



**Palm® Ultralight Wireless Headset**

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## Palm® ultralight wireless headset

Thank you for purchasing the Palm® ultralight wireless headset. We hope you will be delighted with its operation.

Please read this guide to get started and make the best use of your headset's many features.

**[ ! ] IMPORTANT** Using a mobile phone while driving creates a distraction to the driver, and this may increase the likelihood of an accident. When using the phone while driving, keep conversations short and do not make notes or read documents. Before answering calls, consider your circumstances. Pull off the road and park before making or answering calls when driving conditions require it—for example, bad weather, high traffic density, presence of children in the car, or difficult junctions or maneuvers. Always follow local laws.

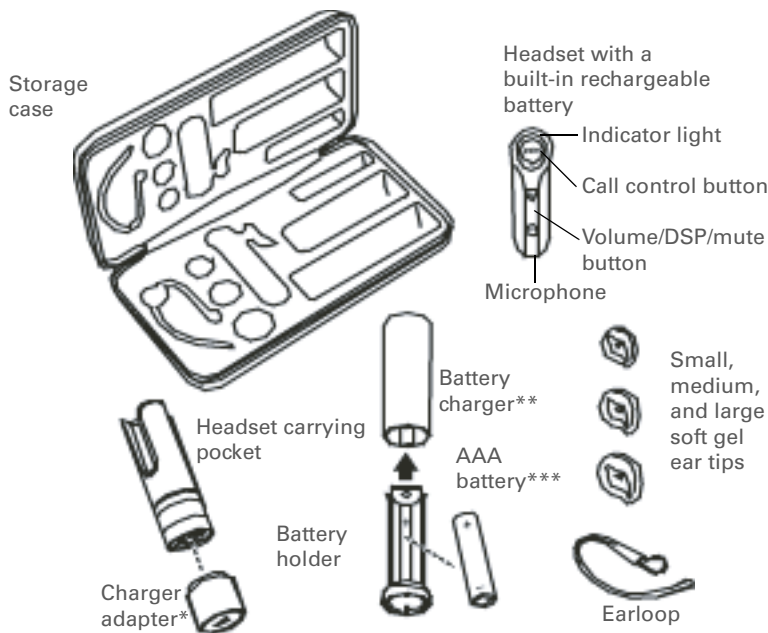
What you'll learn to do in this guide:

- Charge your headset and turn it on
- Check compatibility and pair (form a partnership) with your Bluetooth® phone
- Switch between wearing the headset on your left or right ear
- Make, answer, and end a call
- Use mute
- Use advanced features

**[ \* ] NOTE** Read the [Glossary](#) at the end of this guide to familiarize yourself with important terms.

## Package contents

### Package contents



\*Use only the charger provided with your Palm® Treo™ smartphone and the charging adapter provided.

\*\* Replace the battery with only a non-rechargeable AAA battery.

\*\* This is a AAA-powered battery charger for the headset's rechargeable battery.

## Charging your headset

Your headset contains a rechargeable battery that must be fully charged before using it for the first time. A fully charged headset can be used for up to 3 hours before recharging.

There are two ways you can charge your headset:

**With the AC charger that came with your Treo smartphone** We recommend that you use only the AC charger that came with your Palm Treo smartphone to charge your headset, since no AC charger is included with your headset. Using another AC charger may damage or destroy the headset and can void the warranty on the product.

**With the AAA battery-powered charger provided with your headset** When you use the AAA battery to charge your headset, you can get 2 full charges from it.

Before using, you must first charge your headset 1 hour for a minimum charge and 3 hours for a full charge.

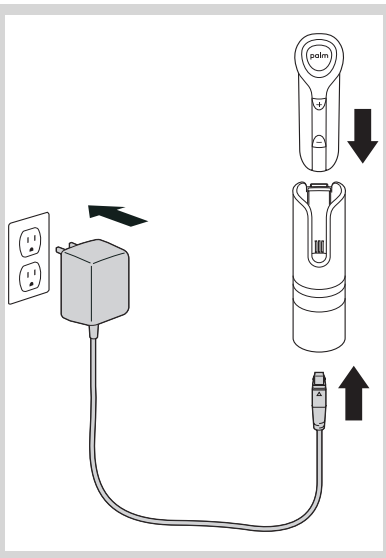
## Charging your headset

## Using your Treo's AC charger

**1** Connect the AC charger to the charging adapter at the base of the headset carrying pocket and plug it into a wall outlet.

**2** Insert the headset into the headset carrying pocket. The red indicator light flashes once every five seconds while the headset is charging.

**3** Charge for three hours for a full charge, and then remove the AC charger from the headset carrying pocket. The red indicator light stops flashing when the headset is fully charged.



You are now ready to pair your headset and your smartphone. If the headset has already been paired with your phone, then you can begin using it.

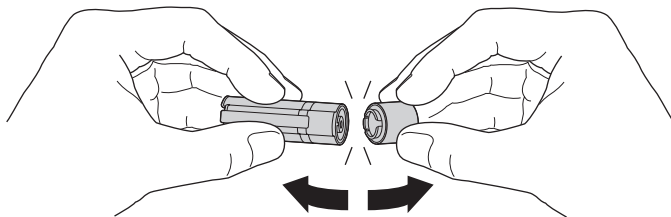
## Using AAA battery-powered charger

1 Slightly twist the bottom of the AAA battery-powered charger counter-clockwise and remove the battery holder.

2 Insert the AAA battery into the holder, slide the battery holder back into the battery charger, and slightly turn clockwise.

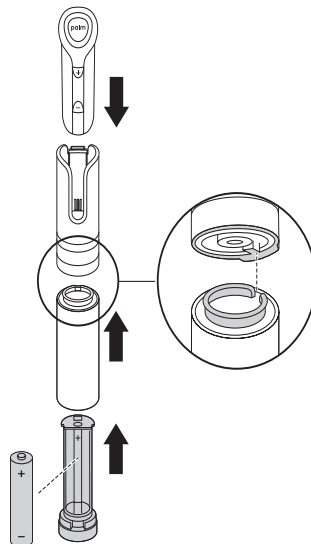
[!] **IMPORTANT** Make sure you **do not use** a rechargeable battery.

3 With the shirt clip facing you, separate the charging adapter from the headset carrying pocket by grasping both attachments and gently bending the outsides forward so that the components snap apart. Do



## Charging your headset

- 4** Line up the opening on the battery holder with the shirt clip on the headset carrying pocket and push the battery charger into the headset carrying pocket until it snaps into place.



- 5** Insert the headset into the headset carrying pocket.

One AAA battery should be able to completely recharge your headset two times before needing replacement. When the headset is fully charged, the red light goes off.

## Pairing your headset with your Bluetooth smartphone

Pairing, also known as forming a partnership, creates a unique and encrypted wireless link between two devices enabled with Bluetooth® wireless technology, such as your Treo smartphone and your ultralight wireless headset.

If pairing is successful, the blue indicator light returns to flashing every five seconds.

**[ \* ] NOTE** Your headset should be turned off before you begin the pairing process. If it is on, see **Turning your headset on and off** for instructions on turning it off.

### Pairing with your Treo smartphone (Palm OS® versions)

- 1 Press and hold down the call control button until the headset status indicator briefly glows blue, then flashes red and blue. The headset is now in pairing mode for the next 60 seconds.
- 2 On your smartphone, press Applications and select Bluetooth  , or tap the Bluetooth icon  at the top of the screen.
- 3 Make sure the Bluetooth setting is on.
- 4 Select Setup Devices, and then select Hands-free Setup.

## Pairing your headset with your Bluetooth smartphone

- 5 Select Next. When the smartphone finds your headset, it displays “Palm Ultralight” with a headphone icon next to it. Select Palm Ultralight, and then select OK.
- 6 A status message appears, telling you that your smartphone is connecting with your headset. When your smartphone asks for a passkey, enter **0000**, and then select OK.
- 7 If the Device Select screen appears, select Headset and select Next.
- 8 On the confirmation screen, select Done.

## Pairing with your Treo smartphone (Windows Mobile versions)

- 1 Press and hold down the call control button until the headset status indicator briefly glows blue, then flashes red and blue. The headset is now in pairing mode for the next 60 seconds.
- 2 On your smartphone, go to the Today screen and tap Bluetooth .
- 3 Check the Turn on Bluetooth box if it is not already checked.

- 4 Select the Devices tab, and then select New Partnership. When the smartphone finds your headset, it displays “Palm Ultralight” with a headphone icon next to it. Select Palm Ultralight, and then select Next.
- 5 When your smartphone asks for a passkey, enter **0000**, and then select Next.
- 6 Check the Hands Free box if it is not already checked, and then select Finish. Press OK.

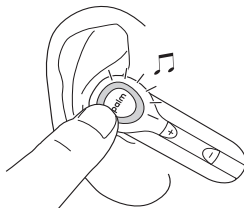
### Pairing with other Bluetooth smartphones

- 1 Press and hold down the call control button until the headset status indicator briefly glows blue, then flashes red and blue. The headset is now in pairing mode for the next 60 seconds.
- 2 Set your Bluetooth phone to discover the headset by following your phone's instruction guide. Typically, the steps involve going to a setup, connect, or Bluetooth menu on your phone and then selecting the option to discover a Bluetooth device.
- 3 When your phone finds the “Palm Ultralight,” it asks if you want to pair. Confirm this by selecting Yes or OK.
- 4 When your smartphone asks for a passkey, enter **0000**, and then select Yes or OK.

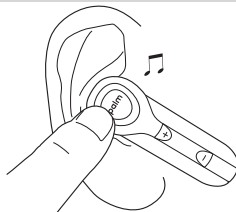
## Turning your headset on and off

## Turning your headset on and off

- 1 Turn on your headset by pressing and holding the call control button until the indicator light glows blue. If you are wearing the headset, you will hear a series of tones when the power turns on. The indicator light flashes blue every 5 seconds when the power is on.



- 2 Turn off your headset by pressing and holding the call control button until the indicator light glows red or until you hear a series of tones. The indicator light remains unlit when the power is off.



When you turn your headset on, after a brief delay, the indicator light displays one of the following charge levels:

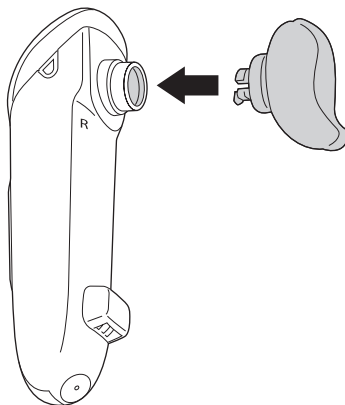
- 3 red flashes = greater than 2/3 battery charge
- 2 red flashes = 1/3 to 2/3 battery charge
- 1 red flash = less than 1/3 battery charge

## Wearing the headset on your left or right ear

Your headset comes with 3 soft gel ear tips and an optional earloop.

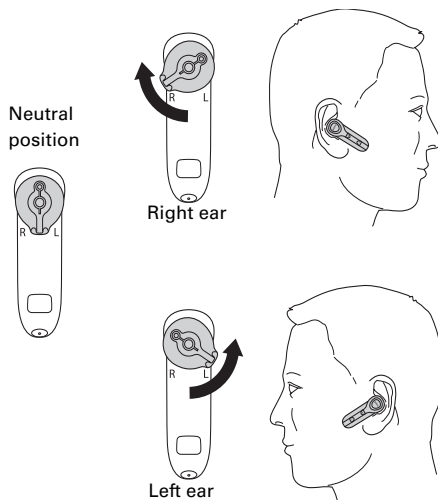
### Inserting a soft gel ear tip

- 1 Select the ear tip size that fits most comfortably in your ear.
- 2 Hold the ear tip with the elongated edge pointing down and push the post into the opening on the headset. This is the neutral position.



## Wearing the headset on your left or right ear

- 3** With the ear tip facing you, twist it towards the **R** for right ear wearing or towards the **L** for left ear wearing.



- 4** To remove the ear tip, make sure it's in the neutral position and then pull it away from the headset.

**[ \* ] NOTE** For optimal performance, wear your headset and your Bluetooth phone on the same side of your body. In general, you will get better performance when there are no obstructions (including parts of your body) between the headset and the phone.

As you move away from your smartphone, the audio quality may degrade. When the connection drops between the devices, you will hear a beep in the headset. When you go out of range, only the power off function will operate.

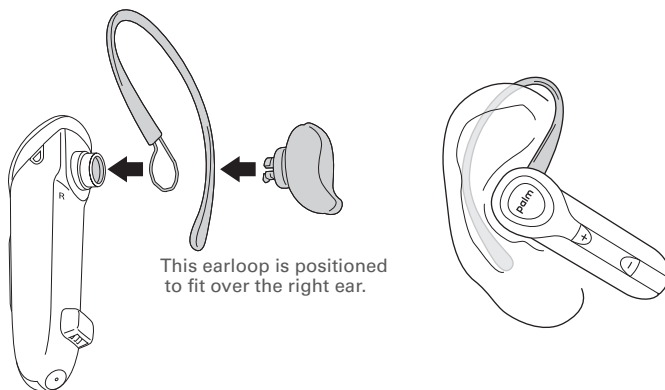


## Wearing the headset on your left or right ear

**Using the earloop**

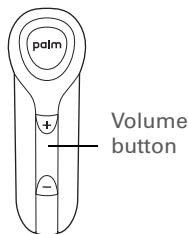
The earloop may be attached to the headset to improve stability.

- 1 Remove the ear tip from the headset by turning it to the neutral position and pulling it away from the headset.
- 2 Attach the earloop between the headset and the ear tip and replace the ear tip. For the right ear, the earloop will be as shown below. For the left ear, reverse the orientation.



## Using your headset

Your headset uses a DSP (digital signal processor) to reduce background noise. By default, DSP noise reduction is on. However, if you want to enable the power saving mode by turning off DSP noise reduction, *before* you make a call, simultaneously press both sides of the volume button. When you release the keys, you will hear two falling tones. To re-enable DSP noise reduction, repeat the steps above and you should hear two rising tones.



When you turn off the headset, DSP noise reduction will be re-enabled the next time you turn it on.

**[ \* ] NOTE** If you press both sides of the volume button at the same time while on a call, you will activate the mute setting, which mutes your voice to the other person.

## Making a call

**1** Turn your headset on.

**2** Dial the number on your smartphone. The call is automatically transferred to your headset.

**[ \* ] NOTE** Depending on the model, your smartphone may not support voice-activated dialing through Bluetooth wireless technology. You must set the voice tags on your phone to use voice-activated dialing. For better recognition, record the voice tags from the headset.

The call is automatically transferred to the headset.

**3** Increase or decrease the call volume by pressing the top and the bottom of the volume control button . The tone you hear increases or decreases to match the call volume.

**4** To end a call, press and release the call control button, or use the controls on your smartphone to end the call. A short beep sounds to confirm that the call has ended.

**[ ! ] IMPORTANT** Use only short presses when making, ending, or answering a call to avoid accidentally activating your headset's advanced features, described later in this guide.

## Answering a call

1 Turn your headset on.

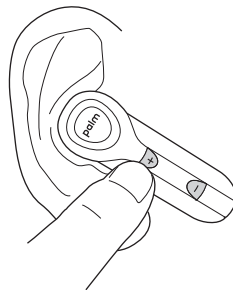
2 Answer a call:

**From your headset** When you hear the headset ring, press and release the call control button. You must wait for the headset to ring before answering.

**From your phone** Press the button on your phone to answer the call as you normally would.

On a Treo smartphone, the call is automatically transferred to your headset. For other phones, you may also need to press and release the call control button to transfer the call to your headset.

3 Increase or decrease the call volume by pressing the top and the bottom of the volume control button . The tone you hear increases or decreases to match the call volume.



## Using auto answer

- 4 To end a call, press and release the call control button, or use the controls on your smartphone to end the call. A short beep sounds to confirm that the call has ended.

**[ ! ] IMPORTANT** Use only short presses when making, ending, or answering a call to avoid accidentally activating your headset's advanced features, described later in this guide.

**[ \* ] NOTE** If your headset has been paired with your phone and you make or answer a call on your phone while the headset is turned off (or is out of range of the phone), when you turn on your headset (or bring it into range of the phone), it automatically tries to connect to the call. If the headset does not automatically connect to the call when you turn it on (or come back into range of your phone), quickly press the **call control** button to connect.

If you miss a call, the headset will flash a short burst of alternating blue/purple every 6 seconds. To clear this, press the call control button.

## Using auto answer

If the headset is in the headset carrying pocket when a call is received, the carrying pocket will vibrate.

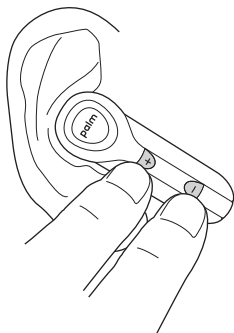
- Remove the headset from the headset carrying pocket to automatically answer the call.
- Return the headset to the headset carrying pocket to end the call.

## Muting a call

To mute your voice while on a call, press both sides of the volume button at the same time until you hear a beep.

To turn off mute, press both sides of the volume buttons again.

## Status indications



### Headset status

Powering on

Power on

Powering off

Power off

### Status indicators

Blue flash followed by 1-3 red flashes indicating battery level

Blue flash every 5 seconds

Red flash and falling tones

No indicators

## Advanced features

| Headset status        | Status indicators                                                    |
|-----------------------|----------------------------------------------------------------------|
| On a call             | Long blue flash every 8 seconds                                      |
| Mute                  | Blue flash every 8 seconds and a single tone sounds every 30 seconds |
| Charging battery      | Red flash every 5 seconds                                            |
| Battery fully charged | No flashes and no color                                              |
| Low battery           | Red flash every second and 2 tones sound every 20 seconds            |
| Pairing mode          | Alternating blue/red flashes for 60 seconds                          |
| Missed call           | Periodic, alternating blue/red flashes                               |
| Ringing               | Rapid, alternating blue/red flashes                                  |

## Advanced features

Advanced features are available for smartphones that support the hands-free Bluetooth profile; this means you can use your headset instead of your smartphone to perform other tasks like redialing and putting a call on hold. Check your smartphone's instruction guide or contact the manufacturer if you are not sure if your smartphone supports the hands-free Bluetooth profile.

**[ \* ] NOTE** Most phone models support the hands-free profile.

**Ignore an incoming call** When your phone rings, press the call control button for 8 seconds to ignore the call. Your call will go to voicemail.

**Put a call on hold** While you're on a call, simultaneously press the volume up and down keys for 2 seconds to put the call on hold. Repeat to retrieve the call.

**[ \* ] NOTE** Depending on your smartphone model, you may need to use the button on your keyboard to put a call on hold. Some smartphones do not support the hands-free call hold feature.

**Redial the last number** To redial the last number you called, press the call control button twice. You will hear a high tone for each press.

**Switching a call from phone to headset** To switch an active call from your phone to your headset, press the call control button for just a second.

**Switching a call from headset to phone** To switch an active call from your headset to your phone, press the call control button for 2 seconds.

**Take a second incoming call (call waiting)** When you are on a call and your phone notifies you of an incoming call, simultaneously press the volume up and down keys for 2 seconds to accept the second call and put the first call on hold. Repeat to switch between calls.

**Use voice-activated dialing** Press the call control button for 2 seconds and, when you hear the tone, say the name of the person you want to dial.

## Common questions

## Common questions

**How far away from my phone will my headset work?**

The operating range is typically up to 33 feet (10 meters).

**Does my headset work with my cordless phone at home?**

Your headset is not designed for use with cordless phones.

**Does my headset work with laptop, desktop, or handheld computers?**

Your headset can work with other devices besides your phone if the device is compliant with Bluetooth version 1.1 or later specifications and supports the headset and/or hands-free profile(s).

**What causes static when I'm using my headset?**

Appliances such as cordless phones and wireless networking equipment may cause interference, adding a crackling noise. To reduce interference, keep the headset away from other devices that use or produce radio waves.

**Will my headset interfere with my car's electronics, radio, or computer?**

Your headset produces significantly less power than a typical mobile phone. It also emits only signals that are in compliance with the international Bluetooth standard. Therefore, it will not interfere with standard consumer-grade electronic equipment.

**Can other Bluetooth phone users hear my conversation?**

When you pair your headset with your Bluetooth phone, you are creating a private link between only these two devices. Devices outside of this pairing cannot participate in the transmission.

## Caring for your headset

- To clean the headset, use a clean, soft, slightly damp cloth.
- Always store your headset with the power off and keep it well protected.
- Avoid storage at high temperatures (above 60°C/134°F)—such as in a hot vehicle or in direct sunlight. (Storage at high temperatures can degrade performance and reduce battery life.)
- Do not expose the headset or any of its supplied parts to rain or other liquids.

## Glossary

### **Bluetooth® wireless technology**

Radio technology developed to connect devices, such as mobile phones and headsets, without wires or cords over a short distance of approximately 33 feet (10 meters). More information is available at [www.bluetooth.com](http://www.bluetooth.com).

### **Pairing (also known as forming a partnership)**

Process that creates a unique and encrypted communication link between two Bluetooth devices and allows them to communicate with each other.

Once you have paired your mobile phone with your headset, the devices recognize each other, allowing the phone to bypass the discovery and authentication process and automatically accept the transmission.

### **Passkey or PIN**

Secret code that you must enter on the phone in order to pair the mobile phone with the headset.

## Product regulatory information

### FCC

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.

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 the receiver.
- Connect the equipment into an outlet on a circuit different from where the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**[!] IMPORTANT** Changes or modifications not covered in this manual must be approved in writing by the manufacturer's Regulatory Engineering Department. Changes or modifications made without written approval may void the user's authority to operate the equipment.

**Responsible Party:**

(North America)  
Plantronics, Inc.  
345 Encinal Street  
Santa Cruz, California 95060  
(831) 426-5858

(Europe)  
Plantronics BV  
South Point, Building C  
Scorpius 140  
2132 LR Hoofddorp  
The Netherlands  
+31 23 5648010

**Palm® wireless headset product family**

**Tested to Comply  
With FCC Standards**

**FOR HOME OR OFFICE USE**

**Europe R&TTE Directive (Europe)****Declaration of Conformity**

Application of Council Directive(s):

|                   |                       |
|-------------------|-----------------------|
| <b>89/336/EEC</b> | EMC Directive         |
| <b>99/5/EC</b>    | RTTE Directive        |
| <b>72/23/EEC</b>  | Low Voltage Directive |

Standards to which Conformity is Declared:

- ETSI301 489-1 (Immunity)
- EN60950 1992/A1:1993/A2:1993/A3:1995/A4:1997/A5:1998 (Safety)
- EN55022:1994/A1:1995/A2:1997/A3:1998 Class B (Emissions)

The product is CE marked. The product fulfills the essential requirements of the harmonized standards shown above.

Manufacturer's Name: Palm, Inc.

## Product regulatory information

Manufacturer's Location: 950 W. Maude Ave., Sunnyvale, California 94085-2801, USA

Importer's Name: Palm Germany GmbH

Importer's Location: Landsberger Strasse 155, D-80687 Munchen, Germany

Type of Equipment: Headset

Model Number: Palm® ultralight wireless headset

Year of Manufacture: 2006

## Approval marks

**Query: Regulatory markings below are FPO until approvals are received. This may happen during localization.**

Singapore approval mark

Approved by IDA for  
use in Singapore.  
DA102238

Australia/New Zealand  
approval mark



Mexico approval mark

**NOM NYCE**  
NOMINACIÓN Y CERTIFICACIÓN  
ELECTRÓNICA A.C.

Taiwan approval mark

ETB ADT094LPD0043

For information on Palm's  
environmental programs, visit  
[www.palm.com/environment](http://www.palm.com/environment).



## Static Electricity, ESD, and Your Palm Device

Electrostatic discharge (ESD) can cause damage to electronic devices if discharged into the device, so you should take steps to avoid such an occurrence.

### Description of ESD

Static electricity is an electrical charge caused by the buildup of excess electrons on the surface of a material. To most people, static electricity and ESD are nothing more than annoyances. For example, after walking over a carpet while scuffing your feet, building up electrons on your body, you may get a shock—the discharge event—when you touch a metal doorknob. This little shock discharges the built-up static electricity.

### **ESD-susceptible equipment**

Even a small amount of ESD can harm circuitry, so when working with electronic devices, take measures to help protect your electronic devices, including your Palm® smartphone, from ESD harm. While Palm has built protections against ESD into its products, ESD unfortunately exists and, unless neutralized, could build up to levels that could harm your equipment. Any electronic device that contains an external entry point for plugging in anything from cables to docking stations is susceptible to entry of ESD. Devices that you carry with you, such as your smartphone, build up ESD in a unique way because the static electricity that may have built up on your body is automatically passed to the device. Then, when the device is connected to another device such as a docking station, a discharge event can occur.

### **Precautions against ESD**

Make sure to discharge any built-up static electricity from yourself and your electronic devices *before* touching an electronic device or connecting one device to another. The recommendation from Palm is that you take this precaution before connecting your smartphone to your computer, placing the smartphone in a cradle, or connecting it to any other device. You can do this in many ways, including the following:

- Ground yourself when you're holding your mobile device by simultaneously touching a metal surface that is at earth ground. For example, if your computer has a metal case and is plugged into a standard three-prong grounded outlet, touching the case should discharge the ESD on your body.
- Increase the relative humidity of your environment.
- Install ESD-specific prevention items, such as grounding mats.

### **Conditions that enhance ESD occurrences**

Conditions that can contribute to the buildup of static electricity in the environment include the following:

- Low relative humidity.
- Material type. (The type of material gathering the charge. For example, synthetics are more prone to static buildup than natural fibers like cotton.)
- The rapidity with which you touch, connect, or disconnect electronic devices.

While you should always take appropriate precautions to discharge static electricity, if you are in an environment where you notice ESD events, you may want to take extra precautions to protect your electronic equipment against ESD.

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Palm, Inc. uses the Bluetooth wireless technology trademark under express license from Bluetooth SIG, Inc.

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Palm, Inc.  
950 W. Maude Ave.  
Sunnyvale, California 94085-2801  
United States of America

PN: XXX-XXXXX-XX  
v. 0.0