
Additional Product Information

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Powering On Phone Functions

To power on phone functions:

1. On the **Today** screen, tap **iPAQ Wireless**.
2. Tap the **Phone** tab, and then tap **Status: Off** to activate the phone radio.
3. Once the phone radio is on, press the green **Answer/Send** button on the keyboard to access the on-screen phone keypad or to answer or send a call.

Muting a Call

During a call, you can mute your microphone so that the person with whom you are speaking cannot hear you, but you can still hear him or her.

From the on-screen phone keypad, tap **Mute**.

Putting a Call on Hold

During a call, you can put the call on hold so you can call another number or answer an incoming

call. If you have more than one call on the line, you can switch between calls.

1. To put a call on hold, tap **Hold**.
2. To switch between calls, tap **Swap**.

Changing Phone Service Settings

Once your phone service is set up through your mobile phone service provider, you can change service settings on your HP iPAQ. For example, you may want to block certain types of incoming and/or outgoing calls, forward incoming calls to a different phone number based on your situation, be notified of incoming calls when you are already in a phone session, or let others know your identity when making calls.

To change service settings on the phone:

1. Press the green **Answer/Send** button.
2. From the on-screen phone keypad, tap **Menu > Options > Services** tab.
3. Tap the service you want to change, and then tap the **Get Settings** button.
4. Make your changes and tap **OK**.

Forwarding Calls

Use call forwarding to forward incoming calls to a designated phone number.

1. From the on-screen phone keypad, tap **Menu > Options > Services** tab.
2. Tap **Call Forwarding > Get Settings** button.
3. Select the **Forward all incoming phone calls** check box.
4. Enter the phone number that is to receive the forwarded calls.

You can also use call forwarding to forward incoming calls for specific situations. For example:

- ? Select the **No answer** check box to forward calls when you cannot answer the phone.
- ? Select the **Unavailable** check box to forward calls when the phone is off.
- ? Select the **Busy** check box to forward calls when the line is busy.

Blocking Calls

Use call barring to block certain types of calls.

1. From the on-screen phone keypad, tap **Menu > Options > Services** tab.
2. Tap **Call Barring > Get Settings**.
3. Select the type of calls you want to block.

Entering Voice Mail Or Text Messages Phone Number

To use voice mail or send text messages (SMS), you **must** enter the correct voice mail or text message phone number in Phone settings.



NOTE Sending text messages is not included in all network service plans. Ask your mobile service provider if your plan includes this service.

To set up phone numbers:

1. Press the green **Answer/Send** button.
2. From the on-screen keypad, tap **Menu > Options > Services** tab.
3. Tap **Voice Mail and Text Messages > Get Settings** button.
4. Enter the voice mail or text message phone number in the appropriate box.
5. Tap **OK**.

Checking Connection and Signal Strength

When you insert your Subscriber Identity Module (SIM) card into your HP iPAQ, your unit automatically connects to your mobile phone service provider's network.

The Phone icon  indicates that you are connected. The more vertical bars  in the icon, the better the connection.

Making a Conference Call

To make a conference call with two or more people:

1. Tap the green **Answer/Send** button on the keyboard.
2. From the on-screen phone keypad, dial the first number.

3. Tap **Talk**.
4. Once you are connected, tap **Hold**.
5. Dial the second number.
6. Once you are connected, tap **Menu > Conference**.

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

Managing Calls Using Call History

Call History provides the time and duration of all incoming, outgoing, and missed calls, and a summary of total calls. Call History also provides easy access to notes taken during a call.

- ? To view Call History, from the on-screen phone keypad, tap **Call History**.
- ? To change the Call History view, tap **Menu > Filter** and select a different view. When filtering **By Caller**, you see a list of all contacts on your unit who have a phone number assigned to them.
- ? To reset the Recent Calls counter, tap **Menu > Call Timers > Reset**.

NOTE The **All Calls** counter cannot be reset.

- ? To delete Call History items older than a specific amount of time, tap **Menu > Call Timers**, and under **Delete call history items older than**, select a time period.
- ? To clear the entire Call History, tap **Menu > Delete All Calls**.

NOTE To quickly see the time, date, and duration of a call, tap the white area of the call's entry.

Making a Call From Call History

Use Call History to quickly call someone recently called or someone who recently called you.

To make a call from Call History:

1. Tap the green **Answer/Send** button on the keyboard.
2. Tap **Call History**.
3. Tap the icon next to the desired number.

Locking and Unlocking The Phone

To lock the phone:

1. Press the green **Answer/Send** button on the keyboard.
2. Tap **Menu > Options** using the on-screen keypad.
3. Select the **Require PIN when phone is used** check box.
4. Tap **Change PIN**.
5. Enter a Personal Identification Number (PIN) and press **Enter**.
6. Reenter new PIN for confirmation and press **Enter** for verification.

To unlock the phone:

1. Enter the PIN to access your device.
2. Press the green **Answer/Send** button on the keyboard.
3. Tap **Menu > Options** on the on-screen keypad.
4. Uncheck the **Require PIN when phone is used** check box and tap **OK**.

NOTE You can place an emergency call at anytime, without requiring a PIN.

Changing the Current Profile

HP Profiles allows you to quickly switch between settings that you need to change based on your environment. For example, anytime you enter a meeting, you can simply switch to Meeting Profile in order to turn off all sounds, turn on the vibrate notification, and increase the brightness of the screen. The current profile displays on the **Today** screen.

To change the current profile:

1. On the **Today** screen, tap **HP Profiles**.
2. Select the desired profile from the pop-up menu.

Changing the Ringer Volume

To change the ringer volume to suit your situation and environment:

1. On the Navigation bar at the top of the **Today** screen, tap the **Speaker** icon.
2. Under the Phone icon, move the slider to the desired volume level.

NOTE Select **On**, **Vibrate**, or **Off** to quickly change both the ringer and system volume

settings. For an alternate method, press the volume control button on the side of the HP iPAQ.

Taking Notes During A Call

To create a note during a call:

1. From the phone keypad, tap **Note**.
2. Enter your text.

To access a note you created during a call:

1. Tap **Call History** on the on-screen phone keypad.
2. Tap and hold the name or number for the phone call entry containing the note.
3. Tap **View Note**.

Making a Call By Entering a Contact Name

To place a call using a Contact name:

1. Press the green **Answer/Send** button.
2. Tap **Contacts**.
3. Select the person you want to call.
4. Tap the phone number of the party.
5. Tap **Call**.

Making a Call From a Hyperlink Phone Number

Use a hyperlinked phone number to quickly dial a phone number from an e-mail or text message. A hyperlinked phone number is underlined in the same manner as a web site address.

From an e-mail or text message containing a hyperlinked phone number:

1. Tap the phone number.
2. Tap **Yes** to dial the number.

Changing Phone Network Settings

In Phone network settings, you can:

- ? View available wireless phone networks
- ? Determine the order in which your phone accesses other phone networks (if the current one is unavailable)
- ? Specify whether you want to change networks manually or automatically

To change network settings:

1. Tap **Start > Settings > Phone > Network** tab.
2. Select the network setting option(s) you want to change.

To change network settings from the on-screen phone keypad:

1. Tap **Menu > Options > Network** tab.
2. Select the network setting option(s) you want to change.

NOTE The current phone network your HP iPAQ is using is listed at the top of the screen and remains active until you change it, lose your signal, or change your SIM.

Manually Selecting a Phone Network

Sometimes you want to control costs by knowing when connectivity for your current, selected network is unavailable. To manually select a different wireless phone network to use:

1. From the on-screen phone keypad, tap **Menu > Options > Network** tab.
2. In the **Network selection** list, tap **Manual**.
3. Select the network you want to use and tap **OK**.
4. If your current network is unavailable, tap **Select**, and manually select a different network.

Viewing Available Phone Networks

To view all wireless phone networks available to you:

1. From the phone keypad, tap **Menu > Options > Network** tab.

2. In the **Network selection** list, tap **Manual**.
3. Select an available network.
4. Tap **OK**.

Setting Preferred Networks

You can set preferred phone networks in the order you want your HP iPAQ to access them. For example, if your first preferred network is unavailable, your HP iPAQ tries to access your second preferred phone network.

To select a preferred network:

1. From the on-screen phone keypad, tap **Menu > Options > Network** tab.
2. Tap the **Set Networks** button and select your preferred networks.
3. Set the network preference order by tapping the **Move Up** or **Move Down** buttons.
4. Tap **OK**.
5. In the **Network** tab, tap the **Network selection** list.
6. Tap **Automatic**.

Limiting Calls to Specific Area Codes or Phone Numbers

To use Fixed Dialing to limit calls to specific area codes or phone numbers:

1. Press the green **Answer/Send** button.
2. Tap **Menu > Options > Services** tab.
3. Tap **Fixed Dialing > Get Settings** button.
4. Select the **Enable fixed dialing** check box.
5. Tap and hold in the **Number patterns** box.
6. Tap **Add**.
7. Enter the phone number(s) and/or area code(s) in which you would like to limit the phone usage.
8. Tap **Done** when you are finished.

Inserting an International Country Code

To make an international call, you must include a country code before the phone number.

To insert a country code:

1. On the on-screen phone keypad, press and hold **0** until the plus (+) sign appears.
2. Enter the country code and phone number.

NOTE

You can also insert a plus (+) sign into a Contact's phone number for faster dialing.

Automatic Frequency Band Selection

Your HP iPAQ has an integrated GSM/GPRS/EDGE feature that supports four different frequency bands for international roaming. When traveling, between countries and/or wireless network operators, this feature changes the connection settings by generating an automatic search for frequency bands when your home bands are not available. This feature is the default setting on the unit.

Copying a Contact From a SIM to a Device

When using a Subscriber Identity Module (SIM) card in multiple units, use SIM Manager to copy contacts from the SIM to the new device.

1. Tap **Start > Programs > SIM Manager**.
2. Select the contact or contacts to copy.
3. Tap **Tools > Copy to Contacts**.
4. Tap **Start > Contacts** and search for the added contacts to verify you copied the contacts to the device.

Creating a Voice Note

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

1. Tap **Start > Programs > Notes**.
2. Do one of the following:
 - ? To create a stand-alone recording, record from the note list.
 - ? To add a recording to a note, create or open a note.

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

3. Tap the **Record** button.
4. Speak into the microphone located at the bottom of the unit.
5. When finished recording the note, tap the **Stop** button on the Recording Toolbar.
6. When finished, tap **OK** to return to the note list.

NOTE If recording in an open note, an icon appears in the note. If creating a stand-alone recording, an icon appears in the note list.

Deleting a Voice Note

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**.

To delete a recording within a note:

1. Tap **Start > Programs > Notes**.
2. Open a note.
3. Tap and hold the voice note.
4. Tap **Clear**.

Listening to a Voice Note

To listen to a voice note:

1. Tap **Start > Programs > Notes**.
2. Tap the speaker icon to hear the note.

Renaming a Voice Note

To rename a voice note:

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**.

Viewing Call Timers

To view call counter information:

1. Press the green **Answer/Send** button.
2. Tap **Call History > Menu > Call Timers**.

Resetting Call Timers

To reset the call counter information:

1. Press the green **Answer/Send** button to access the on-screen phone keypad.
2. Tap **Call History > Menu > Call Timers**.
3. Tap the **Reset** button.
4. Tap **OK**.

NOTE The **All Calls** counter cannot be reset.

Viewing Details About a Call

To view details about a phone call:

1. From the on-screen phone keypad, tap **Call History**.
2. Tap the phone number in which you want to view the details.

The date and timestamp as well as the duration of the call is shown.

Managing GPS Automatically

Microsoft Windows Mobile 5.0 automatically manages access to your GPS receiver to allow multiple programs to simultaneously access GPS data. Always allow for the operating system to manage GPS automatically. Otherwise, only one program, at a time, can access the GPS receiver located in your unit.

1. Tap **Start** > **Settings** > **System** tab > **GPS**.
2. Tap **Access** tab.
3. Select the **Manage GPS automatically** check box.
4. Tap **OK**.

NOTE Some programs may need direct access to the GPS receiver. For these programs, do not select this option.

Selecting A GPS Program Port

Programs that use GPS need to know which port to use to access GPS data.

NOTE If no program port is specified, many GPS-enabled programs will not be able to access GPS information.

To specify a GPS program port:

1. Tap **Start** > **Settings** > **System** tab > **GPS**.
2. Tap the **Programs** tab.
3. Tap the **GPS program port** list.
4. Select the GPS program port to be used.
5. Tap **OK**.

NOTE The program port must be a different from the hardware port. Also, ensure you select this port in the GPS program's configuration settings.

Specifying the Hardware Port for a GPS Receiver

Microsoft Windows Mobile 5.0 automatically detects some GPS receivers and configures the appropriate hardware settings. If your GPS receiver has not been automatically configured, you must specify its hardware port and baud rate.

To specify the GPS hardware port and baud rate:

1. Tap **Start** > **Settings** > **System** tab > **GPS**.
2. Tap **Hardware** tab.
3. Tap the **GPS hardware port** list and select **COM7**. Your GPS receiver is connected to this port.

NOTE The GPS hardware port must be different from the GPS program port.

4. Tap the **Baud rate** list.
5. Select **57600** or higher for the baud rate for your GPS receiver.
6. Tap **OK**.

Connections

- [Connections](#)
- [Wi-Fi](#)
- [Bluetooth](#)
- [Infrared](#)

Connections

You can use your HP iPAQ to connect to and exchange information with other handheld devices, your computer, various network types, or the Internet. There are several ways to get connected, including:

- ? Infrared (Beam)
- ? Bluetooth
- ? Wi-Fi

All these connection types can be accessed by tapping **Start** > **Settings** > **Connections** tab.

Wi-Fi

This section provides information about the following topics:

- [Wi-Fi](#)
- [Logging on to Network Services](#)
- [Setting Up an Automatic Choice for Connections](#)
- [Connecting to Intranet URLs](#)
- [Ending a Connection](#)
- [Wi-Fi Advanced Network Settings](#)

- [Wi-Fi Security Protocol Utilities](#)

Wi-Fi

With wireless access, you do not need to use cables to connect your HP iPAQ to the Internet. Instead, access points transmit data to and from your wireless device. Your HP iPAQ can connect to an 802.11b WLAN or connect directly to other WLAN-enabled devices. With Wi-Fi, you can:

- ? Access the Internet
- ? Send and receive e-mail
- ? Access corporate network information
- ? Use virtual private networks (VPNs) for secure remote access
- ? Use hotspots for wireless connectivity

From the **Today** screen, tap **iPAQ Wireless** to access the Wi-Fi features.

NOTE

Use of dial-up and wireless Internet, e-mail, corporate networks, and other wireless communications, such as Bluetooth devices, may require separately purchased additional hardware and other compatible equipment, in addition to a standard Wi-Fi infrastructure and a separately purchased service contract. Check with your service provider for availability and coverage in your area. Not all web content may be available. Some web content may require installation of additional software.

Logging on to Network Services

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

- ? user name
- ? password
- ? domain

To log on to a network service:

1. Enter your user name, password, and domain.
2. To save your password so that you can be prompted each time you connect, select the **Save password** check box.

Setting 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.

1. Tap **Start > Settings > Connections** tab > **Connections**.
2. Under **My ISP** or **My Work Network**, tap **Manage existing connections**.
3. Tap **Auto pick**.

Connecting to Intranet URLs

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

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

NOTE

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

Ending a Connection

It can be useful to end a connection when you are done using it. This frees resources on your HP iPAQ and can save connection charges.

- ? When connected via a modem or VPN, tap **Connections** icon > **Disconnect**.
- ? When connected via a cable or cradle, detach your device from the cable or cradle.
- ? When connected via infrared or Bluetooth, move the HP iPAQ away from the other computer or device.
- ? When connected via a network (Ethernet) card, remove the card from your device.

Wi-Fi Advanced Network Settings

This section provides information about the following topics:

- [Setting Up Proxy Server Settings](#)
- [Configuring Advanced Proxy Settings](#)
- [Setting Up a VPN Server Connection](#)
- [Changing a Connection Group Name](#)
- [Changing an Intranet URL](#)

Setting Up Proxy Server Settings

If you are connected to your Internet Service Provider (ISP) or private network during synchronization, your device should download proper proxy settings during synchronization from your computer. If these settings are not on your computer or need to be changed, you can change them manually.

Before you begin, obtain the following information from your Internet Service Provider (ISP) or network administrator:

- ? user name
- ? password
- ? server type
- ? proxy server name
- ? port
- ? type of Socks protocol used

To set up proxy server settings:

1. Tap **Start > Settings > Connections** tab > **Connections**.
2. If a proxy server has not been set up, tap **Set up my proxy server**. Otherwise, tap **Edit my proxy server**, select the desired proxy server, and tap **Settings**.
3. Select the **This network connects to the Internet** and **This network uses a proxy server to connect to the Internet** check boxes.
4. In the **Proxy server** box, enter the proxy server name.
5. To change such settings as port number or proxy server type, tap **Advanced** and change desired settings.

NOTE

To manually start a connection, tap and hold the connection, then tap **Connect**.

To delete a connection, tap and hold the connection you want to remove, then tap **Delete**.

Configuring Advanced Proxy Settings

1. For the appropriate server type, enter the proxy server name and port.
2. If necessary, enter the credentials for connecting with your proxy server.
3. If you are configuring a Socks proxy, select **Socks 4** or **Socks 5**. If using Socks 5, enter the credentials for connecting with your proxy server.

Setting Up a VPN Server Connection

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

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

- ? user name
- ? password
- ? domain name
- ? TCP/IP settings
- ? host name or IP address of the VPN server

To set up a VPN server connection:

1. Tap **Start > Settings > Connections** tab > **Connections**.
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 need to change any advanced settings. However, you must change advanced settings when:
 - ? The server to which you are connecting does not use dynamically-assigned addresses, and you need to enter your TCP/IP settings.
 - ? You need to change server DNS or WINS settings.

If either of these circumstances applies, from the **My VPN** screen, tap the **Advanced** button 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 the **Help** question mark.

NOTE

To change existing settings, under **My Work Network**, tap **Manage existing connections > VPN** tab. Select the desired VPN connection, tap **Edit**, then follow the instructions on the screen.

To manually start a connection, tap and hold the connection, then tap **Connect**.

To delete a connection, tap and hold the connection you want to remove, then tap **Delete**.

Changing a Connection Group Name

Your device is already set up with two groups of connection settings: My ISP and My Work Network. You can change the name of these groups to something more meaningful. For example, if you put all of your corporate settings under My Work Network connections, you can change the name to your company's name.

1. Tap **Start > Settings > Connections** tab > **Connections**.
2. Under **My ISP** or **My Work Network**, tap **Manage Existing Connections**.
3. Tap the **General** tab.
4. Enter a name for the settings group.

Changing an Intranet URL

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

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

Wi-Fi Security Protocol Utilities

This section provides information about the following topics:

- [Configuring Network Security Settings](#)
- [Configuring 802.1x Authentication Settings](#)

Configuring Network Security Settings

A wireless network can be added when the network is automatically detected. Or, you can manually enter the settings information to add the network. Before doing these steps, determine if authentication information is needed.

NOTE Before configuring a Wi-Fi network, make sure you turn on your Wi-Fi radio by tapping **iPAQ Wireless** on the **Today** screen, then **Wi-Fi**.

1. To manually enter information, tap **Start > Settings > Connections** tab > **Network Cards > Wireless** tab.
2. In **Wireless networks**, select the network you want to configure.
3. To use authentication, tap the **Network Key** tab and select the authentication method from the **Authentication** list.
4. To use data encryption, select an encryption method from the **Data encryption** list.
5. To automatically use a network key, tap **The key is automatically provided**. Otherwise, enter the network key.

Configuring 802.1x Authentication Settings

Before performing these steps, determine if authentication information is needed.

1. To manually enter information, tap **Start > Settings > Connections** tab > **Network Cards > Wireless** tab.
2. In **Wireless networks**, select the network you want to configure.
3. For increased security, tap **802.1X** tab > **Use IEEE 802.1x network access control**. Then select the appropriate EAP type.

Bluetooth

This section provides information about the following topics:

- [Working with Bluetooth Manager](#)
- [Connecting to a Computer via Bluetooth](#)
- [Bluetooth Device Profiles](#)
- [Creating, Ending, and Accepting a Bluetooth Partnership](#)
- [Pairing and Unpairing Devices](#)
- [Making a Device Discoverable](#)
- [Opening Bluetooth Settings](#)
- [Opening Bluetooth Settings](#)
- [Requiring Authorization to Access Services](#)
- [Requiring a Passkey or Bond](#)
- [Setting a Bluetooth Shared Folder](#)
- [Setting Up an Incoming or Outgoing Bluetooth COM Port](#)

Working with Bluetooth Manager

Use Bluetooth Manager to:

- ? Establish connections
- ? Exchange business cards
- ? Display shortcuts

To access Bluetooth Manager:

1. From the **Today** screen, tap the **iPAQ Wireless** icon.
2. Tap the **Bluetooth** icon to turn Bluetooth on.
3. Tap the **Bluetooth** tab > **Bluetooth Connections**. The first screen that displays is **My Shortcuts**.

When you are required to locate a device and connect to it, the Bluetooth browser searches for other Bluetooth devices.

Connecting to a Computer via Bluetooth

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

1. Follow the instructions in ActiveSync Help on the computer for configuring Bluetooth on your computer to support ActiveSync.
2. On the HP iPAQ, tap **Start > Programs > ActiveSync**.
3. Tap **Menu > Connect via Bluetooth**. Make sure the device and computer are within close range.
4. If this is the first time you have connected to this computer via Bluetooth, complete the Bluetooth wizard on the HP iPAQ and set up a Bluetooth partnership with the computer.
5. Tap **Sync**.
6. When finished, tap **Menu > Disconnect Bluetooth**.
7. To preserve battery power, turn off Bluetooth.

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—Uses SPP to connect to ActiveSync on a computer
- ? Advanced Audio Distribution Profile (A2DP)
- ? Audio Video Remote Control Profile (AVRCP)
- ? Basic Imaging Profile (BIP)
- ? Basic Printer profile (BPP)
- ? Dial-up Networking (DUN)
- ? File Transfer Protocol (FTP)
- ? Generic Access Profile (GAP)
- ? Hands Free Profile (HFP)
- ? Headset Support Profile (HSP)
- ? Human Interface Device Profile (HID)
- ? LAN Access Profile (LAP)
- ? Object Exchange (OBEX) Protocol
- ? Object Push Protocol (OPP)
- ? Personal Area Network (PAN)
- ? Serial Port Profile (SPP)
- ? Service Discovery Application Profile (SDAP)

Creating, Ending, and Accepting a Bluetooth Partnership

You can create a partnership between your HP iPAQ and another device that has Bluetooth capabilities. Once you do this, the devices must have Bluetooth turned on but do not need to be discoverable for you to exchange information between them.

1. Be sure the two devices are turned on, discoverable, and within close range.
2. Tap **Start > Settings > Connections** tab.
3. Tap **Bluetooth > Devices** tab > **New Partnership**. Your HP iPAQ searches for other devices with Bluetooth capabilities and displays them in the list.
4. Tap the name of the other device, and tap **Next**.
5. In **Passkey**, if you want to use a passkey (recommended for enhanced security), enter an alphanumeric passkey between 1 and 16 characters, and tap **Next**. Otherwise, leave the **Passkey** field blank and tap **Next**.
6. Enter the same passkey on the other device.
7. To give the partnership a more meaningful name, change the name of the device in **Name**.
8. Tap **Finish**.

To end a Bluetooth Partnership:

1. Tap **Start** > **Settings** > **Connections** tab.
2. Tap **Bluetooth** > **Devices** tab.
3. Tap and hold the partnership you want to end.
4. Tap **Delete**.

To accept a Bluetooth Partnership:

1. Be sure your device is turned on, discoverable, and within close range.
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**, and tap **Next**. Enter the same passkey in the device requesting the partnership. Using a passkey provides greater security.
4. To give the partnership a more meaningful name, change the name of the device in **Name**.
5. Tap **Finish**.

If you cannot discover another device, try the following:

- ? Be sure Bluetooth is turned on.
- ? Move closer to the device.
- ? Be sure the device you are attempting to connect to is on and allows access to being discovered by other devices.

Pairing and Unpairing Devices

You can pair devices so they must exchange a computer generated security key prior to each connection. The security key is generated from a unique Bluetooth device address, a random number, and a user-defined password.

After two devices are paired, they have a trusted relationship with each other. You do not need to give any additional input. Without giving constant authorization, your connections and activities can then be performed between the paired devices.

To pair devices:

1. From the **Today** screen, tap **iPAQ Wireless**.
2. Tap the **Bluetooth** icon to turn on Bluetooth.
3. Tap the **Bluetooth** tab > **Bluetooth Connections** > **Menu** > **Paired devices**.
4. Tap **Add**.
5. Tap **Lookup** icon.
6. Tap a device.
7. Enter a password in the **Passkey** field.
8. Tap **OK**.
9. Enter the same password into the other device.

NOTE Some devices, such as mobile phones, need to be placed in a mode to accept a bond from another device. Refer to that device's user instructions for more information.

If you can see other devices, but you cannot connect or exchange data with them, try the following:

- ? Be sure the other device has not restricted your access.
- ? Try initiating pairing from the other device. Some Bluetooth devices can only initiate pairing and cannot respond to pairing requests from other devices.

If other devices cannot find or connect to your HP iPAQ, try the following:

- ? Be sure Bluetooth is turned on.
- ? Be sure you have not restricted other devices from finding yours.
- ? Check your Bluetooth settings to be sure you have allowed your device to be discovered and others to connect.

To remove a paired relationship between devices:

1. From the **Today** screen, tap **iPAQ Wireless**.
2. Be sure that Bluetooth is already on. If not, turn on Bluetooth.
3. Tap the **Bluetooth** tab > **Bluetooth Connections** > **Menu** > **Paired devices**.
4. Tap a device name.
5. Tap **Remove**.
6. Tap **Yes** to remove the pairing.

Making a Device Discoverable

When your HP iPAQ is discoverable, other devices with Bluetooth capabilities can detect, or "discover," your HP iPAQ and attempt to beam information to it, establish a partnership, or use a Bluetooth service.

1. Tap **Start** > **Settings** > **Connections** tab.
2. Tap **Bluetooth**.
3. Select the **Turn on Bluetooth** check box, then select the **Make this device discoverable to other devices** check box.

NOTE If you no longer want your HP iPAQ to be discoverable, clear the **Make this device discoverable to other devices** check box.

Opening Bluetooth Settings

1. From the **Today** screen, tap **iPAQ Wireless**.
2. Tap the **Bluetooth** icon to turn on Bluetooth.
3. Tap the **Bluetooth** tab > **Bluetooth Settings**.

Opening Bluetooth Settings

1. From the **Today** screen, tap **iPAQ Wireless**.
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3. Tap the **Bluetooth** tab > **Bluetooth Settings**.

Requiring Authorization to Access Services

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

To require authorization to access services:

1. From the **Today** screen, tap **iPAQ Wireless**.
2. Tap the **Bluetooth** icon to turn on Bluetooth.
3. Tap the **Bluetooth** tab > **Bluetooth Settings** > **Services** tab.
4. Tap the service you want to enable: **File Transfer**, **Information Exchange**, **Serial Port**, **Personal Network Server**, or **Audio Gateway**.
5. Select **Authorization required**.
6. Tap **OK**.

Requiring a Passkey or Bond

To establish a secure connection with another device, you can use the passkey feature or an established bond. You can also add data encryption to this type of security.

A passkey is a code you enter to authenticate connections requested by other devices. The passkey must be known and used by both parties or the connection will not be allowed.

To require a passkey or bond:

1. From the **Today** screen, tap **iPAQ Wireless**.

2. Tap the **Bluetooth** icon to turn on Bluetooth.
3. Tap the **Bluetooth** tab > **Bluetooth Settings** > **Services** tab.
4. Tap the service you want to enable: **File Transfer**, **Information Exchange**, **Serial Port**, **Personal Network Server**, **Hands free**, or **Dial-up Networking Server**.
5. Select **Authorization required** and **Authentication (Passkey) required** if you want more security.
6. Select **Encryption Required** if you want to require all data exchanged between the devices to be encrypted.
7. Tap **OK**.

Setting a Bluetooth Shared Folder

You can determine the folder that other devices access when they connect to your HP iPAQ.

To select a shared folder:

1. From the **Today** screen, tap **iPAQ Wireless**.
2. Tap the **Bluetooth** icon to turn on Bluetooth.
3. Tap the **Bluetooth** tab > **Bluetooth Settings** > **Services** tab.
4. Under **Services**, tap **File Transfer**.
5. Under **Service Settings**, select your preferred settings.
6. Tap the **Advanced** tab.
7. Tap the **Folder** icon and locate a desired file folder.
8. Tap **OK**.

Setting Up an Incoming or Outgoing Bluetooth COM Port

1. Be sure your HP iPAQ is connected to the other device via Bluetooth.
2. Tap **Start** > **Settings** > **Connections** tab.
3. Tap **Bluetooth** > **COM Ports** tab.
4. 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.

5. Select a numbered COM port from the list.

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

6. 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.

7. Tap **Finish**.

Infrared

This section provides information about the following topics:

- [Beaming an Item](#)
- [Receiving an Infrared Beam](#)
- [Synchronizing with the Infrared Connection](#)

Beaming an Item

In the Calendar, Contacts, Notes, Tasks, Excel Mobile, Word Mobile, and PowerPoint Mobile, you can beam files and information to other devices using infrared.

1. From the program, select the item you want to beam, such as an appointment in Calendar, a task in Tasks, a contact card in Contacts, or a file in File Manager.
2. Tap **Menu > Beam**.
3. Align the infrared (IR) ports at close range until the target device name appears, then tap the device to which you want to send the item.

CAUTION Files are saved automatically before they are beamed. If a Word document or Excel workbook was created on a computer, unsupported content and formatting may be lost when the files are saved.

NOTE If you want your HP iPAQ to detect or receive beams, tap **Start > Settings > Connections** tab > **Beam**, and select the **Receive all incoming beams** check box.

Receiving an Infrared Beam

If you set your HP iPAQ to receive all incoming infrared (IR) beams, it detects and notifies you of IR beams.

1. Tap **Start > Settings > Connections** tab > **Beam**.
2. Select the **Receive all incoming beams** check box.
3. Be sure your HP iPAQ is turned on and within close range of the device that is beaming the information.
4. When prompted to receive an incoming beam, tap **Yes** to receive the beamed information.

Synchronizing with the Infrared Connection

As an alternative to using the desktop cradle or autosync cable, you can synchronize your HP iPAQ and your computer using the infrared connection if you have an infrared port or an infrared USB adapter installed on your computer. The infrared connection option works only on computers that have Microsoft Windows 2000 or XP operating systems installed.

To set up an infrared connection to a computer:

1. Synchronize your HP iPAQ with your computer using the desktop cradle or autosync cable **before** the first time you establish an ActiveSync connection via infrared.
2. Follow your computer manufacturer's instructions to install and set up an infrared port.
3. Remove the HP iPAQ from the cradle or autosync cable and line up the infrared port with the computer infrared port so they are unobstructed and within 12 inches (30.5 cm) of each other.
4. Initiate a connection by tapping **Start > Programs > ActiveSync > Tools > Connect via IR**. Synchronization begins on your device.
5. To disconnect, move the devices away from each other or tap **X** in the upper right of the screen to turn off.

Global Positioning System (GPS)

- [Using the Quick GPS Connection Utility](#)
- [Downloading the Quick GPS Connection Data File](#)

Using the Quick GPS Connection Utility

To increase GPS satellite connection speed to the HP iPAQ, enable the HP iPAQ Quick GPS Connection Data Utility and download the latest data file. If you do not use this utility, it may take up to five minutes to update GPS locations.

The default settings on the utility are set where the device cannot receive automatic updates **unless** you enable the update feature.




To change the default settings:

1. Tap **Start > Settings > Connections** tab > **Quick GPS Connection** icon.
2. In the **Settings** tab, tap the check boxes to enable or disable the following settings:
 - ? Enable updates — Allows you to enable or completely disable the Quick GPS Connection capability. If you disable this option, the HP iPAQ no longer receives updates and the GPS start-up times take longer.

- ? Initiate GPRS Connection for updates — Allows wireless updates to your device.

NOTE



Since the GPS update files are small, you should be able to download them wirelessly with little impact to device performance.

- ? Show expiration reminders and warnings — Notifies you by notification when your satellite location file is out-of-date. If this setting is not enabled, notifications do not occur.
- ? Show tray icon on today screen — Displays the the Quick GPS Connection icon. This icon notifies you by its color if your satellite location file is up-to-date.
 - ? Blue icon  — Settings are up-to-date
 - ? Blue/Gray icon  — Settings expire less than 50% of the time remaining
 - ? Gray icon  — Expired settings

Downloading the Quick GPS Connection Data File

You must download the HP Quick GPS Connection Data file to achieve optimum GPS performance and update satellite information.

To download the data file:

1. 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 adjust it.
2. Tap **Start > Settings > Connections** tab > **Quick GPS Connection** icon .
3. If your HP iPAQ shows that the file has expired, again verify that the date and time on the HP iPAQ are correct and tap **Download Now**.
4. Tap **OK**.

After the GPS Quick Connection data file has been downloaded, GPS performance improves. Over time, the data file updates automatically when you enable the default setting to automatically update.

To manually update:

1. Tap the **Quick GPS Connection** icon at the bottom of the Today screen.
2. Tap **Download Now**.

Data is up-to-date when the blue icon  at the bottom of the Today screen displays.

Security

- [Using HP ProtectTools](#)
- [Setting Up Security](#)
- [Unlocking Your HP iPAQ](#)
- [Encrypting/Decrypting Data](#)
- [Changing Your HP ProtectTools Password](#)
- [Managing Encrypted Folders](#)

Using HP ProtectTools

In addition to the security available from Microsoft, your HP iPAQ has a more robust security option known as HP ProtectTools, which helps protect your HP iPAQ by providing authentication and encryption of:

- ? E-mail
- ? Calendar
- ? Contacts
- ? Notes
- ? Tasks
- ? All files stored in the My Documents folder
- ? Data stored on expansion cards

When you enable HP ProtectTools, you may have the option of entering a PIN and/or password to access the HP iPAQ. If you forget your PIN or password, you can access the device with a backup question and answer.

CAUTION HP ProtectTools helps protect your HP iPAQ and the data stored on it. If you are unable to access your device with any of the above methods, there is no way to unlock your device. You have to restore your device to factory settings, resulting in the loss of **all** data on your HP iPAQ. It is recommended that you remember your PIN/password and question/answer.

Setting Up Security

You should only need to set up security one time. You can make changes to any of your security settings at a later time without going through the setup procedure again.

1. Install HP ProtectTools from the Getting Started disc, then set up security on your HP iPAQ.
2. On your HP iPAQ, tap **Start > Settings > Personal tab > HP ProtectTools**.
3. The security configuration screen displays the message “Do you want to configure HP ProtectTools security on your device?” Tap **Yes**.
4. On the **Lock Settings** screen, select your choices for the following:

- ? **Lock device**—secures device by requiring your PIN or password to authenticate access to the HP iPAQ.
- ? **Log off**—secures device by requiring your PIN or password, stops running all programs, and encrypts your data. You can also select the amount of time between when you last used the device and when the data is encrypted.

NOTE Because encryption/decryption can take some time, if you use your device frequently, you may want to select a longer period of time.

5. Tap **Next**.

6. From the **Unlock Settings** screen, select the method by which you want to unlock your HP iPAQ, along with the number of attempts allowed for each setting:

- ? **Simple 4-digit PIN**—enter a minimum four-digit number
- ? **Password**—enter a combination of numbers and/or letters of any length
- ? **Strong alphanumeric password**—enter a minimum of eight characters including at least one uppercase letter, one lowercase letter, and one number

7. Tap **Next**.

8. From the **Fail-Safe Settings** screen:

- ? Select the number of attempts you have to answer your hint question correctly.
- ? Select what the device should do if you fail to answer your hint question correctly after the associated number of attempts. It is recommended that you select the default, **Pause before retrying question**.
- ? Select whether to keep security after a hard reset.

NOTE It is recommended that you select this option to ensure that the data stored in your HP iPAQ remains secure after a hard reset.

9. Tap **Next**.

10. From the **Encryption Settings** screen:

- ? Select the encryption strength.
 - ? **Lite** is the fastest but least secure algorithm.
 - ? **Blowfish** is both fast and secure.
 - ? **Triple DES** and **AES** are the most secure, but AES encrypts data faster than Triple DES.

NOTE It is recommended that you use the default, **AES**.

- ? Select which data you want encrypted. If you select to have the My Documents folder encrypted, you can also choose whether to encrypt media files (for example, audio or video files). Media files often take longer to encrypt and decrypt than other file types.
- ? Select whether you want the encryption status displayed. Selecting this option allows you to monitor the encryption/decryption process.

11. Tap **Next**.

12. From the **Security Configuration Complete** screen, tap **Continue** to enroll your fingerprint, create your PIN or password, and answer your hint question.

13. Prior to entering your PIN or password, you are asked for a passphrase. Tap **OK**, then follow the on-screen instructions to create a passphrase.

NOTE You do not need to remember the passphrase on a daily basis, but you should remember it for future reference. For more information on passphrases, tap the **More Information...** button.

14. Tap **OK**.
15. If requested, enter your PIN or password two times for verification purposes.
16. From the **Set up Passwords** screen, select your hint question by tapping the left and right arrow buttons near the question. Answer the question two times for verification purposes.
17. Tap **OK**. Your HP iPAQ resets itself after a few seconds, or you can tap the **Reset Device** button to reset the device immediately.

NOTE After the device has completed the reset process, you are asked for your PIN and/or password before you can begin using it again.

Unlocking Your HP iPAQ

The authentication method for unlocking your HP iPAQ is:

- ? Enter your PIN and/or password when prompted. If you successfully enter the requested information, the device unlocks.
- ? After the number of attempts you selected during setup, if you still do not successfully enter your PIN and/or password correctly, you are prompted to answer the hint question you defined. If you successfully answer your hint question, the device unlocks.

NOTE After you successfully authenticate, you are prompted to reset any authentication information you didn't enter correctly. For example, if you forgot your PIN, but successfully enter your hint question/answer, you are prompted to enter a new PIN.

- ? If you do not answer your hint question successfully and you selected the **Pause before retrying question** option on the **Fail-Safe Settings** screen, there is an increasing time delay between hint question/answer attempts until you enter the correct answer. If you have completely forgotten the answer to your hint question and will not remember it with further attempts, then you must tap the **Reset Device** button.

CAUTION If you tap the **Reset Device** button, you lose all data on the device. If you choose this option, be aware that resetting the device could take a long time after the iPAQ initialization process has been completed. It is recommended that you connect your device to AC power during this period to avoid timeouts or loss of power.

If you perform a hard reset instead of tapping the **Reset Device** button AND you selected **Keep Security** on the **Fail-Safe Settings** screen, your HP iPAQ returns to its default setting. In this case, you must still answer your hint question to regain access to your HP iPAQ.

Encrypting/Decrypting Data

If your HP iPAQ has been off for longer than the time you selected during setup, your data is encrypted. When you turn the device on, you are prompted to authenticate using your PIN and/or password. After successful authentication, your data is decrypted. This may take a few moments depending on the amount of data you chose to have encrypted. However, encryption runs in the background, and you can perform other tasks on your HP iPAQ during this time.

You can monitor the decryption process in two ways:

- ? If you selected **Display encryption status** on the Encryption Settings screen during setup, the HP ProtectTools window displays the decryption status.
- ? If you choose not to display this status, the encryption/decryption process proceeds in the background, allowing you to use your HP iPAQ for other purposes.

In either case, a **Blue Lock** icon appears in the Taskbar at the bottom of the Today screen during decryption. When the icon disappears, decryption is complete. Typically the HP iPAQ responds more slowly during the encryption/decryption process.

You must authenticate yourself and wait for the decryption process to complete before synchronizing using Microsoft ActiveSync. If decryption is not complete before synchronization begins, ActiveSync may not be initiated. To correct the problem, disconnect and reconnect the device after decryption is complete.

If you enable Server Synchronization on ActiveSync, it is recommended that you do not select a Mobile Schedule to automatically initiate synchronization. Since authentication and decryption are necessary when the HP iPAQ is turned on, automatic synchronization does not work properly when HP ProtectTools is enabled. The same problem may also arise when using other server-based synchronization products.

Changing Your HP ProtectTools Password

To change your PIN or password:

1. Tap **Change Passwords**.
2. Enter your current PIN or password to authenticate yourself.
3. Select the information you want to change (PIN/password or Question/Answer pair), then tap the **Change** button.
4. Follow the on-screen instructions to make the change.

Managing Encrypted Folders

By default, all data in the My Documents folder is encrypted. Select Manage Encrypted Folders to choose other folders in which to store encrypted data, including data stored on expansion cards.

1. Tap **Manage Encrypted Folders**.

2. Tap **Encrypted Folder** at the bottom of the screen.
3. Tap **Add**.
4. Enter the name, location, and estimated size of the folder to be encrypted.
NOTE The size of the folder is its maximum size and cannot be changed.
5. Tap **OK**. The device formats the new folder.
6. Tap **OK**.

NOTE You cannot encrypt existing folders.






For more information on managing encrypted folders, refer to HP ProtectTools Help. To access encryption Help, from the **Today** screen, tap the **Yellow Lock** icon > **Yellow Lock** icon in upper-left corner of the **HP ProtectTools** screen > **Help** > **Understanding encryption**.

Camera (select models only)

- [Camera Icons](#)
- [Changing Camera Settings](#)
- [Tips for Taking Better Pictures](#)

Camera Icons

The Photosmart camera displays the following icons.

Photosmart Camera Icons	
Icon	Definition
	Tap to access the camera settings.
	Tap to review images.
	Tap to zoom out.
	Tap to zoom in.
	Tap to toggle on/off camera light LED on the back of the device. When the LED is toggled on, it emits a low level



of light on the back of the HP iPAQ, and when the shutter button is pressed, the light flashes briefly.

In video mode, when the LED is toggled on, it emits a low level of light without flashing.

Tap to take short movie images or video clips.



Tap to toggle on GPS.



Tap to take a picture.



Tap to delete a picture.



Tap to exit the HP Photosmart Camera application.





Tap for Help.





Changing Camera Settings

To change the camera settings:

1. Tap **Start > Programs > Photosmart Camera**.
2. Tap the menu  icon.

To access online help for the camera application, tap the  button.

To exit the camera application, tap the  button.

To delete a picture within the camera application, tap the  .

This section provides information about the following topics:

- [Changing Color Settings](#)
- [Changing Compression Settings](#)
- [Changing Resolution Settings](#)
- [Changing the Flicker Filter](#)
- [Turning Camera Sounds On and Off](#)
- [Configuring Instant Review](#)
- [Using the Self-Timer](#)
- [Configuring File Settings](#)
- [Configuring Video Format](#)
- [Changing GPS Settings](#)

Changing Color Settings

To capture pictures with creative effects:

1. Tap the **Settings** tab > **Color** > **Change** button.
2. Make the necessary changes, and then tap **OK**.

NOTE To reset the camera settings, tap the **Reset** button.

The color settings to choose from are:

- ? Full Color (default) - captures pictures in full color.
- ? Black & White - captures pictures in grayscale.
- ? Sepia - captures pictures in brown and white for an old-fashioned effect.
- ? Negative - captures pictures to look like negatives.
- ? Cool - captures pictures in blue and white for a cool effect.

Changing Compression Settings

To change picture quality and file size:

1. Tap the **Settings** tab > **Compression** > **Change** button.
2. Make the necessary changes, and then tap **OK**.

NOTE To reset the camera settings, tap the **Reset** button.

The compression settings to choose from are:

- ? Good - Lowest quality and smallest file size.
- ? Better (default) - Medium quality and file size.

? Best - Highest quality and largest file size.

NOTE Higher-quality pictures look better, but are also larger in file size. Lower-quality pictures require less storage space and may take less time when sending by e-mail or infrared.

Changing Resolution Settings

To change the picture resolution:

1. Tap the **Settings** tab > **Resolution** > **Change** button.
2. Make the necessary changes, and then tap **OK**.

NOTE To reset the camera settings, tap the **Reset** button.

The resolution settings to choose from are:

- ? 160 x 120 pixels
- ? 320 x 240 pixels
- ? 640 x 480 pixels
- ? 1280 x 960 pixels (default)

NOTE The larger the resolution you choose, the more storage space required and it may take longer to send by e-mail.

Changing the Flicker Filter

Fluorescent light bulbs flicker due to alternating current. The electronic shutter on the camera is not immune to this flickering. Use the Flicker Filter setting to filter out flickering, sometimes called banding.

To adjust the flicker filter:

1. Tap the **Settings** tab > **Flicker Filter** > **Change** button.
2. Make the necessary changes, and then tap **OK**.

NOTE To reset the camera settings, tap the **Reset** button.

The flicker filter settings to choose from are:

- ? Auto (default) - automatically adjusts for the best picture.
- 50 Hz - filters banding caused by fluorescent light bulbs operating on an alternating current

- ? at 50 Hz
- ? 60 Hz - filters banding caused by fluorescent light bulbs operating on an alternating current at 60 Hz

Turning Camera Sounds On and Off

To turn the camera sounds on or off:

1. Tap the **Setup** tab > **Camera Sounds** > **Change** button.
2. Tap either **On** or **Off**.
3. Tap **OK**.

Configuring Instant Review

Instant Review determines how quickly you review recently captured pictures.

To configure the instant review settings:

1. Tap the **Setup** tab > **Instant Review** > **Change** button.
2. Tap either **Off**, **2**, **4**, or **6 seconds**.
3. Tap **OK**.

Using the Self-Timer

The self-timer determines how quickly the camera takes a picture after you press the shutter button.

To set the camera self-timer:

1. Tap the **Setup** tab > **Self-Timer** > **Change** button.
2. Tap either **Off**, **On - 2 seconds**, or **On - 10 seconds**.
3. Tap **OK**.

Configuring File Settings

Use File Settings to specify how pictures are named and stored in addition to adjusting the picture counter.

To configure the file settings:

1. Tap the **File** tab and change one or more of the following:
 - ? Filename prefix - The text added at the beginning of the filename.

NOTE You can save the filename prefix with any alpha numeric character and certain symbols.

 - ? Counter value - The number (between 0000 and 9999) that automatically increases each time a picture is taken. This number is added to the filename prefix.
 - ? Save picture in - The folder or storage card where the pictures are saved. The default folder on the device is \MyDocuments\My Pictures\.
2. Tap **OK**.

Configuring Video Format

Use Video Format to specify the video format and size, along with a record audio option for when you film a video clip.


To configure the video format settings:

1. Tap the **Video** tab.
2. Select the video format and size of your choice.
3. Select **Record audio** check box.
4. Tap **OK**.


Changing GPS Settings

The GPS setting allows tagging pictures with the location of where they were captured.

To change the GPS settings:

1. Tap **Start > Programs > Photosmart Camera**.
2. Tap the  button to turn on the GPS feature.
3. Start taking pictures as usual.

To enable the GPS button so that it displays in the camera mode:

1. Tap the menu  icon.

2. Tap the **GPS** tab.
3. Select the **Enable GPS** check box.

NOTE

To use the GPS feature within the camera, take pictures outside where the HP iPAQ can get a good signal from GPS satellites. Also, before you take a picture, be sure the HP Photosmart Camera preview screen displays a GPS location.

Tips for Taking Better Pictures

Use these tips to take high quality pictures.

- ? To take a clear picture, do not move the camera until after you hear the first and second shutter sounds.
- ? Change the camera setting to **Best** when taking pictures with many fine details or colors.
- ? Frame subjects so that bright lights do not appear in the picture.

HP Photosmart Mobile

- [HP Photosmart Mobile](#)
- [Attaching a Voice Note to a Picture](#)
- [E-mailing Pictures](#)
- [Viewing a Slideshow](#)

HP Photosmart Mobile




Use HP Photosmart Mobile to:

- ? View pictures stored on the HP iPAQ or a storage card.
- ? Add voice notes to pictures.
- ? Add voice or text notes to pictures.
- ? Print pictures.
- ? View a slideshow.
- ? Send pictures by MMS, e-mail attachments, Bluetooth, or Infrared.
- ? Associate a picture with a Contact.
- ? Assign a picture to the Today Screen background.

Download HP Photosmart Premier Software to your personal computer to view, edit, organize, and print pictures. HP Photosmart Premier is located on the Getting Started CD.

Attaching a Voice Note to a Picture

To attach a sound file to a picture:

1. Tap **Start > Programs > HP Photosmart Mobile**.
2. Tap the thumbnail picture in which you want to add a voice note.
3. Tap the **Cassette** icon .
4. Tap the **Record** button  on the Recording toolbar.
5. Speak into the microphone to record the sound file and tap the **Stop** button  when finished.
6. Tap the **Cassette** icon again to close the Recording toolbar.





E-mailing Pictures

To e-mail pictures from HP Photosmart Mobile:

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

Viewing a Slideshow

To view a slideshow:

1. Tap **Start > Programs > Photosmart Mobile**.
2. Tap the slideshow icon  at the bottom of the screen.
3. Tap the screen to view the **Forward** , **Backward** , and **Stop**  buttons.

HP Photosmart Premier

- [HP Photosmart Premier](#)

HP Photosmart Premier

While HP Photosmart Mobile allows you to view pictures on your HP iPAQ, HP Photosmart Premier allows you to view, organize, edit, share, and print pictures on your personal computer. Simply, use the Getting Started CD to install this imaging software on a personal computer.

With HP Photosmart Premier, you can:

- ? View, Organize, and Manage
 - ? View variable thumbnail size, single, full screen, and slide show images
 - ? Sort pictures by date, name, keywords, location, or recently used
 - ? Assign keywords for fast, reliable searches
 - ? Create PC slide shows with music
- ? Edit
 - ? Correct red-eye and crop, rotate, flip images
 - ? One-button auto-fix
 - ? View edited images side-by-side with the original
 - ? Play, trim, and extract single frames from video
- ? Print
 - ? Printing the most popular size pictures
 - ? Set correct driver properties for photo printing on "older" HP printers
 - ? Adjust printing with active preview
 - ? Create custom photo packages with page optimization, index, and video action printing
- ? Create
 - ? Produce easy-to-use album templates
 - ? Generate plug-ins for additional album templates, panoramas, and creative projects
 - ? Construct easy panorama stitching and printing
 - ? Build hundreds of creative templates for cards and calendars, album pages, CD labels, flyers and brochures
- ? Share
 - ? Use HP Instant Share e-mailing - e-mail pictures without large attachments
 - ? Select picture thumbnails for e-mail lists
 - ? Integrate with Outlook™ address books

- ? Backup
 - ? Upgrade available for CD archiving
 - ? Back up and restore to CD (or DVD with upgrade)
 - ? Set reminders to archive photos
 - ? Digital negatives

For instructions on using any of these features, install the Getting Started CD on your personal computer.

HP Image Transfer

- [Installing HP Image Transfer](#)
- [Enabling and Modifying Settings](#)

Installing HP Image Transfer

Use HP Image Transfer to automatically transfer pictures and videos from the HP iPAQ to the personal computer.

NOTE Before installing HP Image Transfer, first install Microsoft ActiveSync version 4.0 and establish a standard partnership between the HP iPAQ and the personal computer.

To install HP Image Transfer:

1. From the Companion CD, select **Software and Accessories > Desktop Software**, and then select the **Install this** check box next to HP Image Transfer.
2. Select **Install Now** located at the top of the Install Desktop Software screen and follow the instructions on the screen.

Once HP Image Transfer has been installed and is recognized by ActiveSync, the ActiveSync window displays the Image check box.

Enabling and Modifying Settings

To enable and modify HP Image Transfer settings:

1. Open ActiveSync on your personal computer.

2. Double-click **Image** under the Details window or select **Options** from the ActiveSync menu.
3. Select **Image** on the **Sync options** tab, and then select the **Settings** button.

Once image transfer has been enabled, the schedule and rules you have configured for ActiveSync synchronization are also applied to your image transfers. Depending on your configuration, images may be transferred continuously while the device is connected, only upon connection, or manually.

Messaging

- [Setting up an E-mail Account](#)
- [Replying to or Forwarding a Message](#)
- [Adding an Attachment to a Message](#)
- [Installing an Online Address Book](#)

Setting up an E-mail Account

Before you can send and receive e-mail, you must have access to an e-mail account through an Internet Service Provider (ISP) or a VPN server connection (typically a work account).

To set up an e-mail account on your HP iPAQ:

1. Tap **Start > Messaging**.
2. Tap **Menu > Tools > New Account**.
3. Enter your e-mail address, and tap **Next**.

Auto configuration attempts to download necessary e-mail server settings so that you do not need to enter them manually.

4. Once Auto configuration has finished, tap **Next**.
5. Enter your name (the name you want displayed when you send e-mail) and your password.

If Auto configuration was successful, your user name is already entered and you can tap **Next**, then **Finish** to complete setting up your account, or tap **Options** to access additional settings. For example:

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

If Auto configuration is unsuccessful, refer to the Help file on your HP iPAQ.

NOTE

You can set up several e-mail accounts in addition to your Outlook E-mail account.

You cannot add a new account while connected. Tap **Menu > Stop Send/Receive** to disconnect.

Replying to or Forwarding a Message

1. Open the message and tap **Reply**, or **Menu > Reply All**, or **Menu > Forward**.
2. Enter your response. To quickly add common messages, tap **Menu > My Text** and tap a desired message.

NOTE To edit a My Text message, in a new message, tap **Menu > My Text > Edit My Text Messages**. Tap the message you want to edit and enter new text at the bottom of the screen.

3. To check the spelling, tap **Menu > Spell Check**.
4. Tap **Send**.

NOTE To see more header information, scroll up.

To always include the original message, from the list view, tap **Menu > Tools > Options > Message** tab, and select the **When replying to e-mail, include body** check box.

In the Outlook E-mail account, you will send less data if you do not edit the original message. This may reduce data transfer costs based on your rate plan.

Adding an Attachment to a Message

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

NOTE Embedded objects cannot be attached to messages.

Installing an Online Address Book

Many e-mail servers can verify names with an online address book, called a directory service, using Lightweight Directory Access Protocol (LDAP). When you create an e-mail account, your e-mail server's directory service is added to the **Address** tab, and you can choose to enable it. After it is

enabled, Messaging checks your contact list and then the directory service to verify names that you enter in the **To**, **Cc**, and **Bcc** fields.

To enable a directory service, or if you want to use additional services:

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

NOTE

To delete a service, tap and hold the service, and tap **Delete**.

While synchronizing your Outlook E-mail account, disable any directory services you have installed by clearing the **Check name against this server** check box. This helps avoid getting error messages when Messaging tries to verify names against the service that you are not connected to.

Learning The Basics

- [Viewing the Operating System Information](#)
- [Adjusting the Volume](#)
- [Changing Power Management Settings](#)
- [Dimming or Adjusting the Brightness of the Backlight](#)
- [Installing and Removing Programs](#)
- [Opening and Closing Programs](#)
- [Reassigning Programs or Shortcuts to Program Buttons](#)
- [Setting Alarms](#)
- [Shortcut Menus](#)
- [Showing the Clock in All Programs](#)
- [Creating or Assigning a Category](#)
- [Adjusting the Speed for Scrolling Through Items in a List](#)

Viewing the Operating System Information

Tap **Start** > **Settings** > **System** tab > **About**.

The operating system version displays near the top of the screen.

Adjusting the Volume

You can change the volume for various sounds, such as the sound you hear when you tap program names and menu options.

1. Tap the **Speaker** icon at the top of the screen.
2. Move the system volume slider to the desired volume level.
3. To mute system sounds, tap **Off**.

NOTE You can also press the volume control on your HP iPAQ to quickly change system volume settings.

You can also specify the sound you want to here for a notification.

1. Tap **Start** > **Settings** > **Personal** tab > **Sounds & Notifications**.
2. On the **Sounds** tab, choose how you want to be notified by selecting the appropriate check boxes.
3. On the **Notifications** tab, in **Event**, tap an event name and choose how you want to be notified by selecting the appropriate check boxes. You can choose from several options, such as a special sound, a message, or a flashing light.

NOTE Turning off sounds and the LED notification helps conserve battery power.

Changing Power Management Settings

1. Tap **Start** > **Settings** > **System** tab > **Power**.
2. Tap the **Battery** tab to view how much battery power is available.
3. Tap the **Wireless** tab to turn Wireless signals on or off.
4. Tap the **Advanced** tab to select the length of time the HP iPAQ stays on when using battery power or external power.

Dimming or Adjusting the Brightness of the Backlight

You can set the backlight to dim after a specified amount of time has elapsed.

1. Tap **Start > Settings > System tab > Backlight**.
2. Tap the **Battery power** tab or the **External power** tab.
3. Select the **Turn off backlight if device is not used for** check box, then specify the time delay.

You can also increase or decrease the brightness of the backlight.

1. Tap **Start > Settings > System tab > Backlight > Brightness** tab.
2. Move the sliders up to increase and down to decrease the brightness.

Installing and Removing Programs

To install programs on your HP iPAQ:

1. Use the HP Desktop Cradle or autosync cable to connect your HP iPAQ to your personal computer.
2. Follow the instructions in the Installation Wizard provided with the program you want to install.
3. Check the screen on your HP iPAQ to see if any further steps are necessary to complete the program installation.

To remove programs from your HP iPAQ:

1. Tap **Start > Settings > System tab > Remove Programs**.
2. Select the checkbox for the program(s) you want to remove, then tap **Remove**.

NOTE By removing a program from your HP iPAQ, you may increase available memory on the device.

Opening and Closing Programs

You do not need to exit a program to open another or to conserve memory. The system manages memory automatically.

To open a program, tap **Start**, then tap the program you want from the list. If you don't see the program you want, tap **Start > Programs**.

In most cases, programs automatically stop to free needed memory. However, you can close programs manually if you prefer.

1. Tap **Start** > **Settings** > **System** tab > **Memory** > **Running Programs** tab.
2. In the **Running Programs** list, tap the program you want to close, then tap **Stop**.

Reassigning Programs or Shortcuts to Program Buttons

Your HP iPAQ comes with programs already assigned to hardware buttons. You can customize these buttons to open the programs you use most or to perform certain shortcuts such as changing the screen orientation, opening the **Today** screen, or opening **Input Panel**.

1. Tap **Start** > **Settings** > **Personal** tab > **Buttons**. A list of buttons and their current assignments is displayed on the **Program Buttons** tab.
2. Tap the button you want to reassign. To help you identify the buttons, there are numbers and icons representing the original function of the button.
3. In the **Assign a program** box, tap the program or shortcut you want to assign.
4. Tap **OK**.

Setting Alarms

1. Tap **Start** > **Settings** > **System** tab > **Clock & Alarms** > **Alarms** tab.
2. Tap <**Description**> and enter a name for the alarm.
3. Tap the day of the week for the alarm. You can select multiple days by tapping each desired day.
4. Tap the time to open a clock and set the time for the alarm.
5. Tap the **Alarm** icon to specify the type of alarm you want. You can choose a flashing light, a single sound, a repeating sound, or vibration.
6. If you choose to play a sound, tap the list next to the **Play sound** check box, then tap the sound you want.

Shortcut Menus

A shortcut menu appears when you tap and hold an item. The menu displays the most common commands for the specific item. For example, you can delete an appointment or send a text message to a contact by using commands on a shortcut menu.

To use a shortcut menu, tap and hold the item. When the menu appears, tap the action you want to perform.

To close a shortcut menu without performing an action, tap anywhere outside the menu.

Showing the Clock in All Programs

The clock may not show in the title bar of certain programs by default. To choose to have the clock always show in the title bar:

1. Tap **Start > Settings > System tab > Clock & Alarms**.
2. On the **More** tab, click to select the **Display the clock on the title bar in all programs** check box.

Creating or Assigning a Category

In the Calendar, Contacts, and Tasks programs, you can use categories to help you organize and group your appointments, contacts, and tasks.

1. From the program, tap an existing item or create a new one.
2. Do one of the following:
 - ? For an existing item in Calendar and Tasks, tap **Edit > Categories**.
 - ? For an existing item in Contacts, tap **Menu > Edit > Categories**.
 - ? For a new item in Calendar, Contacts, and Tasks, tap **Categories**.
3. Tap **New**, enter the category name, then tap **Done**. The new category is automatically assigned to the item.
4. Tap **OK** to return to the appointment, contact, or task.

NOTE

Categories are shared between your appointments, contacts, and tasks. A category remains in the list of shared categories as long as it is assigned to at least one appointment, contact, or task.

Adjusting the Speed for Scrolling Through Items in a List

You can scroll through items in a list by pressing and holding the **Navigation** button up or down. To change the speed at which scrolling occurs:

1. Tap **Start > Settings > Personal tab > Buttons > Up/Down Control** tab.

2. Under **Delay before first repeat**, move the slider to shorten or lengthen the time that elapses before scrolling begins.
3. Under **Repeat rate**, move the slider to change the time it takes to scroll from one item to the next.

Calendar

- [Accessing Calendar](#)
- [Changing the Display of the Work Week](#)
- [Setting a Default Reminder for All New Appointments](#)

Accessing Calendar

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

1. To access Calendar:
2. Tap **Start > Calendar**.

Changing the Display of the Work Week

You can customize your calendar so a work week starts on Sunday or Monday and continues from five to seven days.

To change the display of the work week:

1. Tap **Start > Calendar**.
2. Tap **Menu > Options** and do one or both of the following:
 - ? To specify the first day of the week, tap **Sunday** or **Monday** in the **1st day of week** box.
 - ? To specify the number of days to appear in a work week, tap **5-day week**, **6-day week**, or **7-day week** in the **Week view** box.
3. Tap **OK**.

Setting a Default Reminder for All New Appointments

To automatically turn on a reminder for all new appointments:

1. Tap **Start > Calendar**.
2. Tap **Menu > Options > Appointments** tab.
3. Select the **Set reminders for new items** check box.
4. Set the time for the reminder to alert you.
5. Tap **OK**.

Contacts

- [Creating a Contact](#)
- [Changing Contact Information](#)
- [Copying a Contact](#)
- [Finding a Contact](#)
- [Sending an E-mail Message to a Contact](#)
- [Sending a Text Message to a Contact](#)
- [Adding and Removing a Picture](#)
- [Working with the Contact List](#)

Creating a Contact

1. Tap **Start > Contacts**.
2. Tap **New** and enter the contact information.
3. When finished, tap **OK**.

NOTE If your contact list has been filtered by a category when you create a contact, that category is automatically assigned to the new contact.

To include a nickname, title, and more, while creating a contact, tap the **Name** arrow.

If most of the contacts you create have phone numbers that begin with the same area code, in the contact list, tap **Menu > Options** and enter that area code in the **Area code** box.

If someone who isn't in your list of contacts calls you or sends you a message, you can create a contact from **Call History** (not available on all models) or from the message by tapping **Menu > Save to Contacts**.

Changing Contact Information

-
1. Tap **Start > Contacts**.
 2. Tap the contact.
 3. Tap **Menu > Edit** and enter the changes.
 4. When finished, tap **OK**.

To include a nickname, title, and more, for an existing contact in the contact list, tap the contact, tap **Menu > Edit**, and tap the **Name** arrow.

Copying a Contact

1. Tap **Start > Contacts**.
2. Tap and hold the contact you want to copy.
3. Tap **Copy Contact**.
4. Tap the copy of the contact.
5. Tap **Menu > Edit**.
6. Change the contact information as needed and tap **OK**.

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

Finding a Contact

To find a contact on a long list:

1. Tap **Start > Contacts**.
2. If you are not in **Name** view, tap **Menu > View By > Name**.
3. Do one of the following:
 - ? Begin entering a name or phone number in the provided text box until the contact you want is displayed. To show all contacts again, tap the text box and clear the text, or tap the arrow to the right of the text box.
 - ? Use the alphabetical index displayed at the top of the contact list.
 - ? Filter the list by categories. In the contact list, tap **Menu > Filter**. Then tap a category you've assigned to a contact. To show all contacts again, select **All Contacts**.

NOTE To search for a contact by entering a name or number, or by using the alphabetical index, you must be in **Name** view.

Sending an E-mail Message to a Contact

1. Tap **Start > Contacts**.
2. Tap the contact you want to send a message to.
3. Tap the address you want to send a message to.
4. Tap the account you want to send the message from.

NOTE To quickly add a contact's address to a new message, tap the **To**, **Cc**, or **Bcc** line, and tap **Menu > Add Recipient**. Tap the contact you want to send the message to and choose the address if necessary.

Sending a Text Message to a Contact

1. In the message list, tap **Menu > Switch Accounts** and select the account.
2. Tap **New**.
3. Enter the e-mail address or text message address of one or more recipients, separating them with a semicolon. To access addresses and phone numbers from **Contacts**, tap **To**.
4. Enter your message. To quickly add common messages, tap **Menu > My Text** and tap a desired message.

NOTE To enter symbols, tap **Shift** using the on-screen keyboard.

5. To check the spelling, tap **Menu > Spell Check**.

NOTE To set the priority, tap **Menu > Message Options**.

6. Tap **Send**.

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

If you are sending a text message and want to know if it was received, before sending the message, tap **Menu > Tools > Options**. Tap **Text Messages** and select **Request delivery notifications**.

Adding and Removing a Picture

To add a picture to contact information:

1. Tap **Start > Contacts**.
2. Tap the contact.
3. Tap **Menu > Edit**.

4. Tap **Picture**.
5. Do one of the following:
 - ? Tap the picture you want to add.
 - ? Tap **Camera** and take a picture.

To remove a picture from contact information:

1. Tap **Start > Contacts**.
2. Tap the contact.
3. Tap **Menu > Edit**.
4. Tap **Menu > Remove Picture**.

Working with the Contact List

There are several ways to use and customize the contact list. Here are a few tips on how to make it work for you.

1. Tap **Start > Contacts**.
2. In the contact list, do any of the following:
 - ? In **Name** view, search for a contact by entering a name or number, or by using the alphabetical index.
 - ? To see a summary of information about a contact, tap the contact. From there you can also make a call or send a message.
 - ? To see a list of available actions for a contact, tap and hold the contact.
 - ? The last method of communication you used to reach a contact is displayed in the contact list. However, you can change what is displayed. Select a contact and press NAVIGATION left or right until the contact method you want appears with the contact's name. A single letter next to the contact information signifies which method you have chosen. For example, If you choose a contact's e-mail address, the letter e is displayed.
 - ? To see a list of contacts employed by a specific company, tap **Menu > View By > Company**. Then, tap the company name.

When working in **Company** view, you can filter by categories you've assigned to contacts. Then, only the companies with contacts that have that category assigned to them will appear in the list.

NOTE To display a greater number of contacts, tap **Menu > Options**, select the **Show contact names only** check box, and clear the **Show alphabetical index** check box.

Entering Text

- [Writing with Transcriber](#)
- [Entering Text Using the Keyboard](#)
- [Entering Text using Letter Recognizer](#)
- [Entering Text using Block Recognizer](#)

Writing with Transcriber

Transcriber works transparently in the background of programs, recognizing words with its integrated dictionary. When Transcriber is turned on, it interprets stylus movement anywhere on the screen as handwriting input.

To write with Transcriber:

1. From any program, position the cursor where you want the text to appear.
2. Use the stylus to write anywhere on the screen.

The handwriting will be converted to text shortly after you lift the stylus from the screen.

Entering Text Using the Keyboard

1. From any program, tap the **Input Selector** arrow, and then **Keyboard**.
2. Tap on the appropriate characters, numbers, and symbols on the on-screen keyboard.

You can increase the size of the on-screen keyboard keys to make them easier to tap.

1. Tap **Start > Settings > Personal** tab > **Input**.
2. On the **Input Method** tab, select **Keyboard** as the input method, and tap **Large Keys**.
3. Tap **OK**.

NOTE

You can enlarge the keys even more by selecting the **Use gestures for the following keys** check box. Fewer keys appear on the keyboard, but you can do gestures for Space, Backspace, Enter, and Shift+key.

Entering Text using Letter Recognizer

1. From any program, tap the **Input Selector** arrow, and then **Letter Recognizer**.
2. Write characters, numbers, and symbols in the designated writing area.

- ? Enter capital letters by writing in the ABC (left) area of the box.
- ? Enter lowercase letters by writing in the abc (middle) area of the box.
- ? Enter numbers by writing in the 123 (right) area of the box.
- ? Enter punctuation and symbols by tapping in either area of the box and then writing the desired character.

NOTE Letter Recognizer is available when text entry is possible.

Hint For help with writing characters with Letter Recognizer, tap the question mark near the writing area.

Entering Text using Block Recognizer

1. From any program, tap the **Input Selector** arrow, and then **Block Recognizer**.
2. Write characters, numbers, and symbols in the designated writing area.
 - ? Enter letters by writing in the abc (left) area of the box.
 - ? Enter numbers by writing in the 123 (right) area of the box.
 - ? Enter symbols and punctuation by tapping in either area of the box and then writing the desired character.

NOTE Block Recognizer is available when text entry is possible.

Hint For help with writing characters with Block Recognizer, tap the question mark near the writing area.

Expansion Cards

- [Using Expansion Cards](#)
- [Installing an Expansion Card](#)
- [Removing an Expansion Card](#)
- [Viewing Content of an Expansion Card](#)

Using Expansion Cards

Use optional expansion cards for:

- ? Expanding the memory of your HP iPAQ by using a Compact Flash (CF) or Secure Digital (SD) memory card
- ? Adding functionality such as a Secure Digital Input/Output (SDIO) camera

NOTE Expansion cards must be purchased separately and are not included with your HP iPAQ.

To locate information about expansion cards, visit the HP Web site at www.hp.com/go/ipaqaccessories.

Installing an Expansion Card

To install an expansion card into the expansion slot on the HP iPAQ:

1. Locate the slot on the top of the HP iPAQ.
2. Remove the protective plastic card.
3. Insert the expansion card into the expansion slot and push the connection edge of the card firmly into the expansion slot.

NOTE If your expansion card is not recognized, follow the card manufacturer's instructions to install it.

If you have trouble installing an expansion card, try the following:

- ? Be sure the label is facing the front of the HP iPAQ.
- ? Be sure you are not inserting the card at an angle.
- ? Be sure you insert the connection area first.

Removing an Expansion Card

To remove a Secure Digital (SD) expansion card from the expansion slot on the HP iPAQ:

1. Close all programs that are using the expansion card.
2. Remove the card from the expansion slot by **slightly pushing down on the card** to unlock it.
3. When the card disengages and pops up, pull it from the expansion slot.

CAUTION SD cards must be unlocked before removal.

To remove a Compact Flash (CF) expansion card from the expansion slot on the HP iPAQ, pull it from the expansion slot.

NOTE

HP recommends inserting the protective plastic cards that came with your HP iPAQ into the expansion slots when they are not in use.

Viewing Content of an Expansion Card

Use File Explorer to view the files that are located on your optional expansion card.

1. Tap **Start > Programs > File Explorer**.
2. Tap the **Up** soft key at the bottom of the screen, then select the Storage Card folder to see a list of files and folders.

If the HP iPAQ does not recognize your expansion card, try the following:

- ? Be sure you have firmly pushed the expansion card down into the expansion slot.
- ? Be sure to install any drivers that came with the expansion card.
- ? Reset the HP iPAQ by using the stylus to lightly press the **Reset** button.

Synchronizing

- [Migrating Data from Palm Desktop to Microsoft Windows Mobile 5.0](#)
- [Wireless Synchronization Cost Saving Tips](#)

Migrating Data from Palm Desktop to Microsoft Windows Mobile 5.0

If you used a Palm Operating System (OS) based device before purchasing your HP iPAQ, you need to migrate your data from the Palm Desktop software to Microsoft Windows Mobile 5.0.

To migrate data from Palm Desktop to Windows Mobile 5.0:

1. If you do not already have Microsoft Outlook 98 or higher installed on your personal computer, follow the on-screen instructions to install Outlook 2002 from the Getting Started disc.
2. Insert the Companion CD that came with your Palm unit into your computer's CD-ROM drive. From the **Discover Your Handheld** screen, select **Install Microsoft Conduits**. Alternatively, you may reinstall the Palm Desktop software. During the configuration process, select **Synchronize your handheld with Microsoft Outlook and Palm Desktop software**.

NOTE

Microsoft Outlook must be set as your default e-mail program to properly

synchronize with the Palm Desktop software. If you need to change your settings, open Microsoft Outlook, then click **Tools > Options > Other** tab and check the **Make Outlook the default program for E-mail, Contacts, and Calendar** checkbox. Click **Apply > OK**, and then restart your personal computer.

3. Use the HotSync software located on the Companion CD that came with your Palm unit to synchronize your Palm information with Outlook. Refer to the instructions that came with your Palm unit for help installing or using Hotsync.
4. When Outlook is synchronized with your Palm device, uninstall Hotsync from your personal computer. Click **Start > Control Panel > double-click Add or Remove Programs**. Select **Palm Desktop**, then click **Remove**. Follow the on-screen instructions.
5. Insert the Getting Started disc into your computer's CD-ROM drive and follow the on-screen instructions to install ActiveSync on your personal computer and create a partnership between your HP iPAQ and your personal computer.

Wireless Synchronization Cost Saving Tips

How you manage the cost of synchronizing wirelessly from your HP iPAQ depends on your priorities.

To	Do this
Reduce network connection or data transfer costs	Increase the time between scheduled synchronizations, or synchronize manually. Check the details of your rate plan.
Extend battery life	Schedule synchronization less frequently or synchronize manually.
Keep your information up to date	During periods of high mail volume, schedule synchronization at regular but frequent intervals. During periods of low mail volume, schedule synchronization as items arrive.

NOTE

The device power-down timer is reset each time you synchronize. If you schedule a synchronization interval that is smaller than the time interval set for the device to automatically power down, the device never turns off to save battery power.

Tasks

- [Setting the Start and Due Dates for a Task](#)
- [Showing Start and Due Dates in the Task List](#)
- [Setting Options for Displaying Tasks on the Today Screen](#)
- [Marking a Task as Completed](#)

Setting the Start and Due Dates for a Task

1. Tap **Start** > **Programs** > **Tasks**.
2. Tap the task you want to set start and due dates for.
3. Tap **Edit** and do one or both of the following:
 - ? Tap **Starts** to enter a start date for the task.
 - ? Tap **Due** to enter a due date for the task.
4. Tap **OK**.

Showing Start and Due Dates in the Task List

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

Setting Options for Displaying Tasks on the Today Screen

If you have a large number of tasks, you may want to specify the kind of tasks that show on the **Today** screen.

1. Tap **Start** > **Settings** > **Personal** tab > **Today**.
2. Tap the **Items** tab.
3. Select **Tasks**, then tap **Options**.
4. Under **Display number of**, select the type of tasks you want to appear on the **Today** screen.
5. In the **Category** list, select whether to display only tasks assigned to a specific category or to display all tasks.

Marking a Task as Completed

1. Tap **Start** > **Programs** > **Tasks**.
2. In the task list, select the check box next to the task you want to mark as completed.

NOTE

To mark an open task as completed, tap **Edit**, and in the **Status** box, tap **Completed**.

Other Topics

- [Registering your HP iPAQ](#)

Registering your HP iPAQ

When you register your HP iPAQ with HP, you receive e-mail regarding special offers and promotions. Take time now to register your HP iPAQ online at <http://www.register.hp.com>.

If your mailing or e-mail address needs to be updated after registering, enter your user ID and registration password to edit your online profile at the same online Web site (www.register.hp.com).

Regulatory Notices

- [Federal Communications Commission Notice](#)
- [Canadian Notice](#)
- [European Union Regulatory Notice](#)
- [Battery Warning](#)
- [Equipment Warning](#)
- [Airline Travel Notice](#)
- [Medical Electronic Equipment](#)
- [Wireless 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 into 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.

This section provides information about the following topics:

- [Modifications](#)
- [Cables](#)
- [Declaration of Conformity for products marked with the FCC logo—United States only](#)

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Hewlett-Packard Company may void the authority to operate the equipment.

Cables

Connections to this device must be made with shielded cables with metallic RFI/EMI connector hoods in order to maintain compliance with FCC Rules and Regulations.

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 two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For questions regarding your product, contact:

Hewlett-Packard Development Company, L.P.
P. O. Box 692000, Mail Stop 530113
Houston, Texas 77269-2000

Or, call 1-800-652-6672

For questions regarding this FCC declaration, contact:

Hewlett-Packard Development Company, L.P.
P. O. Box 692000, Mail Stop 510101
Houston, Texas 77269-2000

Or, call (281) 514-3333

To identify this product, refer to the Part, Series, or Model number found on the product.

Canadian Notice

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

This section provides information about the following topics:

- [Avis Canadien](#)

Avis Canadien

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

European Union Regulatory Notice

This product complies with the following EU Directives:

? Low Voltage Directive 73/23/EEC

? EMC Directive 89/336/EEC

NOTE CE Compliance of this product is valid only if powered with the correct HP-provided and CE marked AC adapter.

If this product has telecommunication functionality, it also complies with the essential requirements of:

? R&TTE Directive 1999/5/EC

Compliance with these directives implies conformity to applicable harmonized European standards (European Norms) which are listed on the EU Declaration of Conformity issued by Hewlett-Packard for this product or product family.

This compliance is indicated by the following conformity marking placed on the product:



This marking is valid for non-Telecom products and EU harmonized Telecom products (e.g. Bluetooth).



This marking is valid for EU non-harmonized Telecom products .

*Notified body number (used only if applicable - refer to the product label).

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

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

This section provides information about the following topics:

- [Notice for Italy and France for use of 2.4 GHz wireless communication:](#)

Notice for Italy and France for use of 2.4 GHz wireless communication:

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 General Direction for Frequency Planning and Management (Direzione Generale Pianificazione e Gestione Frequenze).

France:

L'utilisation de cet équipement (2.4GHz Wireless LAN) est soumise a certaines restrictions: Cet équipement peut etre utilise a l'interieur d'un batiment en utilisant toutes les frequences de 2400 a 2483.5MHz (Chaîne 1-13). Pour une utilisation en environnement exterieur, vous devez utiliser les frequences comprises entre 2454-2483.5MHz (Chaîne 10-13). Pour les dernieres restrictions, voir <http://www.art-telecom.fr>.

For 2.4 GHz Wireless LAN operation of this product certain restrictions apply: This product may be used indoor for the entire 2400-2483.5 MHz frequency band (channels 1-13). For outdoor use, only

2454-2483.5 MHz frequency band (channels 10-13) may be used. For the latest requirements, see <http://www.art-telecom.fr>.

Battery Warning

WARNING! This HP iPAQ device 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 battery Spare Part Number 383745-001. Replacing with a nonapproved HP battery will void the warranty.

CAUTION Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

Equipment Warning

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

- ? Plug the AC Adapter into an electrical outlet that is easily accessible at all times.
- ? Disconnect power from the equipment by unplugging the AC Adapter from the electrical outlet.
- ? Do not pull on power cables. When unplugging from the electrical outlet, grasp the AC Adapter and pull out from the electrical outlet.
- ? Do not place anything on the power cables. Arrange them so that no one may accidentally step on or trip over them.

Airline Travel Notice

Turn off your HP iPAQ before boarding any aircraft. Federal Aviation Administration (FAA) regulations require you to have permission from a crew member to use the phone features on your HP iPAQ while the plane is on the ground. To prevent interference with wireless systems, local Radio Frequency (RF) regulations prohibit using the phone features on your HP iPAQ while the plane is in the air. Use it on the ground only with crew permission. Use of the HP iPAQ features other than the phone 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.

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.

This section provides information about the following topics:

- [U.S. Regulatory Wireless Notice](#)
- [Health and Safety Information](#)
- [Canadian Regulatory Wireless Notice](#)
- [Australian Wireless Notice](#)
- [Brazilian Regulatory Wireless Notice](#)
- [Singaporean Wireless Notice](#)
- [Taiwan DGT Regulatory Wireless Notice](#)

U.S. Regulatory Wireless Notice

WARNING! Exposure to Radio Frequency (RF) Radiation The radiated output power of this device is far below the FCC radio frequency exposure limits. Nevertheless, users concerned with the risk of Radio Frequency exposure may want to limit the duration of calls and position the antenna as far away from the body as practical. For body worn operation, this device has been tested and meets the FCC RF exposure guidelines when used with the Hewlett-Packard accessories supplied with or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

This section provides information about the following topics:

- [U.S. Regulatory Notice For 900/1800 GSM Frequency Bands](#)

U.S. Regulatory Notice For 900/1800 GSM Frequency Bands

This device contains 900/1800 MHz GSM functions that are not operational in U.S. territories. This

filing is only applicable for GSM 850 MHz and PCS 1900 MHz operations.

Health and Safety Information

Since your HP wireless phone is a radio transmitter and receiver, you may be exposed to Radio Frequency (RF) signals when it is powered on. However, your HP wireless phone has been designed so that it does not exceed the emission limits for exposure to radio frequency energy that are set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards previously set by both the United States and international standards.

This equipment under test has been shown to be capable of compliance for localized Specific Absorption Rate (SAR) for uncontrolled environment/general population exposure limits specified in ANSI/IEEE Standard C95.1-1992 and had been tested in accordance with measurement procedures specified in FCC/OET Bulletin 65 Supplement C (2001) and IEEE Standard 1528-200X (Draft 6.5, January 2002). Ministry of Health (Canada), Safety Code 6. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measure known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6W/kg.

NOTE

In the U.S. and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection to the public and to account for any variations.

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.

Australian Wireless Notice

WARNING! Switch off this device whenever in an area with a potentially explosive atmosphere (i.e., service stations, chemical plants, etc.).

Brazilian Regulatory Wireless 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.

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.
- ? This device has been designed to comply with applicable requirements for exposure to radio waves based on scientific guidelines that include margins intended to assure the safety of all people, regardless of health and age. These radio wave exposure guidelines employ a unit of measurement known as the Specific Absorption Rate (SAR). Tests for SAR are conducted using standardized methods with the phone transmitting at its highest certified power level in all used frequency bands. The SAR data information is based on CENELEC's standards EN50360 and EN50361 which use the limit of 2 Watts per kilogram (W/kg) averaged over 10 grams of tissue. The highest SAR value for this model phone when tested is as follows:
 - ? GSM900: 0.158 W/kg (10g)
 - ? DCS1800: 0.387 W/kg (10g)

Taiwan DGT Regulatory Wireless Notice

註：

1. SAR 標準值1.6W/Kg ；
送測產品實測值GSM:900 為 0.200 W/Kg 。
DCS:1800 為 0.624 W/Kg 。

2.  減少電磁波影響，請妥適使用。

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。

Using accessibility shortcut keys in the Help Viewer

Using accessibility shortcut keys in the Help Viewer

The following topics describe how you can navigate in this user guide.

- [Using F6 to switch between the Navigation and Topic Panes](#)
- [Shortcut keys for the Help Viewer](#)
- [Shortcut keys for the Contents tab](#)
- [Shortcut keys for the Index tab](#)
- [Shortcut keys for the Search tab](#)
- [Shortcut keys for the Favorites tab](#)

Notes

- There are also shortcut menu commands that can be accessed through the keyboard.
- Shortcut keys also work in secondary and pop-up windows.
- Every time you use a shortcut key in the Navigation pane, you lose focus in the Topic pane. To return to the Topic pane, press **F6**.
- The **Match similar words** check box on the **Search** tab will be selected if you used it for your last search.

Using the HTML Help Viewer



Using the HTML Help Viewer

The following topics provide information about navigating and using this HTML Help User Guide. For more information, click one of the following <http://www.hp.com> topics:

- [Getting more out of help](#)
- [To find a help topic](#)
- [To create a list of favorite help topics](#)
- [To copy a help topic](#)
- [To print the current help topic](#)
- [To find topics using the toolbar buttons](#)
- [Using the shortcut menu commands](#)



<http://www.hp.com>