Select **Add new device...** Your HP iPAQ searches for other devices with Bluetooth capabilities and displays them in the list.
3. Select the name of the other device and press **Next**.
4. To set a passcode, which is recommended for enhanced security, enter an alphanumeric passcode between 1 and 16 characters in the **Passcode** box, and press **Next**. Otherwise, leave the passcode blank, and press **Next**.

 **NOTE:** For creating partnerships with cellular phones, it is mandatory that you provide a numeric passcode.

5. Enter the same passcode on the other device.
6. Press **Done** on your HP iPAQ.

To end a Bluetooth partnership:

1. Press the **Wireless Manager** link on the **Home** screen or press **Start > Settings > Connections > Bluetooth**.
2. Select the partnership to end.
3. Press **Menu > Delete**.
4. On the confirmation screen press **Yes**.

To accept a Bluetooth partnership:

1. To make sure that your HP iPAQ is visible to and within the prescribed (10 meters) range of the pairing device, press **Start > Settings > Connections > Bluetooth > Menu > Turn On Visibility**.
2. When prompted to accept a partnership with the device that is requesting the relationship, press **Yes**.

3. If a passkey is requested, enter an alphanumeric passkey between 1 and 16 characters in **Passcode** box and press **Next**. Enter the same passkey in the device requesting the partnership. Using a passkey provides greater security.
4. Press **Done**.

If you cannot discover another device, try the following remedies:

- Make sure Bluetooth is turned on.
- Move closer to the device.
- Make sure that the device you are attempting to connect is on and is visible to other devices.

Edit a Bluetooth partnership

To rename a Bluetooth partnership:

1. Press the **Wireless Manager** link on the **Home** screen or press **Start > Settings > Connections > Bluetooth**.
2. Select the partnership to edit, and then press **Menu > Edit**.
3. In the **Enter a display name for the device** box, enter a new name for the partnership.
4. On the **Services** screen, select how to use the paired device:
 - Select the **Input Device** check box for pairing with a Bluetooth headset.
 - Select the **Serial Port** check box to be able to transfer data to and from the paired device.
5. Press **Done**.

Bluetooth device profiles


The functions that Bluetooth supports are called services or profiles. You can communicate only with Bluetooth devices that support at least one of the following profiles:

- ActiveSync (via Serial Port Profile)
- Advanced Audio Distribution Profile (A2DP)
- Generic Access Profile (GAP)
- Hands-Free Profile (HFP)
- Headset Support Profile (HSP)
- Human Interface Device Profile (HID)
- Generic Object Exchange Profile (GOEP)
- Object Push Protocol (OPP)
- Serial Port Profile (SPP)
- Dial-up Networking Profile (DUN)
- Phone Book Access Profile (PBAP)
- File Transfer Profile (FTP-Server only)
- Audio/Video Remote Control Profile (AVRCP)
- Personal Area Networking Profile (PAN)


Set up an incoming or outgoing Bluetooth communications (COM) port

To set up incoming or outgoing Bluetooth COM port:

1. Make sure your HP iPAQ is connected to the other device through Bluetooth.
2. Press **Start > Settings > Connections > Bluetooth**.
3. Press **Menu > COM Ports**.
4. Press **Menu > New Outgoing Port**.

 **NOTE:** **New Outgoing Port** is only available if at least one Bluetooth device supports serial (COM) connection.

5. Select the paired device to set up as a COM port.
6. Select a numbered COM port from the list.

 **NOTE:** If the port cannot be created, it is already in use. Select a different numbered port.

7. To limit communication on this COM port to only devices with which the HP iPAQ has a Bluetooth partnership, select the **Secure Connection** check box.
8. Press **Done**.

End a Bluetooth connection


End a Bluetooth connection when you are done using it in order to free your HP iPAQ's resources and conserves battery power.

To end a Bluetooth connection:

1. Press the **Wireless Manager** link on the **Home** screen or press **Start > Settings > Connections > Bluetooth**.
2. Press **Menu > Turn Off Bluetooth**.

Wi-Fi


The Wi-Fi feature in your HP iPAQ enables wireless Internet connectivity and is an effective replacement for cable based connections. Wi-Fi uses access points to transmit and receive data. Your HP iPAQ can connect to an 802.11b/g Wi-Fi or connect directly to other Wi-Fi-enabled devices.

 **NOTE:** This application is not available on all models.

Use Wi-Fi to:

- Access the Internet.
- Send and receive e-mail.
- Access corporate network information.
- Use VPNs for secure remote access.
- Use hotspots for wireless connectivity.

Press the **Wireless Manager** link on the **Home** screen or press **Start > Settings > Connections > Wi-Fi**.

 **NOTE:** Using dial-up or wireless networks to access a corporate network, e-mail, or other wireless communications, such as Bluetooth devices, might require separate hardware together with a Wi-Fi infrastructure and a service contract.

Check with your service provider for the availability of network coverage in your area. Not all Web content might be available. Some Web content might require installation of additional software.

Wi-Fi terms

Become familiar with the following terms as you begin to use Wi-Fi.

Term	Definition
802.11 standard	An approved standard specification of radio technology from the Institute of Electrical and Electronics Engineers (IEEE) used for wireless local area networks (Wi-Fi).
Device-to-computer or ad-hoc	A mode that does not use access points. It provides independent peer-to-peer connectivity in a wireless LAN.
Domain Name System (DNS)	The way that Internet domain names are located and translated into IP addresses. It is an easy name to remember for an Internet address. Every Web site has its own specific IP address on the Internet.
Encryption	An alphanumeric (letters and numbers) conversion process of data primarily used for protection against any unauthorized access.
Hotspots	Public or private areas where you can access Wi-Fi service. These wireless connections can be located, for example, at a library, cyber cafe, hotel, airport lounge, or convention center. This service can be free or sometimes requires a fee.
Infrastructure	This connection mode uses wireless access points to connect to networks.
WEP	Wired Equivalent Privacy (WEP) is an encryption standard defined by the IEEE 802.11 committee and is used for security in wireless connections.
EAP	Extensible Authentication Protocol (EAP) is an authentication protocol supporting various authentication methods, such as traditional passwords, token cards, digital certificates, etc.
GTC	Generic Token Card (GTC) carries user specific token cards for authentication. The main feature in GTC is digital certificate/token card-based authentication.
WPA-PSK	Wi-Fi Protected Access Pre-Shared Key (WPA-PSK) is used to secure Wi-Fi Connections and provides better security than WEP.
TKIP	Temporal Key Integrity Protocol (TKIP) is a security protocol used in WPA.
AES	Advanced Encryption Standard (AES) is a next-generation encryption standard, used for wireless networks.
WPA2-Personal (PSK)	WPA2-Personal (PSK) is an enhanced version of WPA-PSK.
Tunnel PAC	Tunnel Protected Access Credentials (PAC) is used to establish a secure EAP-FAST tunnel. It also communicates server policies detailing the activities that can occur in the secure tunnel.
Mach. PAC	Machine Protected Access Credentials (Mach. PAC) is used to obtain network access when a user's credentials are not available.
EAP-FAST	EAP-Flexible Authentication Via Secure Tunneling (FAST) uses PAC (Protected Access Credential) that is managed by an authentication server to provide security.
MSCHAP	Microsoft Challenge-Handshake Authentication Protocol (MSCHAP) ensures a secure connection between a client and a server by verifying the identity of the devices periodically.
LEAP	Lightweight Extensible Authentication Protocol (LEAP) creates a secure wireless connection with other devices that use Wired Equivalent Privacy.

Term	Definition
PEAP	Protected Extensible Authentication Protocol (PEAP) creates a secure tunnel between client and server devices using digital certificates.
TLS	Transport Layer Security (TLS) uses data encryption and provides a secure connection between a client and a server over the Internet.
TTLS	Tunneled Transport Layer Security (TTLS) creates a secure tunnel between devices using passwords on the client device and digital certificates on the server.
MD5	Message-Digest algorithm 5 (MD5) is a method used to encrypt data.
CCKM	Cisco Centralized Key Management (CCKM) allows secure reconnection of a mobile device when you move from one access point to another.

Open Wi-Fi settings

Access Wi-Fi settings to add, edit, and delete Wi-Fi connections on your HP iPAQ.

To open Wi-Fi settings:

1. Press the **Wireless Manager** link on the **Home** screen or press **Start > Settings > Connections > Wireless Manager**.
2. Press **Menu > Wi-Fi Settings**.

Automatically connect to a Wi-Fi network

When you try to connect to a Wi-Fi network, the HP iPAQ automatically detects the available Wi-Fi networks that are broadcasting their signal. If your Wi-Fi network is not set to broadcast, then you have to connect to it manually. While trying to connect to a Wi-Fi network if authentication is required, contact your network administrator for the details and enter the authentication information correctly.

To automatically connect to a Wi-Fi network:

1. Press the **Wireless Manager** link on the **Home** screen or press **Start > Settings > Connections > Wireless Manager > Wi-Fi**.
2. After your HP iPAQ detects a Wi-Fi network, you are prompted to connect. Select the network to connect to and press **Connect**.

Manually connect to a Wi-Fi network

Manually configure a wireless network by specifying the required settings information.

To manually connect to a Wi-Fi network:

1. Press the **Wireless Manager** link on the **Home** screen or press **Start > Settings > Connections > Wireless Manager**.
2. Press **Menu > Wi-Fi Settings > New...**
3. Enter the network name.
4. Select **Internet** to connect to the Internet through an ISP or select **Private/Work Network** to connect to a company network in the **Network type** list.

 **NOTE:** Select **Private/Work Network** if the network requires a proxy server.

Select **This is a hidden network** check box if you do not want the network to be visible to all. If you are only connecting to another Wi-Fi device, select **This is a device to device (ad-hoc) connection**.

5. Press **Next**. An authentication window opens:
 - To use authentication, select an authentication method from the **Authentication** list.
 - To use data encryption, select an encryption method from the **Data Encryption** list.
 - To automatically use a network key, select **The key is automatically provided** check box. You can also enter the **Network key** and **Key index**.
6. Press **Finish**.

Delete a Wi-Fi network

Delete manually configured networks. However, automatically detected networks cannot be deleted.

To delete an existing or available wireless network:

1. Press the **Wireless Manager** link on the **Home** screen or press **Start > Settings > Connections > Wi-Fi**.
2. Select the Wi-Fi network to delete.
3. Press **Menu > Delete**.
4. Press **Yes** on the **confirmation** screen.

End a Wi-Fi connection

HP recommends to end a Wi-Fi connection once the purpose of the connection is accomplished, this frees your HP iPAQ's resources and conserves battery power along with saving connection charges.

To end a Wi-Fi connection:

1. Press the **Wireless Manager** link on the **Home** screen or press **Start > Settings > Connections > Wi-Fi**.
2. Press **Menu > Turn Off Wi-Fi**.

Configuring 802.1x authentication settings

802.1x authentication settings provide a method to protect the network behind the access point from intruders as well as provide for dynamic keys and strengthen Wi-Fi encryption. Before performing these steps, determine if authentication information is needed by contacting your network administrator.

1. To manually enter information, press **Start > Settings > Connections > Wi-Fi**.
2. Select the network to configure, and then press **Menu > Edit**.
3. Press **Next** twice to reach the **802.1x** screen. Select **Use IEEE 802.1x** network access control check box, and then select appropriate **EAP** type.

Advanced settings


You need to specify advanced settings to connect to the Internet if your network is behind a firewall. You also need to configure advanced settings to access secure intranet sites.

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. Press **Start > Settings > Connections > Advanced**.
2. Press **Menu > Work URL Exceptions**.
3. Press **Menu > Add** to add an intranet URL.
4. Enter the URL in the **URL Pattern** box, and then press **Done**.

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

Change an intranet URL

To change an intranet URL:

1. Press **Start > Settings > Connections**.
2. Select **GPRS**, and then press **Menu > Advanced**.
3. Press **Menu > Work URL Exceptions**.
4. Highlight the intranet URL to change, and then press **Menu > Edit**.
5. Press **Done**.

 **NOTE:** To delete a work URL exception, select it in the list, and then press **Menu > Delete**.

Set up a WAP gateway

To access Wireless Access Point (WAP) sites through Internet Explorer®, configure your device 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. Press **Start > Settings > Connections > Proxy > Menu > Add**.
2. In the **Type** list, select **WAP**.

Configure advanced proxy settings

To configure advanced proxy settings:

1. Press **Start > Settings > Connections > Proxy**.
2. Press **New...** or press **Menu > Add**.

3. Enter the required information for the following specifications:
 - **Description** - Enter the description for the proxy connection.
 - **Connects from** - Select where to connect from.
 - **Connects to** - Select where to connect to.
 - **Proxy (name:port)** - Enter the port name or number.
 - **Type** - Select the connection type.
 - **User name** - Enter your user name.
 - **Password** - Enter your password.
4. Press **Done**.

Advanced connection settings

To set up advanced connections:

1. Press **Start > Settings > Connections**.
2. Press **Menu > Advanced**.
3. Select the connection type for the following options:
 - **Internet connection**
 - **Work connection**
 - **WAP connection**
 - **Secure WAP connection**
4. Press **Menu > Options** to set up the dialing rules. Change the following settings:
 - **Redial attempts**
 - **Idle disconnect after**
 - **My desktop connects to**
5. Press **Done**.

To add **Work URL Exceptions**:

1. Press **Menu > Work URL Exceptions**.
2. On the **Work URL Exceptions** screen, press **Menu > Add**, and then enter the URL in the **URL Pattern** box.
3. Press **Done** twice.

Set up a VPN server connection

A VPN connection enables secure connectivity to your corporate network through 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. Press **Start > Settings > Connections > VPN**.
2. Press **New...** or press **Menu > Add**.
3. Enter the required information.
4. Press **Done**.

 **NOTE:** Contact your service desk or IT desk to configure a VPN connection.

End a connection

Disconnect active connections on your HP iPAQ when it is not in use. This can save connection charges.

- When connected by cable, detach your HP iPAQ from the cable.
- When connected through Bluetooth, press the **Wireless Manager** link on the **Home** screen or press **Start Settings > Connections > Wireless Manager**. Next, select **Bluetooth** to turn Bluetooth off.
- When connected through Wi-Fi, press the **Wireless Manager** link on the **Home** screen or press **Start > Settings > Connections > Wireless Manager**. Next, select **Wi-Fi** to turn Wi-Fi off.


14 Synchronization

Connect and synchronize your e-mail, tasks, and contact details between your HP iPAQ and your computer. After connecting, transfer files that are stored on your computer to your HP iPAQ. You can also transfer data stored on your HP iPAQ to your computer. Synchronize e-mails, tasks, and contact details between your HP iPAQ and your computer.

Synchronization software

If your computer is running Windows XP or an earlier version of Windows, synchronization settings are managed through Microsoft ActiveSync. Microsoft ActiveSync 4.5 is available on the *Getting Started* CD, or go to <http://www.microsoft.com/windowsmobile> and click on the **Starting Out** tab to download the latest version of Microsoft ActiveSync.

If your computer is running Windows Vista, synchronization settings are managed through Windows Mobile Device Center (WMDC). WMDC 6.1 is available on the *Getting Started* CD, or go to <http://www.microsoft.com/windowsmobile> and click on the **Starting Out** tab to download the latest version of WMDC.


 **NOTE:** Microsoft ActiveSync or WMDC must be installed on your computer before you connect your HP iPAQ to the computer.

Set up the Synchronization application

After installing the Synchronization software, you can configure your HP iPAQ through the synchronization setup wizard.

To configure your HP iPAQ using the sync setup wizard:

1. Connect your HP iPAQ to the computer using the Micro-USB synchronization cable and wait for the synchronization software to launch (WMDC for Windows Vista and ActiveSync for Windows XP).
2. Click **Next** after the sync setup wizard is displayed.
3. Select one of the following options:
 - Select the **Synchronize directly with a server running Microsoft Exchange. To do this now, you will need to have the server address and your logon credentials** check box and click **Next**. Enter the required information on the screen to configure your e-mail account using the Exchange Server.
 - To sync your HP iPAQ to the Outlook e-mail account on your computer, clear the **Synchronize directly with a server running Microsoft Exchange. To do this now, you will need to have the server address and your logon credentials** check box, and then click **Next**.
4. Select the item to synchronize from the **Information Type** list and select either **Windows PC (This PC)** or **Microsoft Exchange** from the **Source** list.
5. Click **Next** and click **Finish** to complete the setup.

 **NOTE:** Configuring the synchronization program is a one time activity. After the set up is completed, synchronization takes place every time your HP iPAQ is connected to your computer.

After installing the synchronization application you can synchronize Outlook, Contacts, e-mails, Calendar, Task, etc. You can also copy files to and from the computer using ActiveSync or WMDC.

Synchronize data and copy files

To copy files when setting up the synchronization application:

1. Connect your HP iPAQ to the computer using the Micro-USB synchronization cable and wait for the synchronization software to launch (WMDC for Windows Vista or ActiveSync for Windows XP).
2. Click **Next** after the sync setup wizard is displayed.
3. Select one of the following options:
 - Select the **Synchronize directly with a server running Microsoft Exchange. To do this now, you will need to have the server address and your logon credentials** check box and click **Next**. Enter the required information on the screen to configure your e-mail account using the Exchange Server.
 - To sync your HP iPAQ to the Outlook e-mail account on your computer, clear the **Synchronize directly with a server running Microsoft Exchange. To do this now, you will need to have the server address and your logon credentials** check box, and then click **Next**.
4. Select the item to synchronize from the **Information Type** list. To copy the files select **Files** and to copy media files select **Media**.
5. Follow the instructions displayed on the screen.
6. Click **Next** and click **Finish** to complete the setup.

To copy files using ActiveSync without using the sync setup wizard:

1. Connect your HP iPAQ to the computer using the Micro-USB synchronization cable and wait for the synchronization software to launch (WMDC for Windows Vista or ActiveSync for Windows XP).
2. After the sync setup wizard launches, click **Cancel** to continue copying files without using the wizard.
3. On the computer, select **Start > Applications > Microsoft ActiveSync**.
4. In the **ActiveSync** window, select **Explore**.
5. Double-click **My Windows Mobile-Based Device** and select the files to be copied to or from your computer.
6. Open **Windows Explorer** on your computer and locate the files to be copied to or from your HP iPAQ.
7. Drag and drop the files between your HP iPAQ and the computer. ActiveSync converts the files so that they can be used by the Microsoft® Office Mobile programs, if necessary.



NOTE: You cannot copy pre-installed files or system files.

To copy files using WMDC:

1. Connect your HP iPAQ to the computer and wait for WMDC to launch automatically.
2. Click **File Management** to access the **Mobile Device** folder for your device.
3. In the **Mobile Device** folder, navigate to and select the file to copy on your device or computer.


Move the files directly into **My Documents** on your HP iPAQ, or into a folder inside **My Documents**.

Port data to Microsoft Windows Mobile 6.1

If you were using a different device prior to purchasing HP iPAQ, you can port the existing data in that device to Microsoft Windows Mobile 6.1.


To port data to Windows Mobile 6.1:

1. Make sure that you have Microsoft Outlook 98 or later is installed on your computer.


 **NOTE:** In order to synchronize, Microsoft Outlook must be set as your default e-mail program. If you need to change your settings, open Microsoft Outlook, click **Tools > Options > Other** tab, and select the **Make Outlook the default program for E-mail, Contacts, and Calendar** check box. Click **Apply > OK**, and then restart your computer.

2. Switch synchronization from your synchronization software to Outlook. See the documentation provided with your device.
3. Use the software to synchronize the information on your device with Outlook. See the documentation provided with your device.

Synchronize your existing device with Outlook.

 **NOTE:** Use the latest synchronization software to synchronize your existing device with Outlook. To synchronize your existing device with Outlook, see the documentation provided with that device.

4. Synchronize the information from Outlook to your HP iPAQ.





 **NOTE:** Disconnect the existing device before you synchronize your HP iPAQ.

Troubleshoot synchronization issues

The following symptoms might indicate synchronization issues for Windows Vista:

- WMDC does not launch even after installation.

Following is a list of symptoms that might indicate synchronization issues for Windows XP:


- No **ActiveSync** tone plays (or  gray icon displays), and there is no activity in the **ActiveSync** window on your computer.
- The **ActiveSync** tone plays, and the **ActiveSync** icon on your computer changes to  swirling green icon. The **Retrieving settings** message displays on your computer, but the **ActiveSync** connection drops before establishing the partnership.
- **ActiveSync** is searching for a connection but cannot establish one. ( green icon on your computer continues to spin.)
- Synchronization has been established between your HP iPAQ and computer but the connection is dropped. ( green icon on your computer stops spinning and grays out.)
- A firewall or other network protection software message box is displayed for **ActiveSync** to access the network or Internet.

Try suggestions from the following list of troubleshooting tips if you experience difficulty while synchronizing your HP iPAQ and computer.

- Check your computer OS before you begin synchronizing information between your HP iPAQ and computer. The synchronization method varies depending on the OS running on the computer.

If your computer is running Windows XP or an earlier version, synchronization settings are managed through Microsoft ActiveSync. Microsoft ActiveSync 4.5 is available on the *Getting Started* CD. Visit <http://www.microsoft.com/windowsmobile> and click on the **Starting Out** tab for more information or to download the latest version of Microsoft ActiveSync.

If your computer is running Windows Vista, synchronization settings are managed through WMDC. WMDC 6.1 is available on the *Getting Started* CD. Visit <http://www.microsoft.com/windowsmobile> and click on the **Starting Out** tab to download the latest version of Windows Mobile Device Center.

 **NOTE:** HP does not guarantee functionality of any third party programs with Windows XP or Windows Vista.

- If you are running **ActiveSync** 4.5 or later and personal firewall software on your computer, add **ActiveSync** to the firewall program's exception list.

Firewall software, such as Sygate Personal Firewall, TrendMicro PC-cillin Internet Security 2005, Norton Personal Firewall, McAfee Personal Firewall, or Zone Alarm Security Suite might block synchronization. See the documentation that came with your firewall program to determine how to add ActiveSync 4.5 or later to the program's exception list. To further troubleshoot a firewall program and enable ActiveSync 4.5 or later. For more information, go to <http://www.microsoft.com/windowsmobile>.
- If, during the **ActiveSync** installation, you inadvertently selected the **Microsoft Exchange Server** option check box and are not planning to connect to an Exchange Server, follow these steps:
 - Connect your HP iPAQ to your computer. Make sure an **ActiveSync** connection is established.
 - On your computer, click **Start > Applications > Microsoft ActiveSync**.
 - Click **Tools > Options**.
 - Clear the boxes for the sync items listed under the **Server group**.
 - Select the check boxes under the **Computer group** for those items to synchronize.
- Disconnect your HP iPAQ from your computer and wait for the **ActiveSync** message confirming that your device is no longer connected. Reconnect your HP iPAQ to your computer. Wait to see if your HP iPAQ connects to your computer.
- On your computer, in **ActiveSync**, select **File > Connection Settings**. Confirm that USB is selected as a potential connection method.
- Connect your HP iPAQ to a different USB port on your computer.
- Check your Micro-USB synchronization cable.
- Try synchronizing through a Bluetooth connection.
- Unplug your HP iPAQ from your computer, and then re-connect.
- Uninstall **ActiveSync** from your computer, and then reinstall it. To uninstall **ActiveSync** from your computer, click **Start > Control Panel > Add or Remove Programs > Microsoft ActiveSync**. Next, click **Remove > Yes**.

Reinstall your programs on your HP iPAQ after the hard reset is complete by using ActiveSync on your computer. After your HP iPAQ is synchronized correctly, go to **ActiveSync** on your computer, select **Tools > Add/Remove Programs**, and then select any programs to reinstall.

Customized links in WMDC

Set up your device to synchronize the Outlook contacts, e-mail, and other information on your device, or just connect the device by skipping the setup process.

After the device is connected to your computer, the following links are displayed on your computer:

- **Programs and Services**
- **Pictures, Music, and Video**
- **File Management**
- **Mobile Device Settings**

To view a list of customized links, navigate to **Programs and Services**. Click **more>>** to view additional links for the various HP services and click **<<back** to go back to the previous screen.

15 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.


ArcSoft Streaming Player

Use the ArcSoft Streaming Player to access music and video files on your HP iPAQ. In addition to viewing video files stored on your HP iPAQ, you can also access and select streaming files from the internet browser, and the streaming player will automatically open and play the file.

When you access a file from the Internet, you need to download the entire file to your device and then view it. With streaming, you can watch the video or listen to the audio while it is being downloaded.

To play a streamed file from the Internet:

1. Press **Start > Media > Streaming Player**.
2. Press **Menu > Open**.
3. Enter the Web site including the name of the file to be streamed in **Enter URL**.

 **NOTE:** You need to specify the entire Web site including the file name and the extension to open and play the media file in the browser.

4. Press **Connect**.

To close the player:


- ▲ Press **Menu > Exit**.


Global Positioning System (GPS)

Use GPS

Use your HP iPAQ to connect to GPS satellites and determine your exact location. You can also download maps from the Internet.

Your HP iPAQ is capable of providing turn-by-turn navigation instructions. Use the navigation software available for your country/region. Please refer to the detailed instructions from the navigation software vendor on how to use the navigation program, as it varies from country/region.

 **NOTE:** You will have to purchase a turn-by-turn navigation solution software separately.

 **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 intend to use GPS navigation in your vehicle for an extended period of time, charge your HP iPAQ using an auto adapter to ensure continuous and smooth operation.

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.
Cell Phones or other 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 the interference source so there is a clear view of the sky.

Use GPS Connection Utility

Use the GPS navigation software on your HP iPAQ to track your initial position, to retrieve information from GPS satellites, and to navigate. Third-party GPS solutions might take some time to get a fix on your initial position. Use the **GPS Connection Utility** to reduce the time to first fix (TTFF). The **GPS Connection Utility** downloads information from the Internet and stores this information on your HP iPAQ. The GPS navigation software can use this information to track your initial position quickly.

 **NOTE:** The **GPS Connection Utility** downloads new data if the last downloaded data has expired. The expiration time on the data is set to 24 hours.

Be aware that enabling the **Connection Utility** might involve additional data connection charges.

To enable the **GPS Connection Utility**:


1. Press **Start > Settings > Connections > GPS Connection Utility**.
2. Select the **Automatic Update** check box.

To disable the **GPS Connection Utility**:

1. Press **Start > Settings > Connections > GPS Connection Utility**.
2. Clear the **Automatic Update** check box.

Google Maps™ for mobile

Google Maps™ for mobile offers street maps, a route planner, and business locator.

 **NOTE:** Your mobile service providers might charge data-service rates for downloading and using the program if you have a limited data plan or no data plan.

This application is not available on all models.

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

- **Real-time traffic** - Identify the location where congestion exists and estimate delays.
- **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** - Zoom in or out on maps. Move in all directions to orient yourself visually.
- **Satellite imagery** - Get a bird's-eye view of your desired location.

To launch Google Maps™ for mobile:

▲ Press **Start > Google Maps**.


To navigate Google Maps™ for mobile:

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

 **NOTE:** The **My Location** feature enables you to find your current location on a map by pressing **0** on your HP iPAQ. You can use this feature even when GPS is turned off.

Google Search

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

 **NOTE:** This application is not available on all models.

Launch Google Search

To launch Google Search:

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

HP Help and Support

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

To access **HP Help and Support**:

▲ Press **Start > HP Help and Support**.

HP Asset Viewer

Use the **HP Asset Viewer** program to view information about the system, integrated modules, and attached accessories.

To access HP Asset Viewer:

1. Press **Start > HP Help and Support > HP Asset Viewer**.
2. Select the following topics to view additional system information:
 - **Identity** - displays the HP iPAQ serial number and the user information.
 - **Memory** - 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.

- **Version** - displays the product revision level, ROM date, ROM revision, OS version, BootLoader version, and execute in place (XIP) version.
- **Display** - displays settings, such as screen color, horizontal pixels, vertical pixels, color depth, display type, and panel ID.
- **System** - displays information about the manufacturer, product ID, model ID, processor type, processor revision, language, country ID, and UUID (Universally Unique Identifier).
- **Bluetooth** - displays information about available radio, firmware version, hardware revision, driver version, software version, and MAC address.
- **Camera** - displays camera details, such as the module installed, hardware revision, hardware and software driver versions, camera API interface version, and camera information.
- **Wi-Fi** - displays information about the hardware revision, driver version, software version, IP address, and MAC address, available radio, firmware version.
- **GSM** - displays information about the available radio, radio firmware version, and IMEI number.
- **Keyboard** - displays information about the module present, firmware version, hardware version and driver version and software version.
- **GPS** - displays information about the GPS status, manufacturer, revisions level, driver version, firmware version and software version.


Getting Started

Use the **Getting Started** program to learn how to perform frequently used tasks and to set up your HP iPAQ. To launch the program, select **Getting Started** on the **Home** screen or press **Start > HP Help and Support > Getting Started**. Select the task that you want to learn about.



Customer Support

Customer Support displays help topics and locations where you can find more information.

HP Enterprise Mobility Suite

Use the **HP Enterprise Mobility Suite**  to configure and manage your HP iPAQ remotely.

The **HP Enterprise Mobility Suite** is not available in all countries/regions.

 **NOTE:**  **HP Enterprise Mobility Suite** is activated remotely by a licensed HP Enterprise Mobility server, which is sold separately. To download the **HP Enterprise Mobility Suite**, press **Start > Applications > Accessories > HP EMS**. Go to <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 and remove programs, lock and unlock the device, and clean the information on the device if it is lost or stolen.

HP iPAQ DataConnect

The first time you use your SIM Card, the **HP iPAQ DataConnect** program automatically detects the phone network and operator, and configures GPRS/EDGE settings. Although automatic detection is the recommended method, you can also configure the data settings manually.

To configure the data settings manually:

▲ Press **Start > Applications > Accessories > HP iPAQ DataConnect**.

△ **CAUTION:** Do not edit network parameters unless you are being assisted by your mobile phone service provider.

HP iPAQ Key Guard

The **Key Guard** program deactivates your HP iPAQ keys to prevent accidental activation of the HP iPAQ or any of its functions. When the display turns off, **Key Guard** is activated and you can confidently place the device in your pocket or bag. To lock your HP iPAQ, press the **Key Guard** button, the first button on the left panel of your HP iPAQ. Press the **Center** button to unlock your HP iPAQ. For more information, see [Use Key Guard on page 22](#).

Internet Explorer®

Launch the **Internet Explorer** by pressing **Start > Internet Explorer**.

Use **Internet Explorer** to view and download Web pages as well as, browse Web sites through synchronization, and when connected to the Internet.

To open a link using the favorite:

1. Press **Start > Internet Explorer**.
2. Select **Favorites** and select the required link.
3. Press **Menu > Favorites...** to see the list all your favorite sites and then press **Menu > Add To Favorites** to add a new URL to your favorites list.


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 Microsoft ActiveSync (or WMDC for Windows Vista) on your computer. Before you begin using **Internet Sharing**, make sure you have a cellular connection. If you do not have an active connection, you cannot use the **Internet Sharing** program.

To connect to a computer using a USB data connection

You might need to install Microsoft ActiveSync (or WMDC for Windows Vista) on your computer before connecting. If your computer has automatically added your HP iPAQ as a new modem, skip the following steps:

1. Connect your HP iPAQ to the computer using the Micro-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. Otherwise 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 for and download the USB driver file.

5. Click **Finish**.
6. After the driver is installed, **Smartphone USB Modem** is added to the device list in the Device Manager.

After the setup is completed, you can access the Internet.

To connect to a computer using Bluetooth data connection

Follow the instructions in your synchronization software helps to configure Bluetooth on your computer.

To set up a Bluetooth modem connection:

1. Make sure that your HP iPAQ is disconnected from your computer.
2. Press **Start > Applications > Internet Sharing**.
3. Select **Bluetooth PAN** from the **PC Connection** list.
4. In the **Network Connection** list, select the type of GPRS connection to use.
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.


Java Virtual Machine

Use the Java Virtual Machine to install and use Java applications on your HP iPAQ. You can download the installers, saved as .jar files, from the Internet to your computer and then transfer the files to your HP iPAQ. You can also 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. Press **Start > Applications > SUN Java**.
3. Press **Menu > Install > Install from Local**.
4. Select the .jar file.
5. Press **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/HSPA connection for some software to perform some actions with you management. To configure the Internet connection, press **Menu > Network Options**, and then select the GPRS connection to use. Although the connection that appears might be iPAQ GPRS, the data connection might be GPRS, 3G, or HSPA. You should only download and install content from trusted Web sites and the content that is compatible with your HP iPAQ.

To...	Do This...
Open a program	Select the program or press Menu > Operation > Launch .
Remove a program	Press Menu > Operation > Delete .
Update a program	Press Menu > Operation > Update .
Move a program to a folder	Press Menu > Operation > Move .


To...	Do This...
Change a program's name	Press Menu > Operation > Rename .
Activate a program	Press Menu > Operation > Activate .
View details about a program	Press Menu > Operation > Information .
Set GPRS permissions for a program	Press Menu > Operation > Set Permissions .

Jetcet PDF

View a Portable Document File (a file with a name that ends with the .pdf extension) on your HP iPAQ.


To view a .pdf file:

1. Press **Start** > **Applications** > **JETCET PDF 5**.
2. Press **Open**.
3. Select a folder from the **Folder** list.
4. Select the file from the list.

 **TIP:** Use the **5-way optical navigation** button to scroll through the files. To view a file opened recently, press **Menu** > **Recent Files** and then select the file.

To set the zoom level:

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

 **TIP:** Press **Menu** > **Custom**, and then select a custom zoom level.

Jetcet Print

Use Jetcet Print to print information from your HP iPAQ to a compatible printer using Bluetooth and USB. You can print .doc, .xls, .jpg, .bmp, and .html files, and manage your print jobs.

To configure a printer using Bluetooth:


1. Press **Start** > **Applications** > **JETCET PRINT 5**.
2. Select **Add Bluetooth Printer**.
3. Select **Select to search...**
4. Select the printer and press **Next**.
5. Configure the required settings and press **Done**.

Make sure that Bluetooth is on before configuring a Bluetooth printer. To turn on Bluetooth using **Wireless Manager**, see [Use Wireless Manager on page 67](#)

To print using Jetcet print:

1. Press **Start** > **Applications** > **JETCET PRINT 5**.
2. Press **Menu** > **Go to**.

3. Select the file type to print:
 - **Documents** - Print documents stored on your HP iPAQ or the storage card.
 - **Pictures** - Print pictures stored on your HP iPAQ or the storage card.
 - **Messages** - Print messages received on your HP iPAQ.
4. Select the file to print and press **Print**.

 **NOTE:** To print the complete e-mail message, download the full message on your HP iPAQ.

To update the drivers and change the spool folder:

1. Press **Start > Applications > JETCET PRINT 5**.
2. Press **Menu > Options**.
3. Select **Update Drivers** to update the drivers on your HP iPAQ and **Spool Folder** to change the location of the spool folder.


MSN Messenger

Send and receive instant messages using MSN Messenger. For more information see [Windows Live™ on page 101](#).

Office Mobile applications

Word® Mobile

View and edit documents and templates in **Word Mobile**.

 **TIP:** It is recommended to always store a blank document on your HP iPAQ. You can edit the document and save it with a different name.

Use Word Mobile to:

- Edit Word documents and templates.
- Open and edit Pocket Word (*.psw) documents.


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

When you press **Menu**, the following options are available:

- View and 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 through e-mail or Bluetooth.

Excel® Mobile

Use **Excel Mobile** to view and edit workbooks and templates on your HP iPAQ.

 **TIP:** It is recommended to always store a blank workbook on your HP iPAQ. You can edit the document and save it with a different name.

Use Excel Mobile to:

- View, and edit, 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 a subset of information.
- 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 the row and column labels or other data visible as you scroll through a sheet.

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

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


- Paste cells using **Paste Special...**
- Clear the cell contents and the formats applied to cells.
- Insert new cells, charts, symbols, and functions, and define names in a workbook.
- Set dimensions for the rows and columns.
- Align cells, set the font and style for the text, and set the 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 view slide show presentations.

Use PowerPoint Mobile to:

- 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 using a storage card.
- View a slide show of pictures stored on the storage card.

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

The following PowerPoint features are not supported on your HP iPAQ:

- Notes written for slides are not visible.
- **PowerPoint Mobile** is a viewer-only program and cannot be used to rearrange or edit slides.

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

These options are available when you press **Menu**:

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

OneNote® Mobile

Create and edit notes on your HP iPAQ using OneNote Mobile.

Use OneNote Mobile to:

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

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

When you press **Menu**, the following options are available:

- 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 into a note.
- Insert pictures from the camera or from the device.
- Insert a voice recording in a note.

Pictures & Videos

Use the Pictures & Video application to:

- View pictures and videos stored on your HP iPAQ or a storage card.
- View a slideshow.
- Send pictures and videos using MMS, e-mail attachments, or Bluetooth.
- Associate a picture with a contact.
- Assign a picture to the **Home** screen background.
- Upload an image to **HP Snapfish Upload** through e-mail.

View the pictures stored on your HP iPAQ or on a storage card

You can view photos stored on your HP iPAQ or on an external storage card using the Pictures & Video application.

To view photos:

- ▲ Press **Start > Media > Pictures & Videos**.

Use your HP iPAQ **File Settings** to resize pictures for e-mail and to optimize them for slideshow viewing.

1. Press **Start > Media > Pictures & Videos**.
2. Press **Menu > Options** to change the following settings:
 - a. **General**
 - The general settings can be changed to:
 - Large (640 X 480) (default)
 - Medium (320 X 240)
 - Small (160 X 120)
 - Original
 - The orientation of the pictures can be changed to:
 - Left
 - Right
 - b. **Slide Show**
 - The Slide Show settings can be changed to:
 - Landscape pictures
 - Portrait pictures
 - Select the **Play Screensaver when connected to my PC and idle for 2 minutes** check box to make your computer screensaver your HP iPAQ screensaver.

View a slideshow

To view a slideshow:

1. Press **Start > Media > Pictures & Videos**.
2. Press **Menu > Play Slideshow**.

E-mail pictures



NOTE: Configure your e-mail messaging account before sending pictures through e-mail.

To send pictures through e-mail:

1. Press **Start > Media > Pictures & Videos**.
2. Choose the picture to send.
3. Press **Menu > Send**.
4. Select the e-mail account to send the picture to.
5. Enter the recipient's e-mail address, and the subject, and enter your message, and then press **Send**.

Associate a contact with a picture

To associate a contact with a picture:

1. Press **Start > Media > Pictures & Videos**.
2. Select the picture that you want to associate with a contact.
3. Press **Menu > Save to Contact...**
4. Select the contact that you want to associate the picture with.

Assign a picture to the Home screen background

To assign a picture to the **Home** screen background:


1. Press **Start > Media > Pictures & Videos**.
2. Select the picture that you want to set as the **Home** screen background, and then press **View**.
3. Press **Menu > Use as Home Screen**.

HP Snapfish Upload

HP Snapfish is a free online photo-sharing service. In addition to sharing photos with your family and friends, you can also order for prints online using HP Snapfish. The **HP Snapfish Upload** feature enables you to upload JPEG images from your HP iPAQ to your **Snapfish** account. This requires an active Internet connection.

To upload the images:

1. Press **Start > Media > Pictures & Videos**.
2. Select the picture to send.
3. Press **Menu > HP Snapfish Upload**.
4. Enter the **email address** and the **password** in the respective text boxes.
5. Press **Send**.

 **NOTE:** Use your existing **Snapfish** account to upload images to **Snapfish**. If the e-mail account or the password is incorrect, the login fails and you return to the login screen.

If you do not have a **Snapfish** account, you can go to <http://www.snapfish.com/> using your HP iPAQ and sign up for an account.


HP Enhance Document

Use the document enhancement feature to process an image of a whiteboard, printed document, business card, magazine, or newspaper, to produce scanner-like results.

To use the document enhancement feature:

1. Press **Start > Media > Pictures & Videos**.
2. Select the picture to enhance.
3. Press **Menu > HP Enhance Document**.

4. 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.
5. To view the picture in color, select **Color**. To view the picture in black and white, select **Grayscale**.
6. Press **Start** to begin document processing.

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

Switch to the camera

You can switch to the camera application from the **Pictures & Videos**.

To switch to the camera:

1. Press **Start > Media > Pictures & Videos**.
2. Select **Camera**.

Video support

You can play videos using the Pictures & Video.


To play videos:

1. Press **Start > Media > Pictures & Videos**.
2. Select the video thumbnail to view.
3. **Menu > Play**.

Remote Desktop Mobile

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

To connect to a Terminal Server:

1. Press **Start > Applications > Accessories > Remote Desktop**.
2. In the **Computer** box, enter a Terminal Server name or TCP/IP address.
3. Enter your user name, password, and domain.
4. Press **Connect**.
5. Enter your password in the password box on your HP iPAQ, and then press  (enter key) on your HP iPAQ.

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

To disconnect **Remote Desktop**, press **Disconnect**.

To change the **Remote Desktop** settings.

- ▲ On the **Remote Desktop Mobile** screen, press **Menu > Options** to change the following settings:
 - **Display** - To set the color options, **256 Colors** or **High Color (16 bit)**, and to view the display either in the full-screen mode or you can choose to fit the remote desktop to your HP iPAQ screen.
 - **Device Storage** - To enable or disable mapping the data of your HP iPAQ on the remote computer.
 - **Remote desktop sound** - To select if the sound is to be muted or played on the remote computer, or on your HP iPAQ.

SIM Manager

Access and manage contact details stored on your SIM or USIM (3G SIM) card using the SIM Manager. Copy contacts from the phone to the SIM/USIM or from the SIM/USIM to the phone.

To open the SIM Manager, press **Start > Applications > Accessories > SIM Manager**.

- To create a new contact, press **New**.
- To view contact details, highlight the contact and press the **Center** button.
- To edit contact details, select the contact, and then press **Options > Edit**.
- To delete a contact, select the contact, press **Options > Delete > Delete Contact**, and then press **Delete**.
- To delete multiple contacts, press **Options > Delete > Delete Multiple**, select the contacts to delete, and then press **Delete**.
- To copy a contact to the phone, select the contact, and then press **Options > Copy to Contacts > Copy Contact**.
- To copy multiple contacts to the phone, press **Options > Copy to Contacts > Copy Multiple**, select the contacts to copy, and then press **Copy**.
- To copy contacts from the phone to the SIM, press **Options > Copy Contacts to SIM**.
- To call a contact, select the contact and press **Options > Dial Selected**. If more than one number exists for a contact, select the required number and press **Options > Dial Selected**.
- To send a message to a contact, select the contact and press **Options > New Message**.
- To view your personal mobile number on the SIM/USIM, press **Options > My Mobile numbers**.
- To view SIM/USIM information, press **Options > SIM Information**.
- To set SIM/USIM security, press **Options > SIM Security**.
- To look for **Contacts** use the **SIM Manager's** search functionality.
- To close SIM Manager, press **Options > Quit**.

Manage certificates

To manage certificates:

- ▲ Press **Start > Settings > Security > Certificates**.

In **Certificates**, you can access the following types of certificates:

- **Personal**
- **Intermediate**
- **Root**

Task Manager


Use the **Task Manager** to view and manage the tasks running on your HP iPAQ. You can also view the memory and the CPU use.


To view the **Task Manager**:

▲ Press **Start > Applications > Accessories > Task Manager**.

You can perform the actions described in the table below to manage the memory and resources of your HP iPAQ.


To...	Do This...
Close an application	Select the application, and then press End Task . NOTE: You cannot end running processes.
Open an application that is running	Select the application, and then press Menu > Switch To .
Close all open applications	Select the application, and then press Menu > End All Tasks .
View all running applications	Select the application, and then press Menu > View > Applications .
View all running processes	Select the application, and then press Menu > View > Processes .
Change the sorting order	Press Menu > Sort By , and then select the required field.
Refresh the list	Press Menu > Refresh .
Close the Task Manager	Press Menu > Exit .

 **NOTE:** All running applications may not be visible on the screen. Some programs might be running in the background and consuming processor speed and memory space.

 **TIP:** If your HP iPAQ appears sluggish or slow, check the task manager and close the applications that are not in use.

Voice Commander

Use the **Voice Commander** application to look up contacts, dial a contact by name, dial using the contact number up to 18 digits including the '+' sign, get calendar information, play and control your music, as well as launch applications on your HP iPAQ.

 **TIP:** You can access the **Voice Commander** application by pressing the Voice Commander button, third button on the left panel, or by pressing **Start > Applications > Voice Commander**.

To	Say
Call a contact saved in the contact list	Call followed by the name of the contact and home/work/mobile
Call the last number dialed	Redial/Callback
Dial a number using speed dial	Speed Dial followed by the digit assigned to the number
Dial a number	Digit Dial followed by the number to dial
Dial an international number	Digit Dial followed by plus (+) and the international number to dial
Compose a message, e-mail, or audio e-mail	Compose <SMS/e-mail/audio e-mail> To (Contact)
Read messages or e-mails	Read <SMS/e-mail>
Check voice mail or call history	Call Voice mail/ Call history
View appointments	<Today's/Tomorrow's/This Week's> appointments to list the appointments for the day, next day, or the present week
Schedule a call	Schedule A Call To (Contact) to call a contact
Create reminders or to record an audio note	Reminder / Start recording
Find a contact saved in the contact list	Find followed by the name of the contact
View the current time	What time is it?
Open an application	Start followed by the application name
Play, pause, and resume music	Play Music/Pause/Resume
Play an existing music file	Play followed by the name of the music file
Play the previous or the next song in the playlist	Previous/Next
View the different set of commands	What can I say?
Close the Voice Commander	Goodbye

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 that of the Windows Live™ on your computer.

Use the Windows Live™ feature to:

- 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.

Press **Start > Applications > 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 to Windows Live™:

1. Press **Start > Applications > Windows Live**.
2. Select **Sign in to Windows Live**.
3. Press **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. Press **Next** twice.
8. Select the **Sync e-mail** check box.
9. Press **Next**.

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

To search information:

1. From the **Home** screen, select **Live Search**.
2. Enter the text for the search.
3. Press **⏎** (enter key) on your HP iPAQ keyboard.

To check your e-mails:

1. Press **Start > Applications > Windows Live**.
2. On the **Windows Live** screen, select **Hotmail**.
3. Select the e-mail message to open your Inbox.

To sign in to Messenger:

1. Press **Start > Applications > Windows Live**.
2. On the **Windows Live** screen, select **Sign in**.
3. Use the list to select your online status.
4. Select **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 device is turned off or moves out of range.

To sign out of Messenger:


- ▲ Press **Menu > Sign out**.

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

1. Select the person to send an instant message to.
2. Enter your message, and then press **Send**.

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

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

 **NOTE:** Press **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 pressing **Menu > Options > View participants**.

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


1. Select your name in the contact list.
2. Press **Menu > Change status**, and then select the required status.

To sign in as a different user:

1. **Start > Applications > Windows Live.**
2. Select your display name.
3. Press **Menu > Account Options > Switch Windows Live ID.**
4. Press **Yes**.
5. Proceed with the setup wizard to sign in.

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.

 **NOTE:** Listening to personal stereo equipment at full volume for long periods can damage hearing. To reduce the risk of hearing loss, do not spend much time listening to personal stereo equipment at full volume. HP recommends use of the HP iPAQ Wired Stereo Headset, part number 486112-001, which is included with your HP iPAQ.

Press **Start > Media > Windows Media** to open the **Windows Media Player** application.

To play music from the storage card, press **Start > Media > Windows Media > Menu > Library**.

To access **Windows Media Player** from the **Home** screen, press **Start > Settings > Home Screen > Sliding Panel Media**.

 **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.

Clear the Now Playing List

- ▲ Press **Start > Media > Windows Media**, and then select **Now Playing**.

The **Now Playing** playlist displays the file that is currently playing 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, press **Menu > Clear Now Playing**.

Update the 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 to a removable storage card.


To update a library:

1. If you are not already on the **Library** screen, press **Menu > Library...**
2. On the **Library** screen, press **Menu > Update Library**.
3. Wait for the files to be added, and then press **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 button, or press **Start > Applications > Voice Commander**.
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 **Start > Applications > Voice Commander** and say **Pause/Resume Music** to pause or resume the media file.


Windows Update

Microsoft releases updates and patches for Windows Mobile. These updates and patches improve the security and functioning of your HP iPAQ. You can use the Windows Update application to download them from the Internet and install them on your HP iPAQ.

 **NOTE:** The application uses your GPS connection and your service provider might charge you for using this service.

To set up Windows Update:

1. Press **Start > Settings > Windows Update**.
2. Follow the on-screen instructions.
3. Press **Finish**.

 **NOTE:** You can access and change the settings selected from **Menu > Change Schedule**.


To check for updates:

1. Press **Start > Settings > Windows Update**.
2. Press **Check Now**.

16 Product specifications

Mentioned here are the technical specifications, applicable environment and climatic conditions, and the physical dimensions of your HP iPAQ.

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, press **Start > Settings > About**.

System Feature	Description
Processor	Qualcomm MSM7201A ARM11-528MHz
Operating System	Windows Mobile 6.1 Standard
Memory	256MB NAND FLASH / 128 DDR SDRAM NOTE: Actual available memory might vary.
External Power	AC/DC USB Wall Adapter, input: 100-240VAC, 47-63Hz, output: 5VDC, 1A
Display	2.4" TFT 240x320 QVGA
SD Slot	microSD Card
Headphone Jack	2.5 mm stereo headphone with microphone
Supported networks	Quad-Band GSM/GPRS/EDGE (850/900/1800/1900MHz) Tri-band UMTS (900/1900/2100MHz) HSDPA 7.2Mbps/ HSUPA 2.0Mbps
Antenna	Internal Penta Band (850/900/1800/1900/2100).
GPS	Integrated support for XTRA, SUPL and standalone accessories
Battery	1260mAh Lithium Polymer
Bluetooth	Bluetooth 2.0 + EDR
Wi-Fi	IEEE 802.11b/g
Camera	<ul style="list-style-type: none">• 3.1 Megapixel• Auto-focus 5x digital zoom

Physical specifications

	Metric	U.S.
Length	114 mm	4.45 inches
Width	50 mm	2.0 inches

	Metric	U.S.
Depth	13.6 mm	0.55 inches
Weight	<ul style="list-style-type: none"> • With battery: 105g • Without battery: 80g 	<ul style="list-style-type: none"> • With battery: 3.7oz • Without battery: 2.82oz

Operating environment

		Metric	U.S.
Temperature	Operating	-10° to 55° C	14° to 131°F
	Non-operating	-40° to 70°C	-40° to 158°F
Relative Humidity	Operating	90%RH	90%RH
	Non-operating	35%RH	35%RH

17 Guidelines for care and maintenance

It is recommended that you follow certain guidelines to maintain your HP iPAQ in a good condition and protect 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 in advance.
- 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 Micro-USB port of your HP iPAQ. This can short-circuit the battery and could result in injury.

Clean 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.

Carry or store 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.
- To prevent breaking the display screen, do not carry your HP iPAQ in the back pocket.

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 about accessories for your HP iPAQ, go to <http://www.hp.com>, and then click **Home and Home office > Handhelds & Calculators > iPAQ accessories**.

18 Frequently asked questions

Following is a list of issues and resolutions that users face when using their HP iPAQ's. It is recommended that you go through this list before calling customer support or sending your device for replacement.

Battery

Question	Answer
I am having trouble turning on my HP iPAQ. What should I do?	<p data-bbox="855 648 1441 699">The battery of your HP iPAQ seems to have problems. Perform the following checks:</p> <ul data-bbox="855 722 1441 1142" style="list-style-type: none"><li data-bbox="855 722 1441 825">• 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.<li data-bbox="855 848 1441 972">• Is the battery correctly installed? Make sure that the battery connectors on the battery are aligned with the housing pins in the battery compartment. For more information, see Step 2: Insert the battery and replace the battery cover on page 8.<li data-bbox="855 995 1441 1077">• 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.<li data-bbox="855 1100 1441 1142">• Try charging your battery using the AC adapter. For more information, see Step 3: Charge the battery on page 9.

Question	Answer
How can I improve the standby time and talk time on my HP iPAQ?	<p data-bbox="879 226 1465 279">Follow these guidelines to improve the standby and talk times on your HP iPAQ:</p> <ul data-bbox="879 300 1465 951" style="list-style-type: none"><li data-bbox="879 300 1465 373">• 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.<li data-bbox="879 394 1465 499">• If you are 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.<li data-bbox="879 520 1465 646">• 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.<li data-bbox="879 667 1465 741">• Do not overcharge or completely discharge the battery, as it might damage the battery and reduce the standby and talk time.<li data-bbox="879 762 1465 793">• If your battery is very old, replace it with a new one.<li data-bbox="879 814 1465 951">• 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 106.
I have trouble charging my battery. What should I do?	<p data-bbox="879 972 1465 1024">If you have trouble charging your battery, please perform the following checks:</p> <ul data-bbox="879 1045 1465 1396" style="list-style-type: none"><li data-bbox="879 1045 1465 1150">• Is the battery charger correctly plugged into the battery charger socket on the HP iPAQ? To know more about charging the battery, see Step 3: Charge the battery on page 9.<li data-bbox="879 1171 1465 1203">• Is the power cord of the charger damaged?<li data-bbox="879 1224 1465 1297">• Check the LED indicator on your HP iPAQ. If the battery is low and the HP iPAQ is being charged the LED displays solid red.<li data-bbox="879 1318 1465 1396">• Check the LED indicator on your HP iPAQ. If the battery temperature is too high or too low the LED displays solid orange to indicate a device error.

Connection

Question	Answer
I cannot make or receive calls. How do I fix this?	<p>If you have problems making or receiving calls, please perform the following checks:</p> <ul style="list-style-type: none">• Is the SIM card inserted correctly? For more information, see Step 1: Remove the battery cover and insert the SIM card on page 7.• 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 the connection and signal strength on page 18.• Is the network set up correctly? If necessary, try to select your network manually. For more information, see View the available phone networks on page 35.• 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 Use the SIM PIN to protect information on your HP iPAQ on page 24.• Is your HP iPAQ switched to the Flight mode? If yes, turn it off. For more information, see Use Wireless Manager on page 67.
Why do my calls keep disconnecting?	<p>This could be a result of poor signal strength. If you have this problem, please check the following:</p> <ul style="list-style-type: none">• 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 the connection and signal strength on page 18.• Try to select your network manually. For more information, see View the available phone networks on page 35.• Contact your service operator to make sure that the network has been set correctly and that necessary provisioning of services is available.
I am unable to hear calls clearly. How do I resolve this?	<p>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 the connection and signal strength on page 18.</p> <p>If you cannot hear the voices clearly, the volume might be set to low. Increase the volume.</p>
When I answer calls on my HP iPAQ, the caller cannot hear my voice clearly. What could be the problem?	<p>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 the connection and signal strength on page 18.</p> <p>During a call, if the caller cannot hear your voice clearly, make sure you have turned off the in-call mute function.</p>

Question	Answer
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.
I cannot send an SMS or MMS. What do I do?	<p>If you have problem sending an SMS or MMS, perform the following checks:</p> <ul style="list-style-type: none"> • 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, press Start > Settings > About. • Is the service provider plan that you are using a data plan? Check with your service provider for a data plan. • 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 the connection and signal strength on page 18. • Try to select your network manually. For more information, see View the available phone networks on page 35. • Contact your service operator, to check if the network has been set properly and necessary provisioning of services is available.
Which factors degrade the GPS signal and affect accuracy?	<p>The GPS signal slows down under these situations:</p> <ul style="list-style-type: none"> • It reflects off objects such as tall buildings or large rock surfaces before reaching the receiver. Performance is impacted when the device is used inside vehicles having thermal glass windshields. The thermally shielded glass blocks the GPS signal from reaching the device. • You are indoors or underground. • You are running multiple applications while connecting.
I have trouble connecting to the Internet using GPRS. What should I do?	<p>If you have trouble connecting to the Internet, please perform the following checks:</p> <ul style="list-style-type: none"> • 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 the connection and signal strength on page 18. • 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 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.

Synchronization

Question	Answer
I cannot synchronize my HP iPAQ with my computer. What should I do?	<p>To use the ActiveSync feature with Windows XP, upgrade your computer to the latest version of ActiveSync. It is recommended to use ActiveSync V4.5 or later.</p> <p>To use the WMDC feature with Windows Vista, upgrade your computer to the latest version of WMDC. It is recommended to use WMDC V6.1 or later.</p> <p>Visit http://www.microsoft.com/downloads for the latest versions.</p>
My HP iPAQ was connected while I was installing WMDC. Why does WMDC not launch even after installation?	In some cases after an upgrade, you will need to disconnect and reconnect the device 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 Micro-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.

Miscellaneous

Question	Answer
My HP iPAQ becomes very warm 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. Your HP iPAQ might also get a little warm during recharging.
Why does the HP iPAQ sometimes seem sluggish?	<p>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, press Start > Settings > About.</p> <ul style="list-style-type: none">Remember to delete or transfer old e-mail messages and pictures on your HP iPAQ to free available memory space.If you have many programs running on your HP iPAQ, close some programs to free memory. Check task manager to close any open applications which are not-in-use. For more information, see Access programs on page 17.

19 Optional accessories

Accessories such as extended batteries, protective cases, and car cradles are stylish to use and increases the comfort value of your HP iPAQ. You can also purchase optional accessories if you accidentally misplace or damage the one provided to you with your HP iPAQ. For additional information, please go to <http://www.hp.com>.


Accessory	Description
Power and Synchronization	
HP iPAQ Voice Messenger Extended Battery	<ul style="list-style-type: none">• Always have a spare battery and you will never be without power while on the go.• This extended battery provides additional power to extend the life of your iPAQ between charges.• This replaceable, rechargeable Lithium polymer battery is a genuine HP product you can trust.
HP iPAQ Voice Messenger Standard Battery	<ul style="list-style-type: none">• Always have a spare battery and you will never be without power while on the go.• This replaceable, rechargeable Lithium polymer battery is a genuine HP product you can trust.
HP iPAQ Sync/Charge Cable Micro-USB	<ul style="list-style-type: none">• Keep your iPAQ charged and up-to-date when on the go.• Portable solution for charging and synchronizing your iPAQ with your computer.
Audio	
HP iPAQ Wired Stereo Headset-2.5 mm ¹	<ul style="list-style-type: none">• Listen to calls in private or enjoy music or video from your iPAQ.• High-fidelity sound for your iPAQ music and videos.
In-car accessories	
HP iPAQ Voice Messenger Comfort Cradle	<ul style="list-style-type: none">• Elegant solution that holds and charges your iPAQ in your car.• Form fitting cradle securely holds your iPAQ in your car.• Easy out of the box installation with included suction mount.• Enhances phone reception in your car with an included RF antenna.

¹ Listening to personal stereo equipment at full volume for long periods can damage the user's hearing. In order to reduce the risk of damage to hearing, lower the volume and amount of time listening at full volume.

20 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.

21 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.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID: B94HHF20C.

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>.

Battery Warning

- ⚠ **WARNING!** This HP iPAQ contains a lithium polymer 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.



Chemical substances

HP is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (Regulation EC No 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at: <http://www.hp.com/go/reach>.

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 علبة 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 وأن التخلص منها، إلى مساعدتك في المحافظة على الموارد الطبيعية وبضمن 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 zdraví 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 brugte udstyr hos brugere i private hjem i EU



Dette symbol på produktet eller på emballagen angiver, at dette produkt ikke må bortkaffes sammen med det øvrige husholdningsaffald. I stedet er det dit ansvar at bortkaffe 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 ringlussevõtmise toimub viisil, mis kaitseb inimeste tervist ning keskkonda. Lisateabe saamiseks selle kohta, kuhu oma seadmete jäätmed ringlussevõtmiseks viia, võtke palun ühendust oma kohaliku linnakantsleli, 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 kotitalousjätteiden 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.

Απορριψη 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 selejtezési 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 vállalatától, illetve a terméket elárúsító helyen kaphat.

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



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



parduotuvę, 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

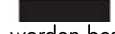
Nolietotu iekartu iznīcināšanas noteikumi lietotājiem Eiropas Savienības privātajās mājāsniecībās



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



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

Eliminering av utstyr i privathusholdningen i Den europeiske unions medlemsland



kjøpte produktet.

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



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 recyklingu, należy się skontaktować z urzędem miasta, zakładem gospodarki odpadami

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



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 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.

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.

Odstranjanje neodslužene opreme uporabnikov v zasebnih gospodinjstvih v Evropski uniji



Ta znak na izdelku ali njegovi embalaži pomeni, da izdelka ne smete odvreči med gospodinjske odpadke. Nasprotno, odsluženo opremo morate predati na zbirališče, pooblaščen 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. Povinnosť'ou 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 zastupiteľ'stvo, 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 Úrünün 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. Additionally, please seek advice from your physician about the potential effects of RF interference from your HP iPAQ upon the medical device you are using. 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 2.0 W/kg*. 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 1.27 W/kg.

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 highest non-FCC SAR value for this device when tested for use at the body is 1.17 W/kg.

* The non-FCC SAR limit for mobile devices used by the public is 2.0 Watts/Kilogram (W/kg) 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.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone 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 level of the phone while operating can be well below the maximum value. This is because the phone 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 wireless base station antenna, the lower the power output.

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 1.5 cm spacing between HP iPAQ and the body must be maintained to satisfy RF Exposure.

This device 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 1.22 W/kg and when tested for use at the body is 1.09 W/kg. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

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.

Thailand Wireless Notice

เครื่องโทรคมนาคมและอุปกรณ์นี้ มีความสอดคล้องตามข้อกำหนดของ กทช.

Wireless LAN 802.11b Devices



Wireless LAN 802.11g Devices



Bluetooth Devices



22 Quick reference

Acronyms



Acronym	Expansion
3G	Third Generation
A2DP	Advanced Audio Distribution Profile
AES	Advanced Encryption Standard
CCKM	Cisco Centralized Key Management
CPU	Central Processing Unit
CSD	Circuit Switched Data
DNS	Domain Name Server
DRM	Digital Rights Management
DUN	Dial-up Networking
EAP	Extensible Authentication Protocol
EDGE	Enhanced Data Rates for GSM Evolution
FAST	Flexible Authentication Via Secure Tunneling
FTP	File Transfer Profile
GAP	Generic Access Profile
GOEP	Generic Object Exchange Profile
GPRS	General Packet Radio Service
GPS	Global Positioning System
GSM	Global System for Mobile Communications
GTC	Generic Token Card
HFP	Hands-Free Profile
HID	Human Interface Device Profile
HSPA	High Speed Packet Access
HSDPA	High Speed Download Packet Access
HSUPA	High Speed Uplink Packet Access
HSP	Headset Support Profile
ID	Identity
IMAP4	Internet Message Access Protocol 4
IP	Internet Protocol

Acronym	Expansion
IPSec	Internet Protocol Security
ISP	Internet Service Provider
LAN	Local Area Network
LEAP	Lightweight Extensible Authentication Protocol
LED	Light-emitting diode
Mach. PAC	Machine Protected Access Credentials
MD5	Message-Digest algorithm 5
microSD	Micro Secure Digital
MMS	Multimedia Messaging Service
MP3	Moving Picture Experts Group Layer-3
MSCHAP	Microsoft Challenge-Handshake Authentication Protocol
OPP	Object Push Protocol
OS	Operating System
PAC	Protected Access Credentials
PBAP	Phone Book Access Profile
PC	Personal Computer
PEAP	Protected Extensible Authentication Protocol
PIN	Personal Identification Number
POP3	Post Office Protocol 3
RF	Radio Frequency
RTF	Rich Text Format
SAP	SIM Access Profile
SIM	Subscriber Identity Module
SMS	Short Messaging Services
SMS-CB	Short Message Service Cell Broadcast
SMTP	Simple Mail Transfer Protocol
SPP	Serial Port Profile
SSL	Secure Sockets Layer
TCP/IP	Transmission Control Protocol/Internet Protocol
TKP	Temporal Key Integrity Protocol
TLS	Transport Layer Security
TTLS	Tunneled Transport Layer Security
URL	Uniform Resource Locator
USB	Universal Serial Bus

Acronym	Expansion
VPN	Virtual Private Network
WAN	Wide Area Network
WAP	Wireless Access Point
WCDMA	Wideband Code Division Multiple Access
WEP	Wired Equivalent Privacy
Wi-Fi	Wireless Fidelity
WMDC	Windows Mobile Device Center
WPA-PSK	Wi-Fi Protected Access
WWE	World Wide English

Icons used

The icons that are present on your HP iPAQ and are used in the guide are given below.

Icon	Description
	EMS
	Wireless Manager

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