

To configure the data settings:

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

 **WARNING!** It is not recommended to manually configure using **HP iPAQ DataConnect**.

HP Asset Viewer

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

To access HP Asset Viewer:

1. Tap **Start > Settings > System > HP Asset Viewer**.
2. To view additional system information, tap the appropriate tabs.
 - The **Identify** tab displays the serial number and the user information.
 - The **Memory** tab displays the iPAQ device memory information.
 - The **Version** tab displays the iPAQ device Version information
 - The **Display** tab displays the iPAQ device display panel information.
 - The **System** tab displays the iPAQ device system information.
 - The **Camera** tab displays the iPAQ device Camera information.
 - The **Bluetooth** tab displays the iPAQ device Bluetooth information.
 - The **WLAN** tab displays the iPAQ device WLAN information.
 - The **GSM** tab displays the iPAQ device GSM information.
 - The **GPS** tab displays the iPAQ device GPS information.

Certificate Enroller

Certificate Enroller is an enhanced security feature for retrieving and registering new certificates. This application-initiated enrollment allows you to request a user certificate from a certificate server.

 **NOTE:** **Certificate Enroller** picks up certificate types from Active Directory as well as from the device data store. You must enter a server name for retrieving the certificate, and if required, a valid username and password.

To access Certificate Enroller:

1. Tap **Start > Settings > System > HP CertEnroller**.
2. Use the on-screen keypad to enter server name, user name, and password. Tap **ok** to save the settings.

 **NOTE:** Tap **Retrieve** to initiate the transaction of downloading the certificate from the server.

3. Once the certificate is retrieved, tap **Menu > Cancel** to exit.

 **NOTE:** Tap **Menu > About** to view a brief description of the application, application name, version number, and copyright statement.

Manage certificates

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

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

HP iPAQ Tips

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

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

HP Voice Commander

Use **HP Voice Commander** application to look up contacts, dial a contact by name, get calendar information, play and control your music, as well as launch applications on your HP iPAQ. For more information refer [Voice commands on page 24](#).

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

HP iPAQ Mobile Broadband Connect

Use **HP iPAQ Mobile Broadband Connect** to connect your computer to the Internet using your GPRS enabled iPAQ. You need to install the **HP iPAQ Mobile Broadband Connect** application, which is available on the *Getting Started CD*.

 **NOTE:** Make sure you have installed ActiveSync 4.5 for Windows XP OS or WMDC 6.1 for Windows Vista OS on your computer before using this application.

To connect your computer to the Internet using your HP iPAQ:

1. Connect your HP iPAQ to your computer using the mini-USB synchronization cable.
2. The **HP iPAQ Mobile Broadband Connect** icon in the system tray on your computer indicating that the iPAQ has established a connection with the computer.
3. Double click on the **HP iPAQ Mobile Broadband Connect** icon in the system tray on your computer.
4. Select a valid GPRS connection from the connection list on your HP iPAQ and tap **Next** to move to DataModem state.
5. You can then access the Internet using the Internet browser on your computer.

HP Enterprise Mobility Agent (mProveDM)

Use the  **HP Enterprise Mobility Agent** to help you easily configure and manage your HP iPAQ.

Visit <http://redirect.hp.com/svs/rdr> to download and install the  **HP Enterprise Mobility Agent**.

After you install the  **HP Enterprise Mobility Agent**, the application will configure, download, and install different applications from the Internet on your HP iPAQ. This application requires WLAN connection with access to internet.

HP iPAQ File Store

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

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

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

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

HP PrintSmart Mobile

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

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

HP Keyguard

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

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

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

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

The buttons on the device do not perform their functions and the touch screen is inactive until you complete the sequence to unlock the keys. To unlock this application, follow the deactivation sequence as described on the screen.

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

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

HP SecureConnect Mobile

Use **HP SecureConnect Mobile** to automatically connect your HP iPAQ to Wi-Fi hotspots or home and office networks. You need to follow an online registration process to begin using this application. All communications carried out using **HP SecureConnect Mobile** supports Cisco Compatible Extensions v1, v2, v3, and v4 (CCX) and thus gives enhanced security, mobility, quality of service, and network management.

HP iPAQ Ring Tone Manager

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

To add a ring tone:

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

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

To add a ring tone:

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

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

HP iPAQ Audio Applet

The **HP iPAQ Audio Applet** allows you to set, adjust, and save settings for the equalizer bands. Saving the equalizer settings helps in their easy retrieval. Additionally, you can define a new mode with the desired equalizer band values.

To adjust the **Headphone Equalizer** settings:

1. Tap **Start > Settings > System > Audio Control > Equalizer**.
2. Select the **Enable Headphone Equalizer** check box to enable the equalizer controls.
3. From the **Mode** list, select the required mode.

 **NOTE:** The equalizer settings are preset and unalterable for the predefined modes: **Flat**, **Classical**, **Rock**, **Jazz**, **Dance**, and **Vocal**.

To create a new mode:

1. Tap **New** on the **Headphone Equalizer** screen.
2. In the **Mode Name** box, enter a desired name for the new mode and tap **OK**.

 **NOTE:** The new mode name should be different from the predefined mode names. You can modify and delete the new modes.

To access the **Microphone** settings:

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

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

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

Pocket Internet Explorer (PIE)

You can launch the **PIE** application from the **Start** menu. This application displays an iPAQ-customized home page with the following icons:

	iPAQ software
	iPAQ Mobile
	Windows Mobile
	iPAQ accessories
	HP shopping

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

Remote Desktop Mobile

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

To connect to a Terminal Server:

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

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

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

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 media audio and video files, and MP3 audio files stored on your phone or memory card.

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

 **NOTE:** Protected files are digital media files that are secured with a license to prevent unauthorized use or playback. Licenses are created and managed by using the DRM technology.

Clear the Now Playing List

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

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

1. If you are on the **Library** screen, select the **Now Playing** category to display the **Now Playing** screen. If you are on the **Playback** screen, select **Now Playing** to display the **Now Playing** screen.
2. On the **Now Playing** screen, tap **Menu > Clear Now Playing**.

Update a Library

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

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

Use HP Voice Commander to play media files

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

1. Press the **HP Voice Commander** key on your HP iPAQ.
2. Hold your HP iPAQ 10 cm 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.

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

MS Office applications

Word Mobile

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

With Word Mobile, you can:

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



NOTE: If you edit a file, you will need to save it in .doc, .rtf, .txt, or .dot format.

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

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

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

Excel Mobile

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

With Excel Mobile, you can:

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

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

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

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

PowerPoint Mobile

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

With PowerPoint Mobile, you can:

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

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

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

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

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

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

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

Games

Bubble Breaker

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

To start a new game:

1. Tap **Start > Programs > Games > Bubble Breaker**.
2. Tap **New Game** to start a new game.
3. Tap **Menu > Statistics** to select a style to display relative entries.
4. Tap **Menu > Options...** to edit the settings for the game.

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

To play a game:

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

Solitaire

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

To play a game:

1. Tap **Start > Programs > Games > Solitaire**.
2. Tap **Menu > New Game** to start a new game.
3. Tap and hold the card you want to move and drag it to the card stack to which you want to move the card.
4. Move any aces on the seven stacks to the four card spaces at the top of the screen, and then make any other available plays.

5. Tap a card twice to move it to the four card stack on the upright corner of the screen if it belongs there. The card that is faced up on the four card stacks is always available for play.
6. When you have made all the available plays, tap **Draw** to turn over cards.

Internet Sharing

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

To connect to a laptop using a USB data connection

You might need to install the USB driver before connecting to your computer. If your computer has automatically added your HP iPAQ as a new modem, you can skip the following steps:

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

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

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

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

Setting Up a USB modem connection:

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

To connect to a laptop using Bluetooth data connection

For best results, connect your HP iPAQ to the computer using a mini-USB to establish a synchronization relationship before connecting via Bluetooth.

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

To set up a Bluetooth modem connection:

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

Internet Explorer

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

To open a link using favorite page:

1. Tap **Start > Internet Explorer** to open the **Internet Explorer Mobile**.
2. Tap **Favorites** list and tap to open the required link.
3. Tap **Menu > Favorites...** to list all your favorite sites and tap **Menu > Add To Favorites...** to add a new URL in your favorites list.
4. Tap **Menu > History...** to display the history.



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

NOTE: You can send any URL as an e-mail message by tapping **Menu > Tools > Send Link...**

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

Windows Live Messenger

You can use MSN Messenger on your phone to send instant messages. MSN Messenger provides the same chat environment as of the MSN Messenger on your computer.

With the MSN Messenger feature, you can:

- 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.

To use MSN Messenger, 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 your HP iPAQ MSN Messenger feature.

Sign in and out of messenger

Tap **Start > Programs > Messenger** to open MSN Messenger feature.

To sign into the Messenger:

1. Tap **Sign in** after navigating to a required sign-in status.
2. Enter your information in the **Sign-in** and **Password** box. Tap **Sign In**.

To sign out of the Messenger:

▲ Tap **Menu > Sign Out** to sign-out of MSN Messenger.

If you do not sign out of MSN Messenger, 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 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

Send instant messages

You can send instant messages from your MSN Messenger to contacts on your messenger list.

To send Instant Messages:

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

You can also manage your contacts and control their visibility.

To manage contacts in the MSN Messenger:

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



NOTE: Tap **Menu > My Text** to add common messages when composing instant messages. Tap **Menu > Invite** to invite a contact to an ongoing chat. You can also see who is already talking to you or change between chats by tapping **Menu > Chats**.

Change your status

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

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

OMA DRM Client

Placeholder – More information required.

Pocket Panel Lite

Placeholder – More information required.

SMS cell broadcast

Placeholder – More information required.

SIM Toolkit

Placeholder – More information required.

Sim Manager

Placeholder – More information required.

iPAQ power

Placeholder – More information required.

iPAQ backlight

Placeholder – More information required.

TTY

Placeholder – More information required.

19 Product specifications

System specifications

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

System Feature	Description
Processor	Marvell PXA270 (Bulverde) 520 MHz
Operating System	Microsoft® Windows Mobile 6 Professional
Memory	128 MB/256 MB RAM/ROM
External Power	Power adapter: input 100–240 Vac, 200 mA, 50 to 60 Hz and output +5 Vdc, 1 A USB charger: 5 Vdc, 100/500 mA
Display	2.8" 240x320 TFT LCD with touch screen
SD Slot	Supports MicroSD memory
Headphone Jack	Placeholder
Antenna	Internal WLAN and Bluetooth antennas
Audio	Placeholder
Battery	1590 mAh Li-Ion removable/rechargeable battery
Bluetooth	Bluetooth 2.0, Profiles: Handsfree/ OBEX/ PAN/ FTP/ Serial Port/ A2DP, 10 m range (approximately 33 ft)— High-speed, low-power, short-range wireless communication with other Bluetooth devices
WLAN	IEEE 802.11b/g
Camera	<ul style="list-style-type: none">• 3 M pixels• Auto-focus (10 cm to infinity)• 4x Digital Zoom• Video recording with audio (max. QVGA)

Physical specifications

	US	Metric
Length	4.61 inches	117 mm
Width	2.37 inches	60.3 mm

	US	Metric
Depth	0.68 inches	17.3 mm
Weight	<ul style="list-style-type: none"> • With battery: 5.149 oz • Without battery: 4.021 oz 	<ul style="list-style-type: none"> • With battery: 146 g • Without battery: 114 g

Operating environment

		US	Metric
Temperature	Operating	14° to 113° F	-10° to 45° C
	Non-operating	4° to 140° F	-20° to 60° C
Relative Humidity	Operating	85 % RH	85 % RH
	Non-operating	90 % RH	90 % RH

20 Regulatory notices

Federal Communications Commission Notice

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

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

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

Modifications

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

Cables

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

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

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

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

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

Hewlett-Packard Company

P. O. Box 692000, Mail Stop 530113

Houston, TX 77269-2000

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

For questions regarding this FCC declaration, write to

Hewlett-Packard Company

P. O. Box 692000, Mail Stop 510101

Houston, TX 77269-2000

or call HP at 281-514-3333

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

Canadian Notice

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

Avis Canadien

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

European Union Notice

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

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

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

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

- R&TTE Directive 1999/5/EC

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

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



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



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

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

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

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

Products with 2.4–GHz Wireless LAN Devices

France

L'utilisation de cet équipement (2.4GHz wireless LAN) est soumise à certaines restrictions: cet équipement peut être utilisé à l'intérieur d'un bâtiment en utilisant toutes les fréquences de 2400 à 2483.5MHz (Chaîne 1–13). Pour une utilisation en environnement extérieur, vous devez utiliser les fréquences comprises entre 2454 à 2483.5–MHz (Chaîne 10–13). Pour les dernières restrictions, voir <http://www.art-telecom.fr>.

For 2.4-GHz wireless LAN operation of this product, certain restrictions apply. This equipment may use the entire-2400-MHz to 2483.5-MHz frequency band (channels 1 through 13) for indoor applications. For outdoor use, the 2454-MHz to 2483.5-MHz frequency band (channels 10 through 13) may not be used. For the latest requirements, see <http://www.art-telecom.fr>.

Italy

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

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

Battery Warning

-
- ⚠ **WARNING!** This HP iPAQ contains a lithium ion rechargeable battery. To reduce the risk of fire or burns, do not disassemble, crush, puncture, short external contacts, or dispose of in fire or water. Replace only with the HP spare.
 - WARNING!** Fire, Explosion, And Severe Burn Hazard. Do Recharge, Crush, Disassemble, Heat above (100° C/212° F), or Incinerate.
 - ⚠ **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.
-



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.

Class 1 LED Product

Airline Travel Notice

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

Medical Electronic Equipment

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

SAR Notice

THIS DEVICE MEETS INTERNATIONAL GUIDELINES FOR EXPOSURE TO RADIO WAVES.

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

The exposure standard for mobile devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit stated in the international guidelines is 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 0.791 W/kg (10g).

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

* The non-FCC SAR limit for mobile devices used by the public is 2.0 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.

To avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna should be minimized. No metallic body accessories are allowed and 2.5 cm spacing between PDA and the body must be maintained to satisfy RF Exposure.

This PDA has been tested and demonstrated compliance when WLAN with Bluetooth, and GSM with Bluetooth are transmitting simultaneously. The highest FCC SAR value for this device when tested for use at the head is 1.59 W/kg and when tested for use at the body is 1.46 W/kg. This PDA must not be co-located or operating in conjunction with any other antenna or transmitter.

SAR compliance for body-worn operations is restricted to the holster <M/N: 459084-001> designated or supplied for this product and to belt-clips, holsters, or similar accessories that have no metallic component in the assembly and which provide at least 2.5cm separation between the device and the users body.

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.

Japanese Notice

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

取扱説明書に従って正しい取り扱いをして下さい。

この機器の使用用途等では、電子レンジ等の産業・科学・医療用機器のほか工場の製造ライン等で使用されている移動体通信用の屋内無線局（免許を要する無線局）及び特定小電力無線局（免許を要しない無線局）が運用されています。

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

連絡先：日本ヒューレット・パカード株式会社 TEL.0120-014121

Wireless LAN 802.11b Devices



Wireless LAN 802.11g Devices



Bluetooth Devices



Taiwan DGT Notice

低功率電波輻射性電機管理辦法

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

第十七條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
前項合法通信，指依電信規定作業之無線電信、低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

註：

1. SAR 標準? 1.6W/Kg ;
送測?品實測?GSM:900 為1.0 W/Kg。
PCN:1800 為0.497 W/Kg。
2. 減少電磁波影響，請妥適使用。

Korean Notice

B급 기기 (가정용 정보통신기기)

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

21 Frequently Asked Questions

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

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

- Is the battery charged?
- Is the battery properly installed?
- Are the contacts on the battery and phone clean? If the contacts appear to be soiled, contact your dealer to get them cleaned.

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

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

- Is the reception of the network signal good?
- **Is the network set up properly? If necessary, try to select your network manually.**
- Have you activated the **Fixed Dialing**, **Call Forwarding**, and **Call Barring** functions? If yes, deactivate them temporarily.
- Are you using your HP iPAQ with other SIM cards with the **Enable SIM PIN** function activated? If yes, deactivate the function temporarily.
- Is your HP iPAQ switched to the Flight mode? If yes, turn it off.
- Are you currently located within closed boundaries? If yes, move to an open space or closer to a window.

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

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

- Make sure you have subscribed for a data service from your service operator.
- Make sure you entered correct setting parameters, such as APN and IP addresses in data profile setup.

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

If you are unable to hear to voices clearly, make sure you have turned off the in-call mute function.

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

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

Why do I hear disturbing noises during a phone call?

You may hear disturbing noises if you use your HP iPAQ near a 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.

Why are the standby and talk time shorter at times?

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

- The HP iPAQ may consume more power when the signal reception is poor. Try to move to an open location when you use your HP iPAQ.
- If you are using a new battery, it may take several charging and discharging cycles for the battery to reach its original capacity. Use the HP iPAQ after charging it completely.
- If your battery is very old, replace it with a new one.
- Avoid using the HP iPAQ in very high or low temperature environments. The efficiency of a battery can be effected by extreme temperature conditions.

Why does the HP iPAQ operate slowly at times?

You should have at least 1.5 to 2 MB of free memory space on your HP iPAQ so that the device operates efficiently. To check the free memory space, tap **Start > Settings > System > Memory**. Remember to delete or transfer old e-mail messages and pictures on your HP iPAQ to free available memory space.

Why do I see the Today screen layout error message on my HP iPAQ display screen?

You will get a **Today** screen layout error message if you did not select a **Today** screen layout. To correct this, tap **Start > Settings > System > Screen** and select a layout for the **Today** screen.

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

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

- Is the battery charger correctly plugged into the battery charger socket on the HP iPAQ?
- Is the power cord of the charger damaged?
- Is the battery very old? If yes, replace with a new battery and try again.

I am unable to use the ActiveSync feature. What should I do?

To be able to use the ActiveSync feature, upgrade your computer to the latest version of ActiveSync. It is recommended to use ActiveSync 4.5 or a higher version. Visit <http://www.microsoft.com/downloads> for the latest versions.

My HP iPAQ was not connected during WMDC installation?

Although you do not need to connect your HP iPAQ during the installation process of WMDC, it is highly recommended to have it connected.

Which factors degrade the GPS signal and affect accuracy?

The GPS signal slows down when:

- It passes through the atmosphere.
- 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 indoor, underwater, or underground.
- You are running multiple applications while connecting.

My HP iPAQ was not connected during WMDC installation?

It is not a strict requirement that you have your HP iPAQ connected during the installation process of WMDC, but it is highly recommend that you do.

My HP iPAQ was connected while I was installing but WMDC does 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 connect for the first time via Bluetooth?

The initial connection between your HP iPAQ and the desktop WMDC application needs to happen with a mini-USB synchronization cable. After this initial connection, you will be able to set up Bluetooth for future connections.

22 Guidelines for care and maintenance

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

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 charging/communications port of your HP iPAQ. This can short-circuit the battery and result in danger.**
- Transfer your SMS messages from the HP iPAQ's memory to the SIM card memory.

Cleaning your HP iPAQ

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

Carrying or storing your HP iPAQ

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

Use accessories

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

Use your HP iPAQ in public places

Turn off your HP iPAQ or switch it to silent mode when you are asked to in public places.