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 97.

Connect by tapping **Wireless Manager** on the **Today** screen or by tapping **Start > Settings > Connections > Wireless Manager**.

Use Wireless Manager

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

NOTE: When the phone connection is turned off, you cannot receive or make a call, including emergency calls.

To use **Wireless Manager**, tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**.

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

In flight mode, all wireless connections are turned off.

HSPA/GPRS/EDGE

Your HP iPAQ is a 3.5G device that supports high and better data throughput. It supports HSPA known as 3.5G to transmit voice and data at the same time, WCDMA known as 3G to transmit voice and data at the same time, EDGE known as 2.75G to transmit data, GPRS known as 2.5G to transmit data, and GSM known as 2G to transmit voice.

HSPA

High Speed Download Packet Access (HSPA), also known as 3.5G, is an enhancement of Wideband Code Division Multiple Access (WCDMA) which is based on 3G technology, and offers better data throughput. Your HP iPAQ supports HSPA 3.6 to 7.2 Mbps for high speed downloads. HP iPAQ also supports WCDMA over three different frequency bands (900/1900/2100). When WCDMA or HSPA is

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

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

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

📝 **NOTE:** If data services are used, they are charged additionally to your standard mobile phone service. Check with your service provider for data services and cost.

If you have trouble with your connection, contact your service provider.

Bluetooth

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

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.
Bonding (Paired 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.

Term	Definition
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. Tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**.

2. Tap **Menu > Bluetooth Settings**.

Use a Bluetooth headset

To connect a Bluetooth headset:

1. Turn on your headset and place it within a few feet (a meter or so) of your HP iPAQ.

2. Set your headset to visible. You can refer to the documentation that is provided with your headset. This allows your device to detect it and establish a connection.

3. Tap **Start > Settings > Connections > Bluetooth**.

4. Tap **Add new device…**. Your HP iPAQ searches for other devices with Bluetooth capabilities and displays them in the list.

5. Tap the name of the headset, tap **Next**, and then follow the on-scree instructions to establish a connection.

Create a Bluetooth partnership

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

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. Tap **Start > Settings > Connections > Bluetooth**.

2. Tap **Add new device…**. Your HP iPAQ searches for other devices with Bluetooth capabilities and displays them in the list.

3. Tap the name of the other device, and then tap **Next**.

4. If you want to set a passcode, which is recommended for enhanced security, enter an alphanumeric passcode between 1 and 16 characters in the **Passcode** box, and then tap **Next**. Otherwise, leave the passcode blank, and tap **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. Tap **Done**.

If you cannot discover another device, try the following:

- Make sure Bluetooth is turned on.

- Move the devices closer to each other.

- Make sure the device you are attempting to connect is on and is visible to other devices.

End a Bluetooth partnership

To delete a Bluetooth partnership:

1. Tap **Start > Settings > Connections > Bluetooth**.

2. Tap and hold the partnership to delete.

3. Tap **Delete**.

Accept a Bluetooth partnership

To accept a Bluetooth partnership:

1. Make sure that your HP iPAQ is visible and within close range (up to 10 meters, or about 30 feet) of the pairing device.

   a. Tap **Start > Settings > Connections > Bluetooth > Mode**.

   b. Select the **Make this device visible to other devices** check box.

   c. Tap **ok**.

2. When prompted to accept a partnership with the device that is requesting the relationship, tap **Yes**.

3. If a passkey is requested, enter an alphanumeric passkey between 1 and 16 characters in **Passkey** box, and then tap **Next**. Enter the same passkey in the device that requests the partnership. Using a passkey provides greater security.

4. Tap **Done**.

Edit a Bluetooth partnership

To rename a Bluetooth partnership:

1. Tap **Start > Settings > Connections > Bluetooth**.

2. Tap and hold the partnership to edit.

3. Tap **Edit**.

4. In the **Display Name** box, enter a new name for the partnership.

5. Tap **Save**.

Connect to a computer using Bluetooth

Connect to a Bluetooth-enabled computer using ActiveSync or WMDC. For more information about ActiveSync and WMDC, see Synchronization on page 82.

To connect to a computer through Bluetooth using ActiveSync:

1. Follow the instructions in the synchronization software help on the computer for configuring Bluetooth on your computer to support ActiveSync.

2. On your HP iPAQ, tap **Start > Programs > ActiveSync**.

3. Tap **Menu > Connect via Bluetooth**. Make sure the HP iPAQ 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. Tap **Sync**.

6. Tap **Menu > Disconnect Bluetooth** to disconnect when you do not require the Bluetooth connection.

☼ **TIP:** To preserve battery power, turn off Bluetooth when not in use. For best results, connect your HP iPAQ to the computer using a USB cable to establish a synchronization before connecting through Bluetooth.

To connect to a computer through Bluetooth using WMDC:

1. Follow the instructions in synchronization software help on the computer for to configure Bluetooth.

2. On your HP iPAQ, tap **Start > Programs > ActiveSync**.

3. Tap **Menu > Connect via Bluetooth**. Make sure that the HP iPAQ and computer are within close range.

4. When prompted, if you would want to set up a partnership, tap **Yes**.

5. On the computer, when prompted that a Bluetooth device is attempting to connect with the computer, click **To allow this connection**.

6. To disconnect, tap **Menu > Disconnect**.

Use your HP iPAQ as a wireless modem with Bluetooth

Use your HP iPAQ as a wireless modem to connect your Bluetooth-enabled computer to the Internet. For more information, see To connect to a computer using Bluetooth data connection on page 98

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 Over Bluetooth

- Advanced Audio Distribution Profile (A2DP)

- Generic Access Profile (GAP)

- Hands-Free Profile (HFP)

- Headset Profile (HSP)

- Human Interface Device (HID) Profile

- Generic Object Exchange Profile (GOEP)

- Object Push Profile (OPP)

- Serial Port Profile (SPP)

- Bluetooth Phone Book Access Profile (PBAP)

- File Transfer Profile (FTP)

- Personal Area Networking (PAN) Profile

- Audio/Video Remote Control Profile (AVRCP)

- Dial-up Networking (DUN) Profile

Access services

If you choose to require authorization to access services, you have to authorize each connection. Your HP iPAQ always asks you if the connection should be permitted.

To set authorization to access services:

1. Tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**.

2. Tap **Menu > Bluetooth Settings**.

3. Configure the service you want to enable using the options displayed on the different tabs.

4. Tap **ok**.

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. Tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**.

3. Tap **Menu > Bluetooth Settings**.

4. Tap **COM Ports**.

5. Tap **New Incoming Port** or **New Outgoing Port**.

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

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. Tap **Finish**.

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. Tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**.

2. Tap **Menu > Bluetooth Settings**.

3. Tap and hold the connection that you want to delete.

4. Tap **Delete**.

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: The alphabet following 802.11 determines the frequency used, speed at which data transfer takes place, and the signal range for the Wi-Fi-enabled device.

Use Wi-Fi to complete these tasks:

● Access the Internet.

● Send and receive e-mail.

● Access corporate network information.

● Use VPNs for secure remote access.

● Use hotspots for wireless connectivity.

Tap **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 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/or numbers) conversion process of data primarily used for protection against any unauthorized access.

Term	Definition
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.

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. Tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**.

2. Tap **Menu > Wi-Fi Settings**.

3. Modify the settings you want to change.

4. Tap **ok**.

Connect to a Wi-Fi network

When you try to connect to a Wi-Fi network, the HP iPAQ automatically detects 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 connect to a Wi-Fi network:

1. Tap **Start > Settings > Connections > Wireless Manager > Wi-Fi**.

2. After your HP iPAQ detects a Wi-Fi network, you are asked to connect. Select the network that you want to connect to and tap **Connect**.

Manually connect to a Wi-Fi network

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

To manually connect to a Wi-Fi network:

1. Tap **Start > Settings > Connections > Wi-Fi**.

2. Tap **Wireless > Menu > Add New…**

3. Enter the network name.

4. Select **The Internet** to connect to the Internet through an ISP or select **Work** to connect to a company network in the **Connects to** list.

NOTE: You should select **Work** if the network requires a proxy server.

5. Select the **This is a hidden network** check box to connect a hidden network.

6. Select the **This is a device-to-device(ad-hoc) connection** check box to connect ad-hoc network.

7.   Tap **Next**.

  ● 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, tap **The key is automatically provided** check box. You can also enter the **Network key** and **Key index**.

8.   Tap **Next**.

9.   Select the **Use IEEE 802.1x network access control**, and then specify the **EAP type** from the list.

10. Tap **Finish**.

Find an IP address

Determine your IP address to make sure that an address is assigned to the network and your HP iPAQ is able to access the network.

To find an IP address:

1.   Connect to a network automatically or manually by tapping **Start > Settings > Connections > Wi-Fi > Network Adapters**.

2.   Select an adapter in the **Tap an adapter to modify settings** list. The Wi-Fi IP address is displayed in the **IP address** box.

Delete a Wi-Fi network

You can delete networks you manually enter. However, you cannot delete automatically detected networks.

To delete an existing or available wireless network:

1.   Tap **Start > Settings > Connections > Wi-Fi**.

2.   Tap **Wireless**.

3.   In the **Configure Wireless Networks** box, select the Wi-Fi network to delete.

4.   Tap **Menu > Remove Settings**.

Advanced settings

If your network is behind a firewall, please configure the advanced settings to connect to the Internet or to access secured 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.   Tap **Start > Settings > Connections > Connections > Advanced > Exceptions…**

2.   Tap **Add new URL…**

3. In **Work URL**, enter the intranet URL.

4. Tap **ok**.

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

Change an intranet URL

To change an intranet URL:

1. Tap **Start > Settings > Connections > Connections > Advanced > Exceptions…**

2. Tap the intranet URL exception to change, then make the required changes.

3. Tap **ok**.

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

Set up an automatic choice for connections

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

To set up an automatic choice for connections:

1. Tap **Start > Settings > Connections > Connections > Tasks**.

2. Under **My ISP** or **My Work Network**, tap **Add a new modem connection** to create a new connection.

3. After you create a new connection, under **My ISP** or **My Work Network**, tap **Manage existing connections**.

4. Tap **Auto pick**.

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

5. Tap **ok**.

Set up a WAP gateway

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

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

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

To set up a WAP gateway:

1. Tap **Start > Settings > Connections > Connections > Advanced > Select Networks > Edit…** to edit **iPAQ WAP** from the **Programs that automatically connect to the Internet should connect using** list. If a proxy server has not been set up, tap **New…**

2. On the **Proxy Settings** tab, select the **This network connects to the Internet** and **This network uses a proxy server to connect to the Internet** check boxes.

3. If necessary, enter the proxy server name in the **Proxy server** box.

4. Tap **Advanced > WAP**.

5. In the **Server** box, enter the WAP gateway server name. Under **Port**, enter the port number. Your HP iPAQ already has the GPS port specified by default.

6. Enter any logon credentials required by the WAP gateway server.

7. Tap **ok**.

Configure advanced proxy settings

To configure advanced proxy settings:

1. Tap **Start > Settings > Connections > Connections > Advanced > Select Networks > Edit…** to edit **iPAQ WAP** from the **Programs that automatically connect to the Internet should connect using** list. If a proxy server has not been set up, tap **New…**.

2. On the **Proxy Settings** tab, select the **This network connects to the Internet** and **This network uses a proxy server to connect to the Internet** check boxes.

3. If necessary, enter the proxy server name in the **Proxy server** box.

4. For the appropriate server type, enter the proxy server name and port.

5. If necessary, enter the credentials for connecting with your proxy server.

6. Tap **Advanced > Socks**.

7. Select **Socks 4** or **Socks 5**. If using Socks 5, enter the credentials for connecting with your proxy server.

Advanced connection settings

To set up advanced connections:

1. To connect to a network, tap **Start > Settings > Connections > Connections > Advanced > Select Networks**.

2. Select **My ISP** to connect to the Internet through an ISP or select **My Work Network** to connect to a company network. Select **My Work Network** if the network requires a proxy server. If you need to change or create a network management name, tap **Edit…** or **New…**, and then tap **ok**.

3. On the **Connections** screen, tap **Advanced > Dialing Rules…**

4. To avoid creating a new connection for each location, select the **Use dialing rules** check box.

   📝 **NOTE:** You can edit a dialing rule by tapping **Edit** on the **Dialing Rules** screen. To do so, enter details such as **Name**, **Country code**, and **Area code**.

5. To create URL exceptions, on the **Connections** screen tap **Exceptions… > Add new URL**, enter the URL, and tap **ok**.

Set up a VPN server connection

A VPN connection enables secure connectivity to your corporate network through the Internet.

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

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

- User name

- Password

- Domain name

- TCP/IP settings

- Host name or IP address of the VPN server

To set up a VPN server connection:

1. Tap **Start > Settings > Connections > Connections > Tasks**.

2. Under **My Work Network**, tap **Add a new VPN server connection** and follow the instructions in the New Connection wizard.

3. Under most circumstances, you should not change any advanced settings. However, you need to change advanced settings when:

    - The server to which you are connecting does not use dynamically-assigned addresses, and you need to enter your TCP/IP settings.

    - You need to change server DNS or WINS settings that you can obtain from your network administrator.

    If either of these circumstances applies, from the **My VPN** screen, tap **Advanced** and fill in the appropriate information. Tap **ok** to save the changes and return to the **My VPN** screen.

4. To view additional information for any screen in the wizard or while changing settings, tap **Help**.

End a connection

Disconnect active connections on your HP iPAQ when it is not in use. This can save Internet connection charges and also conserve the battery.

- When connected by cable, detach your HP iPAQ from the cable.

- When connected through Bluetooth, tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**. Next, tap **Bluetooth** to turn Bluetooth off.

- When connected through Wi-Fi, tap **Wireless Manager** on the **Today** screen or tap **Start > Settings > Connections > Wireless Manager**. Next, tap **Wi-Fi** to turn Wi-Fi off.

- When connected through GPRS, press the ▭ (End/Power) key.

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 setup is completed, synchronization takes place every time your HP iPAQ is connected to your computer.

After installing the synchronization program you can synchronize Outlook, Contacts, e-mails, Calendar, Task, and any other features. 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 program:

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 opens.

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 > 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. 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.

The following symptoms 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. (The ◉ green icon on your computer continues to spin.)

● Synchronization has been established between your HP iPAQ and computer but the connection is dropped. (The ◉ 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 of Windows, synchronization settings are managed through Microsoft ActiveSync. Microsoft ActiveSync 4.5 is available on the *Getting Started* CD. Go to http://www.microsoft.com/windowsmobile and click **Starting Out** 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. Go to http://www.microsoft.com/ windowsmobile and click **Starting Out** to download the latest version of Windows Mobile Device Center.

   📝 **NOTE:**   HP does not guarantee functionality of any third-party programs.

●   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, 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 > 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 skip the setup process and connect the device.

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

Some specialized programs are built into you HP iPAQ. They make a range of tasks available from the device. Listen to your favorite MP3 music using Windows Media® Player Mobile. Record voice clips to be sent as an attachment to family and friends. Use Office Mobile programs to view presentations, spreadsheets, and documents. This section introduces these features and others to use your HP iPAQ to the fullest.

ArcSoft Streaming Player

Use the ArcSoft Streaming Player to access streamed audio and video files from the Internet. With streaming, you can watch the video or listen to the audio while it is downloading instead of waiting until the entire file is downloaded.

To play a streamed file from the Internet:

1. Tap **Start > Programs > Media > Streaming Player**.

2. Tap **Menu > Open**.

3. Select a Web site from the **Recent History** list or enter a URL in the **Enter URL** box for the file you want to stream.

   NOTE: You need to specify the entire URL with the file name and the extension.

4. Tap **Connect**.

To close the player:

▲ Tap **Menu > Exit**.

Customer Feedback

The **Customer Feedback** software collects information about your device. You may permit the device to send the information collected to Microsoft to improve the system software. This does not collect any personal information.

To enable customer feedback:

1. Tap **Start > Settings > System > Customer Feedback**.

2. Review the information displayed on the screen.

3. Select an option.

   a. **Send Feedback**: Enables customer feedback.

   b. **Don't Send Feedback**: Disables customer feedback.

4. Tap **ok**.

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.

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.

Google Maps™ for mobile

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

NOTE: Your service provider may charge data-service rates for using the program with a limited data plan or no data plan. Contact your service provider for more details.

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.

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

- **Real-time traffic** – Identify the location where congestion exists and estimate delays in major US metropolitan areas.

- **Detailed directions** – Display maps with step-by-step directions whether you plan to walk or drive.

- **Integrated search results** – Display local business locations and contact information all in one place, integrated on your map.

- **Easily movable maps** – Zoom in or out on maps. Move in all directions so you can orient yourself visually.

- **Satellite imagery** – Get a bird's eye view of your desired location.

To launch Google Maps™:

1. Tap **Start > Programs > Application > Google Maps**.

2. In the **Terms and Conditions** screen, tap **Accept**.

3. In the **About** screen, tap **ok**.

To navigate Google Maps™:

1. Tap **Start > Programs > Application > Google Maps**.

2. Tap **Menu > Directions…**

3. Enter your current location in the **Start point** box and destination in the **End point** box.

4. Tap **OK** to start the search.

TIP: Tap **Search**, and then press the ◼ (Enter) key to search a location. You can tap the telephone number associated with a contact in the search result to call the contact.

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

Global Positioning System (GPS) on your HP iPAQ

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

See the detailed instructions from the navigation software vendor on how to use the navigation program, as it varies between country/region.

⚠ **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. Please do not use the phone while you are driving. Park the vehicle first. The HP iPAQ GPS navigation solution is intended for automotive use only.

If you are going to use GPS navigation in your vehicle for an extended period of time, charge your HP iPAQ using an Auto adapter. If you do not have an Auto adapter, you can order one at http://www.hp.com.

For information on other GPS-centric accessories or other HP iPAQ mounting solutions, visit http://www.hp.com.

Prepare your HP iPAQ

Follow the setup instructions in the printed guide that ships with your product until you complete creating a partnership with your computer.

This includes:

- Installing the Subscriber Identity Module (SIM) card.

- Installing and charging the battery.

- Synchronizing your HP iPAQ with your computer.

- Establishing a partnership between your HP iPAQ and your computer.

Verify Internet access

To verify Internet access on the HP iPAQ:

- Visit a Web site such as http://www.hp.com. If you do not have an Internet connection and GPRS service, Internet Explorer displays an error message. Check with your service provider or wireless operator to confirm if the data connection[1, 2, 3] on your device is enabled[1, 2, 3].

📝 **NOTE:**   1 – A standard GSM/GPRS/EDGE/UMTS/HSPA infrastructure, Wi-Fi or other Bluetooth-enabled devices, separately purchased equipment, and a service contract with a wireless airtime provider may be required for applicable wireless communication. Wireless Internet access requires separately purchased Internet service contract. Check with service provider for availability and coverage in your area. Not all Web content might be available. Wireless transmission speeds may vary based upon network capabilities and other conditions. Establishment and continuation of a wireless connection depends on network availability, provider support, and signal strength.

2 – EDGE is a global standard for wireless wide-area data communication being rapidly deployed by GSM carriers worldwide. Actual download speeds may vary. Coverage is subject to transmission limitations and terrain, system, capacity, and other limitations. Not all features and service options are available in all areas.

3 – Telephone service requires separately purchased contract with a service provider with coverage in your service area. Additional fees may apply for some features, check with your service provider.

Verify the date and time

Verify the correct date and time on your HP iPAQ. If the date and time are not correct, tap the Clock icon on the **Today** screen to set the date and time.

Download the GPS Connection Utility data file

Use the GPS navigation software available on your HP iPAQ to track your initial position, retrieves information from GPS satellites, and to navigate. The GPS software might take some time to get a fix on your initial position. Use GPS Connection Utility to reduce the time to first fix (TTFF). 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 quickly track your initial position.

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

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

To enable Quick GPS Connection Utility:

1. Tap **Start > Settings > Connections > GPS Connection Utility**.

2. Select the **Automatic Update** check box.

3. Tap **Done**.

After the GPS Connection Utility data file has been downloaded, you might see improvements in the GPS performance as the time-to-first-fix (TTFF) reduces.

To disable GPS Connection Utility:

1. Tap **Start > Settings > Connections > GPS Connection Utility**.

2. Clear the **Automatic Update** check box.

3. Tap **Done**.

Verify compatibility with your HP iPAQ

If you are interested in purchasing additional GPS navigation software to use on your HP iPAQ, check with the GPS software supplier before you purchase, download, or install any GPS navigation software to determine that the software is compatible with your specific HP iPAQ model.

Once you have verified compatibility, purchase and install a map onto the HP iPAQ or memory card to be able to start using the GPS navigation technology.

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

Configure and manage my GPS software to connect to my HP iPAQ's GPS receiver automatically

Your GPS enabled HP iPAQ uses Microsoft Windows Mobile 6.1, so the operating system automatically manages access to the HP iPAQ GPS receiver to allow multiple programs to simultaneously access GPS data.

All GPS software programs need to know which communications port to use to access GPS data. Your HP iPAQ already has the GPS port specified by default for the GPS software programs that come with the device. However, sometimes if you install additional GPS programs onto your HP iPAQ GPS enabled

device, you may need to manually specify the GPS port in your GPS program's configuration settings. For manual settings, refer to the documentation that came with your additional GPS software program.

Identify the COM port for my GPS receiver

The GPS receiver on your GPS enabled HP iPAQ is set to default configurations. To verify, tap **Start > Settings > System> External GPS**.

Improve a slow GPS connection

To improve GPS connection performance on HP iPAQ GPS enabled device, you need to download the latest GPS Connection Utility data file.

Even though GPS on your HP iPAQ is able to connect to the GPS satellites without enabling the GPS Connection Utility, it may take a few minutes longer and even up to five minutes to locate the satellites if you do not use this utility.

Since the GPS satellite data update files are small, you should be able to download them with a little or no impact to device performance. However, you need to buy a wireless data plan (GPRS, EDGE, UMTS, HSPA, or Wi-Fi) from your service provider before you can use this feature and GPRS connection charges may apply. Check with your service provider to see if additional charges apply.

Troubleshoot frequent GPS signal loss

To improve the satellite signal to the GPS enabled HP iPAQ, go outdoors and start the GPS navigation software. 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 windshields or windows. A direct line of sight is required between the HP iPAQ and the GPS satellites to access information from the satellites.

NOTE: Interference might take place close to tall buildings, large trees, and under very cloudy or overcast skies, all of which can block the satellite signal from reaching the HP iPAQ. Try to avoid these obstructions before using GPS.

Troubleshoot common reasons for interference when using GPS software

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

HP Asset Viewer

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

To access HP Asset Viewer:

1. Tap **Start > Settings > System > HP Asset Viewer**.

2. To view additional system information, tap the appropriate tabs.

   ● The **Identity** tab – displays the serial number and the user information.

   ● The **Memory** tab – displays the device memory size for ROM and RAM on your HP iPAQ. It also displays information about the ROM flash, flash chip type, flash block size, and PSM driver version.

   ● The **Version** tab – displays the product revision level, ROM date, ROM revision, OS version, BootLoader version, and XIP version.

   ● The **Display** tab – displays settings, such as screen color, horizontal pixels, vertical pixels, color depth, display type, and panel ID.

   ● The **System** tab – displays information about the manufacturer, product ID, model ID, processor type, processor revision, language, country ID, and UUID.

   ● The **Camera** tab – displays camera details, such as the module installed, hardware revision, hardware and software driver versions, software version, camera API interface version, and camera information.

   ● The **Keyboard** tab – displays information about the module present, firmware version, hardware revision, driver version, and software version.

   ● The **Bluetooth** tab – displays information about radio present, firmware version, hardware revision, driver version, software version, and MAC address.

   ● The **Wi-Fi** tab – displays information about radio present, firmware version, hardware revision, driver version, software version, IP address, and MAC address.

   ● The **GSM** tab – displays information about radio present, radio firmware version, and IMEI number.

   ● The **GPS** tab – displays information about the GPS present, status, manufacturer, revision level, driver version, firmware version, and software version.

   ● The **Extended ROM** tab – displays details about the HP iPAQ customization software that resides on the extended ROM (not applicable to all devices).

HP iPAQ DataConnect

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

To configure the data settings manually:

1. Tap **Start > Settings > Connections > HP iPAQ DataConnect**.

2. Select a country and operator, and then tap **Select** to configure the network settings for the selected operator.

3. The data settings will be retrieved each time you try to connect to the Internet using GPRS.

△ **CAUTION:** Do not edit network parameters unless you are being assisted by your 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. To unlock your HP iPAQ, press any key to activate your HP iPAQ from sleep mode, and then press the **Center Select** button. For more information, see Use HP iPAQ Key Guard on page 29.

HP Keyboard State Indicator

Using the **HP Keyboard State Indicator**, you can view the keyboard status on the screen. You can change the keyboard status using the special keys on the keyboard. For more information, see Use the main buttons on the HP iPAQ on page 17.

📝 **NOTE:** The **HP Keyboard State Indicator** might not be visible when using certain programs.

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

HP Photosmart Mobile

Use HP Photosmart Mobile to:

- View pictures and launch videos stored on your HP iPAQ or a storage card.
- Add voice or text notes to pictures.
- Print pictures.
- View a slideshow.
- Send pictures through MMS, e-mail attachments, or Bluetooth.
- Associate a contact with a picture.
- Assign a picture to the **Today** screen background.
- Upload a JPEG image to **Snapfish**.

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

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

To view photos and videos:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Tap **Menu > Open Folder**.
3. Browse to the folder where you have saved the photo or video.

4. Tap **ok**.

5. Double tap the photo or video to view it.

📝 **NOTE:** Video files will be played using **Windows Media Player**.

6. Tap **ok**.

Attach a voice note to a picture

To attach a voice note to a picture:

1. Tap **Start > Programs > HP Photosmart Mobile**.

2. Tap the thumbnail to which you want to add a voice note.

3. Tap the ▣ (Sound) icon.

4. Tap the ● (Record) icon on the sound toolbar.

5. Speak into the microphone to record the voice note and tap the ■ (Stop) icon when finished.

6. Tap the ▷ (Play) icon to play back the voice note.

7. To delete the recorded voice note, tap the ✕ (Delete) icon.

8. Tap the ▣ (Sound) icon again to close the sound toolbar.

Print pictures

To print pictures:

1. Tap **Start > Programs > HP Photosmart Mobile**.

2. Tap the thumbnail of the image to be printed.

3. Tap **Menu > Print…**

4. Select an option from the **Choose a method** list.

   ● **Storage Card**: Stores the files to print on a storage card.

   ● **JETSET PRINT 5**: Prints files using a Wi-Fi, Bluetooth, or USB printer.

5. Tap **Next** and follow the on-screen instructions to print.

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

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

You need to set up the printer before you begin printing photos using **JETSET PRINT 5**. For more information, see Jetcet Print on page 100.

View a slideshow

To view a slideshow:

1. Tap **Start > Programs > HP Photosmart Mobile**.

2. Tap the ▭ (Slideshow) icon at the bottom of the screen.

3. Tap the screen to view the ⊛ (Next), ⊛ (Previous), ⊗ (Stop), and ⊚ (Pause) icons.

💡 **TIP:** You can also slide your finger over the screen to view the next or the previous image.

E-mail pictures

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

To send pictures through e-mail:

1. Tap **Start > Programs > HP Photosmart Mobile**.

2. Tap the thumbnail, to be sent through e-mail, and then tap **View**.

3. Tap **Menu > Send… > E-mail Attachment**.

4. Select the **Reduce sent photo size to** check box, and then select the reduction in resolution.

5. Tap **Next**.

6. Enter the appropriate e-mail address or use **Contacts** by tapping **Menu > Add Recipient**.

7. Enter other appropriate information, such as an e-mail subject and message.

8. Tap **Send**.

Associate a contact with a picture

To associate a contact with a picture:

1. Tap **Start > Programs > HP Photosmart Mobile**.

2. Tap the thumbnail you want to associate with a contact.

3. Tap **Menu > Assign To > Contact**.

💡 **TIP:** You can also tap and hold the image, and then select **Assign To > Contact**.

4. Tap the name from the contact list.

5. Tap **ok**.

Assign a picture to the Today screen background

To assign a picture to the Today screen background:

1. Tap **Start > Programs > HP Photosmart Mobile**.

2. Tap the thumbnail you want to assign to the **Today** screen.

3. Tap **Menu > Assign To > Today Background**.

💡 **TIP:** You can also tap and hold the image, and then select **Assign To > Today Background**.

4. Tap **Ok**.

Upload photos to Snapfish

The **Snapfish Upload** utility enables you to upload JPEG images from your HP iPAQ to your **Snapfish** account.

📝 **NOTE:** You need to have active Internet connection to upload image to a **Snapfish** account.

1. Tap **Start > Programs > HP Photosmart Mobile**.

2. Tap the thumbnail to be sent through **Snapfish**, and then tap **View**.

3. Tap **Menu > Send… > Snapfish**.

4. Select the **Reduce sent photo size to** check box, and then select the required reduction in resolution.

5. Tap **Next**.

6. Enter your Snapfish e-mail address and password, and then tap **Send**.

☼ **TIP:** Select the **Remember password** check box to store the password associated with the e-mail address. Your password will be automatically entered the next time you upload a photo.

7. Tap **Done**, after the upload completes.

📝 **NOTE:** If the account name or password is incorrect you will receive an error message and will have to enter the account name and password again.

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

Enhance documents

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

To use the document enhancement feature:

1. Tap **Start > Programs > HP Photosmart Mobile**.

2. Select an image.

3. Tap **Menu > Tools > Enhance Document**.

4. Select the following options:

   ● **Straighten and crop** – To detect the edges of a document and crop the original document to a rectangular shape.

   📝 **NOTE:** The document needs to have four well-defined or high-contrast edges.

   ● **Lighting and color correction** – To remove the shading on the surface of the document due to shadows and uneven lighting across the document.

5. Tap **Start** to begin document processing.

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

Set the screen saver

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

To set the screen saver:

1. Tap **Start > Programs > HP Photosmart Mobile**.

2. Tap **Menu > Tools > Screen Saver**.

3. Tap the **Show Screen Saver** check box and specify the duration after which you want to activate the screen saver from the **Launch Screen Saver after** list.

4. Tap the **Effects** tab, and select the **Use Transition effects** check box to choose a transition effect.

5. Tap the **Date/Time** tab to select the date and time display option.

6. Tap **ok**.

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

Organize images

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

To organize your images:

1. Tap **Start > Programs > HP Photosmart Mobile**.

2. Tap **Menu > Organize**.

3. Tap the images you want to organize or tap **Menu > Select > All** to select all the images.

4. Tap **Menu > Move/Copy** for options of moving or copying the selected images to card or another folder on your HP iPAQ.

5. To select a range of images, tap **Menu > Select > Range**. Next, tap the first image and then tap the last image.

6. To delete the selected images, tap **Menu > Delete**.

Send an image to clipboard

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

To copy an image to clipboard:

1. Tap **Start > Programs > HP Photosmart Mobile**.

2. Tap and hold an image thumbnail.

3. Tap **Move/Copy > Copy to Clipboard** from the menu and choose the appropriate scaling size.

To paste the copied image:

1. Open the document or note where you will paste the image.

2. Tap **Menu > Paste**.

View videos

You can play videos using the HP Photosmart program.

To play videos:

1. Tap **Start > Programs > HP Photosmart Mobile**.

2. Select the video thumbnail and tap **View**.

Internet Sharing

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

To connect to a computer using a USB data connection

When a Windows Mobile powered device is connected to the computer for the first time, the driver will be installed to enable **Internet Sharing** over USB or RNDIS. If your computer does not automatically add your HP iPAQ as a new modem, you need to manually set up your HP iPAQ for **Internet Sharing**.

To set up 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 Micro-USB synchronization cable and tap **Connect**.

To connect to a computer using Bluetooth data connection

Follow the instructions in 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 disconnected from 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. Tap **Connect** after the partnership is established.

Java Virtual Machine

Use the Java Virtual Machine to install and use Java programs 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 program using the computer:

1. Connect your HP iPAQ to your computer.

2. Copy the .jar file from your computer to your HP iPAQ.

3. Tap **Start > Programs > Application > SUN Java**.

4. Tap **Menu > Install > Install from Local**.

5. Select the .jar file.

6. Tap **Menu > Install**, and accept any confirmations that the installer prompts.

You can also manage the installed Java programs.

NOTE: You might need to use your GPRS/3G/HSPA connection for some software to perform some actions. To configure the Internet connection, tap **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 is compatible with your HP iPAQ.

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

1. Tap **Start > Programs > Application > JETCET PDF 5**.
2. Select a folder from the **Folder** list.
3. Tap the file from the list.

NOTE: To open a file when another is already open, tap **Open** and then browse for the file.

TIP: Use the scroll bars or the navigation keys to scroll through the file.

To set the zoom level:

1. Tap **Menu > View > Tools**.
2. Use the options to zoom or enter the zoom required level in the box.

TIP: Tap the settings icon displayed on the screen and select a zoom level.

To print the file:

1. Tap **Menu > Print**.
2. Select the printer, paper size, tap **Next**, and follow the on-screen information to print the file.

To set preferences for **Jetcet PDF**:

1. Tap **Menu > Preferences**.
2. Select the required preferences.
3. Tap **Done**.

To close a file:

▲ Tap **Menu > Close**.

To view information about Jetcet PDF:

▲ Tap **Menu > About…**

To close Jetcet PDF:

▲ Tap **Menu > Exit**.

Jetcet Print

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

📝 **NOTE:** Make sure that Wi-Fi is on before configuring a network printer. To turn on Wi-Fi using **Wireless Manager**, see Use Wireless Manager on page 70.

To configure a printer using Wi-Fi:

1. Tap **Start > Programs > Application > JETCET PRINT 5**.

2. Tap **Add Network Printer**.

3. Enter the IP address of the printer or the domain name in the **Printer IP Address or Domain Name** box.

4. Tap **Next**.

5. Configure the required settings and tap **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 70

To configure a printer using Bluetooth:

1. Tap **Start > Programs > Application > JETCET PRINT 5**.

2. Tap **Add Bluetooth Printer**.

3. Tap **Select to search...**

4. Tap the printer to print and tap **Next**.

5. Configure the required settings and tap **Done**.

Make sure that your HP iPAQ is connected to printer using the Micro-USB before configuring a USB printer.

To configure a printer using USB:

1. Tap **Start > Programs > Application > JETCET PRINT 5**.

2. Tap **Add USB Direct Printer**.

3. Enter the printer name in the **Printer Nickname** text box.

4. Tap **Yes** to print a text page.

5. Tap **Finish**.

To print using **Jetcet Print**:

1. Tap **Start > Programs > Application > JETCET PRINT 5**.

2. Tap **Menu > Go to**.

3. Tap 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. Tap the file you want to print and then tap **Print**.

📝 **NOTE:**   To print an e-mail message, download the full message on your HP iPAQ before printing the message.

To update the drivers and change spool folder:

1. Tap **Start > Programs > Application > JETCET PRINT 5**.

2. Tap **Menu > Tools**.

3. Tap **Update Drivers** to update the drivers on your HP iPAQ and **Spool Folder** to change the location of the spool folder.

To view information about **Jetcet Print**:

▲ Tap **Menu > Help > About**

To close **Jetcet Print**:

▲ Tap **Menu > Exit**.

Microsoft® Office Mobile

Your HP iPAQ has Office Mobile programs installed on it to work with Microsoft® Office Word® Mobile, Microsoft® Office Excel® Mobile, Microsoft® Office PowerPoint® Mobile, and Microsoft® Office OneNote® Mobile files on your HP iPAQ. You can create and edit Word and Excel files, however, you can only view PowerPoint files.

Use Word Mobile

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

Use Word Mobile for these tasks:

- Edit word documents and templates.

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

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

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

- Create a document or edit an existing document.

- Format a document.

- Check spelling and count words in a document.

- Save, move, rename, or delete a document.

- Send a document through e-mail or Bluetooth.

Use Excel Mobile

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

Use Excel Mobile for these tasks:

- 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 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 row and column labels or other data visible as you scroll through a sheet.

To access **Excel Mobile**, tap **Start > Programs > 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 other options available in **Menu**:

- Paste cells using **Paste Special…**

- Clear the cell contents and the formats applied to cells.

- Insert cells, charts, symbols, and 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 worksheets and save, rename, or delete existing worksheets.

- Send a worksheet through e-mail or Bluetooth.

Use PowerPoint Mobile

Use **PowerPoint Mobile** to view slide show presentations.

Use PowerPoint Mobile for these tasks:

- Open a presentation from an e-mail message.

- Download a presentation from the Internet.

- Copy a presentation to your HP iPAQ storage card.

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

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**, tap **Start > Programs > Office Mobile > PowerPoint Mobile**.

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

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

Use OneNote Mobile

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

Use OneNote Mobile for these tasks:

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

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

The following options are available when you tap **Menu**:

- 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 program to another.
- Format the text inserted in a note.
- Add a numbered or bulleted list in a note.
- Insert pictures using the camera or from the HP iPAQ.
- Insert a voice recording in a note.

Notes

You can store information in the form of notes on your HP iPAQ.

Write a note

To write a note:

1. Tap **Start > Programs > Notes**.
2. Tap **New**.
3. Write your text on the screen using the keyboard.
4. When finished, tap **ok** to return to the note list.

To select handwritten text, tap and hold next to the writing. As soon as dots appear and before they form a complete circle, quickly drag across the writing.

If a letter crosses three ruled lines, it is treated as a drawing rather than text.

Voice notes

The notes program allows you to record, keep, and send audio notes or memos. You can create a stand-alone recording, which is recording a note without actually writing it, or you can add a recording to a note.

Create voice notes

You can create stand-alone recording (voice note) or add a recording to a note using the notes program.

To create a stand-alone recording (voice note):

1. Tap **Start > Programs > Notes**.

2. From the note list, tap the ● (Record) icon.

    📝 **NOTE:** If the **Recording** toolbar does not appear, tap **Menu > View Recording Toolbar**.

3. Speak into the microphone.

4. When you have finished recording the note, tap the ■ (Stop) icon on the **Recording** toolbar.

5. Tap **ok**.

To add a recording to a note:

1. Tap **Start > Programs > Notes**.

2. Create or open a note, and then tap the ● (Record) icon.

    📝 **NOTE:** If the **Recording** toolbar does not appear, tap **Menu > View Recording Toolbar**.

3. Speak into the microphone.

4. When you have finished recording the note, tap the ■ (Stop) icon on the **Recording** toolbar.

5. Tap **ok**.

📝 **NOTE:** If you are recording in an open note, the ◄ (Voice Note) icon is displayed in the note. If you are creating a stand-alone recording, the ◌ (Recorded Voice Note) icon is displayed next to the note in the note list.

You can also create a voice note using the **HP Photosmart Mobile** program and attach the note to a picture.

Delete voice notes

To delete a stand-alone recording voice note:

1. Tap **Start > Programs > Notes**.

2. From the note list, tap and hold the note.

3. Tap **Delete**.

4. Tap **Yes**.

To delete a recording within a note:

1. Tap **Start > Programs > Notes**.

2. Open a note.

3. Select the ◄ (Voice Note) icon. To select the icon, tap and hold next to the icon. As soon as dots appear and before they form a complete circle, quickly drag across the icon.

4. Tap and hold the ◄ (Voice Note) icon.

5. Tap **Clear**.

Listen to voice notes

To listen to voice notes:

1. Tap **Start > Programs > Notes**.

2. Tap the ⏵ (Recorded voice note) icon to hear the note.

Rename voice notes

To rename voice notes:

1. Tap **Start > Programs > Notes**.

2. Tap and hold the note to rename.

3. Tap **Rename/Move**.

4. Enter the new name in the **Name** box.

5. Tap **ok**.

Create a copy of a note

To create a copy of a note:

1. Tap **Start > Programs > Notes**.

2. Open the note you want to copy.

3. Select the text on the screen, tap **Menu > Copy**.

4. Open the required note from the note list or a new note to which the selected content is to be copied.

5. Tap **Menu > Paste**.

6. Tap **ok**.

If you paste the contents in a new note, a copy of the note displays in the note list.

☼ **TIP:** You can also tap and hold a note and select **Create Copy** to copy a note.

Take notes during a call

To create a note during a call:

1. During a call, tap **Menu > Create Note**.

2. Enter your text.

3. Tap **ok**.

To access a note you created during a call:

1. Press the ▭ (Answer/Send) key.

2. On the **Dialer** screen, tap **Call History**.

3. Tap and hold the name or number for the phone call entry containing the note.

4. Tap **View Note**.

A note created during a call can also be accessed from the **Notes** program. The note title is the contact name or the phone number you were connected to when writing the note.

Opera browser

Use the Opera browser to view Web pages on your HP iPAQ. Surf the Web to search for information, check your e-mail messages online, and download software to your HP iPAQ. The Opera browser has a tabbed window feature that can be used to simultaneously navigate multiple Web pages.

To launch the browser, Tap **Start > Programs > Opera Browser**.

To browse Web pages:

- To go to the home page tap the ⌂ (Home) icon.

  📝 **NOTE:** To set the home page, tap ︿ **> Settings > Start Page**.

- To navigate to a Web site, enter a Web address in the address bar and press the ▣ (Enter) key on your keyboard.

- To open a bookmark, tap ★ and tap the bookmark from the displayed list.

- To navigate to the previous Web page, tap ◄.

To use the tab feature:

- To open a new tab, tap ▥ **> New Tab**.

- To switch tabs, tap ▥ and tap the tab name.

- To close an open tab, open the tab and tap ▣.

To work with the browser:

- To view and navigate within a Web page in the full screen mode, tap the stylus on the screen and drag it in the direction you want to scroll.

- To return to the normal mode, tap ◩.

- To adjust settings, tap ︿ **> Settings** and select the required settings.

- To manage downloads, tap ︿ **> Downloads**.

- To view information about the current Web page, tap ︿ **> Page Info**.

- To view history, tap ︿ **> History**.

- To view saved pages, tap ︿ **> Saved Pages**.

- To view help, tap ︿ **> Help**.

To close the browser, tap ︿ **> Exit**.

Pocket Internet Explorer

Use the **Pocket Internet Explorer** program to view and download Web pages, browse Web sites through synchronization, and connect to the Internet. Store the Web pages you frequently visit in your **Favourites** page.

To open a link using the **Favourites** page:

1. Tap **Start > Programs > Internet Explorer** to open **Pocket Internet Explorer**.

2. Tap **Favorites** and tap to open the required link.

3. Tap **Menu > Favorites…** to list all your favorite sites and tap **Menu > Add To Favorites…** to add a URL to your favorites list.

4. Tap **Menu > Tools > History…** to display the history.

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

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

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

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. Tap **Start > Programs > Application > 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.

4. Tap **Connect**.

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

📝 **NOTE:**   After you connect to a terminal server, tap the **Full Screen** option to view the program in the full screen mode.

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

To disconnect from a Terminal Server:

▲   Tap **Disconnect**.

Search

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

To search for files:

1. Tap **Start > Programs > Search**.

2. Enter the complete or a part of file name in the **Search for** text box.

3. Select a criteria from the **Type** list.

4. Tap **Search**.

5. Tap a file from the search result to open it.

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, tap **Start > Programs > Application > SIM Manager**.

You can manage your contacts using the SIM Manager.

- To create a contact, tap **New**.

- To view contact details, select the contact, and then tap **Options > Open**.

- To edit contact details, select the contact, and then tap **Options > Edit**.

- To delete a contact, select the contact, tap **Options > Delete**, and then tap **Yes**.

- To select all contacts, tap **Options > Select All**.

- To copy a contact to the phone, select the contact, and then tap **Options > Copy to Contacts**.

- To copy all contacts from the phone to the SIM/USIM, tap **Options > Select All** then tap **Options > Copy to Contacts**.

- To call a contact, select the contact, and then tap **Options > Dial Selected**. If more than one number exists for a contact, select the required number, and then tap **Options > Dial Selected**.

- To send a message to a contact, select the contact, and then tap **Options > New Message**.

- To store your personal mobile number on the SIM/USIM tap **Options > My Mobile Numbers**.

- To close SIM Manager, tap **Options > Quit**.

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, tap **Start > Programs > Task Manager**.

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

NOTE: You might not see all programs that are running. Some might be running in the background and consuming processor speed and memory space.

Vodafone Live

Vodafone Live is a communication and multimedia portal to access services and programs for your handheld device. You can access and download a range of games, ringtones, and other information from this portal. You can also download music, sports and news broadcasts, and access information such as flight details and driving instructions. Tap **Start > Programs > Vodafone Live!** to view the portal in your Web browser.

Voice Commander

Use the **Voice Commander** program to look up contacts, dial a contact by name, get calendar information, play and control your music, as well as launch programs on your HP iPAQ.

☼ **TIP:** You can access the **Voice Commander** program by tapping **Start > Programs > Application > 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
Compose a message or e-mail	**Compose <SMS/email> To (Contact)**
Read messages or e-mails	**Read <SMS/email>**
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 a program	**Start** followed by the program name
Play, pause, and/or 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 program	**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 of the Windows Live on your computer.

Use Windows Live for these tasks:

● Search information on the Web.

● Send and receive e-mails.

● Send and receive instant messages.

● Change your own status or view the status of others on your list.

● Invite others for a chat conversation.

● Block certain contacts from seeing your status or sending you messages.

Tap **Start > Programs > Application > Windows Live** to open the Windows Live program.

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

To sign in Windows Live:

1. Tap **Start > Programs > Application > Windows Live**.

2. Tap **Sign in to Windows Live**.

3. Tap **Accept**.

4. Enter your e-mail address in the **E-mail address** box.

5. Select a Web server from the list.

6. Enter your password.

7. Tap **Next**.

8. Tap **Next**.

9. Select the **Sync e-mail** check box.

10. Tap **Next**.

11. Tap **Done**.

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

To search information:

1. From the **Today** screen, tap **Live Search**.

2. Enter the text for the search.

3. Press the ▣ (enter) key on your keyboard.

To check your e-mails:

1. From the **Today** screen, tap the right or left arrow on the **Windows Live Services** bar until your e-mail account is displayed.

2. Tap the e-mail message to open your Inbox.

To sign in to Messenger:

1. From the **Today** screen, tap the right or left arrow on the **Windows Live Services** bar till **Messenger** is displayed.

2. Tap **Tap here to sign in**.

3. Use the list to select your online status.

4. Tap **Sign in**.

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

● User ends the instant messenger session

● User accepts an incoming voice call

● An outgoing voice call is placed

● The HP iPAQ is turned off or moves out of range

To sign out of Messenger:

▲ Tap **Menu > Sign out**.

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

1. Tap the person to whom you want to send an instant message.

2. Enter your message, and tap **Send**.

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

● Tap **Menu > Add new contacts** to create a contact.

● Tap **Menu > Contact options > Remove contact** to delete an existing contact.

● Tap **Menu > Contact options > Block contact/Unblock contact** to block or unblock the selected contact from seeing your status and sending you instant messages.

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

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

1. Tap and select your name in the contact list.

2. Tap **Menu > Change status**, and navigate to select the required status.

To sign in as a different user:

1. From the **Today** screen, tap the right or left arrow on the **Windows Live Services** bar till **Windows Live** is displayed.

2. Tap your display name.

3. Tap **Menu > Account Options > Switch Windows Live ID**.

4. Tap **Yes**.

5. Proceed with the setup wizard to sign in.

Windows Media Player

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

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

To play music from the storage card, tap **Start > Programs > Media > Windows Media > Menu > Library...**

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

Clear the Now Playing List

Tap **Start > Programs > Media > 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 for future play. You can quickly remove all items from the playlist by clearing the **Now Playing** playlist.

To clear the **Now Playing** list:

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

Update the library

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

To update a library:

1. If you are not already on the **Library** screen, tap **Menu > Library…**

2. On the **Library** screen, tap **Menu > Update Library…**

3. Wait for the files to be added, and then tap **Done**.

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 program to download them from the Internet and install them on your HP iPAQ.

NOTE: The program uses your data connection and your service provider might charge you for using this service.

To set up Windows Update:

1. Tap **Start > Settings > System > Windows Update**.

2. Follow the on-screen instructions.

3. Tap **Finish**.

NOTE: You can access and change the settings selected from **Menu > Change Schedule**.

To update using Windows Update:

1. Tap **Start > Settings > System > Windows Update**.

2. Tap **Check Now**.