CL910 Tablet PC

Model FWS-001

User's Guide

© 2012 Motion Computing, Inc. All rights reserved.

This document contains information protected by copyright. No part of this document may be reproduced in any form without written consent from Motion.

The information in this document is provided "as is" and is subject to change without notice. Motion is not liable for errors or omissions in this document.

Motion, Motion Computing, Speak Anywhere, View Anywhere, and QuickNav are trademarks or registered trademarks of Motion Computing, Inc. in the U.S.A. and other countries.

Acrobat is a registered trademark of Adobe Systems Incorporated.

Bluetooth is a registered trademark owned by the Bluetooth SIG, Inc., U.S.A. and licensed to Motion Computing, Inc.

Intel, Intel Atom, Core, vPro, and Centrino are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Computrace is a registered trademark of Absolute Software Corp.

Knowles and IntelliSonic are trademarks or registered trademarks of Knowles Acoustics, Inc.

OmniPass is a trademark of Softex, Inc.

Realtek is a trademark of Realtek Semiconductor Corporation.

Microsoft, Windows, and Windows Journal are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

Motion Computing, Inc. has made every effort to identify trademarked properties and owners on this page. All brands and product names used in this document are for identification purposes only and may be trademarks or registered trademarks of their respective companies.

The warranties for Motion products are set forth in the express limited warranty statements accompanying such products. Nothing in this document constitutes an additional warranty.

The Motion Computing products and services may be covered by one or more patent-protected inventions. Additional patents may also be pending. For more information, see www.motioncomputing.com/info/patents.asp.

The end user may access only one operating system language version.

L'utilisateur final ne peut accéder qu'à une seule version linguistique du système d'exploitation.

Der Endbenutzer darf nur auf eine Sprachversion des Betriebssystems zugreifen.

De eindgebruiker heeft slechts toegang tot één taalversie van het besturingssysteem.

L'utente finale può accedere a una sola lingua del sistema operativo.

El usuario final sólo podrá acceder a una versión de idioma del sistema operativo.

Loppukäyttäjä voi käyttää vain yhtä käyttöjärjestelmän kieliversiota.

Användaren har endast tillgång till en språkversion av operativsystemet.

Slutbrugeren har kun adgang til ét af operativsystemets sprogversioner.

Contents

Chapter 1 Getting Started 1

Optional features 2
Mobile broadband with GPS 2
Security 2
CL-Series Motion SlateMate™ 2
Overview of the CL910 3
Top view 3
Bottom view 3
Front view 4
Back view 5
Right side view 5
Left side view 6
Pen 7
CL-Series SlateMate 7
Where to begin with your CL910 8
Step 1: Power up the tablet 8
Step 2: Connect to a wireless network 8
Step 3: Get familiar with your CL910 Tablet PC 10
Step 4: When you take a break 10
Optional setup tasks 12

Docking or floating the input panel 25
Entering numbers with numbers pad 25
Entering special keys with the extended keyboard 26
Using handwriting recognition 26
Using Motion QuickNav 27
Starting Motion QuickNav 27
Hiding and showing the Motion QuickNav toolbar 29
Stopping Motion QuickNav 29
Accessing Motion QuickNav help 29
Setting Motion QuickNav options 29
Using the Motion QuickNav tools 29
Using the cameras with Motion QuickNav 30
Using the web camera 31
Taking photos with Motion QuickNav 31
Editing photos 34
Switching cameras 36
Locating Motion QuickNav output 37
Setting display options 39
Adjusting the display brightness 39
Rotating the display orientation 39
Enabling or disabling automatic rotation 39
Setting up an external display 40
Connecting to an external monitor 41
Using the built-in microphones 42
Using speech recognition 43
Setting up speech recognition 43
Using dictation and voice commands 44

Chapter 3 Caring for your CL910 55
General care 55
Caring for the display 56
Cleaning solutions 56
Caring for the pen 56
Caring for the tablet battery 57
Traveling with your CL910 Tablet PC 57

Chapter 4 Troubleshooting and FAQs 58
Troubleshooting 58
Power issues 58
Battery issues 59
Display issues 59
Touch or pen issues 60
Ports and connectors issues 62
Network issues 62
Audio issues 65
Motion QuickNav issues 66
System issues 66
Frequently asked questions 67

Index 70

Getting Started 1

The Motion Computing® CL910 Tablet PC is durable, lightweight, and purposefully built for mobile business. Running Microsoft® Windows® 7 and powered by the Intel® Atom™ N2600 Dual Core processor, the CL910 balances power, performance, and a battery life of up to 7 hours. Weighing 2.2 pounds, and offering added durability and productivity features, the CL910 helps users work more efficiently, providing the capabilities, applications, and connectivity mobile workers need for improved field productivity.

The CL910 Tablet PC includes these features:

- Intel® Atom™ N2600 Dual Core processor (1.6 Ghz)
- Windows® 7 Professional (32-bit)
- 2GB 1333MHz DDR3

Optional features

This section describes the optional features available for your CL910.

Mobile broadband with GPS

You can purchase a CL910 Tablet PC with the optional mobile broadband with GPS module. When installed, the module provides:

- Worldwide mobile broadband support
- Worldwide GPS support

Motion Connection Manager is an application that you can use to manage your mobile broadband and GPS network connections. For information on setting up mobile broadband, see Set up mobile broadband with GPS on page 9.

The GPS receiver uses satellites to determine the current location, altitude, heading, and horizontal velocity of the CL910. You can use it with your preferred mapping applications to find your current and desired locations.

Security

TPM

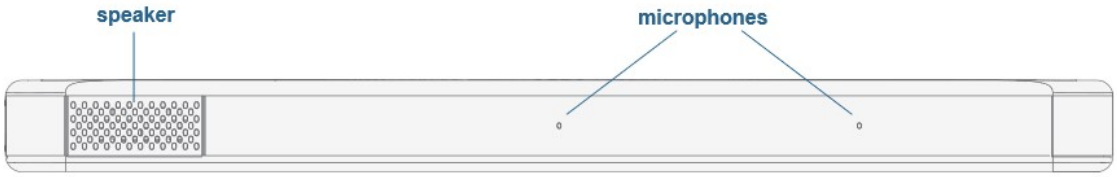
TPM is used by enterprise-level software applications to implement advanced security features that include user and device authentication; full disk data encryption; and restricted network access.

Overview of the CL910

The following illustrations show the buttons, slots, and ports on the CL910 Tablet PC.

Top view

The speaker and microphones are located on the top edge of the CL910.



CL910 top view

Speaker	Listen to audio warnings, videos, music, and other multimedia applications.
Microphones	Use voice commands, record audio, and dictate notes with the two liquid-resistant array microphones without the need for an external microphone. For more information, see Using speech recognition on page 43.

NOTE: In addition to the built-in speaker and microphones, you can plug external headsets into the audio in/out jack.

Front view

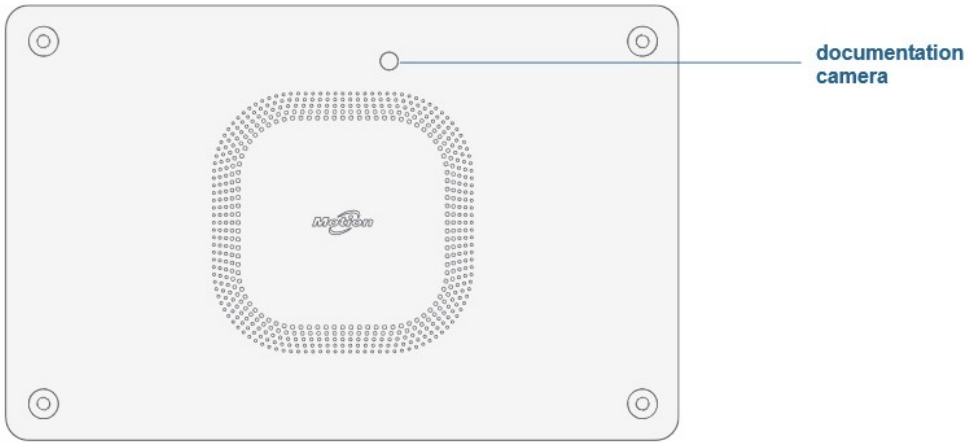
The front of CL910 consists of a capacitive touchscreen display, web camera, and battery gauge.

CL910 front view

Web camera	Interact with people online, stream video, or capture color images with a 1.3 MP web camera.
Battery gauge	Monitor battery status. When running on battery, LED lights on the front show the current level of battery charge. See Checking tablet battery power on page 47.
Touchscreen display	Use your finger or pen to access all the functions of the

Back view

The documentation camera is located on the back of the CL910.



CL910 back view

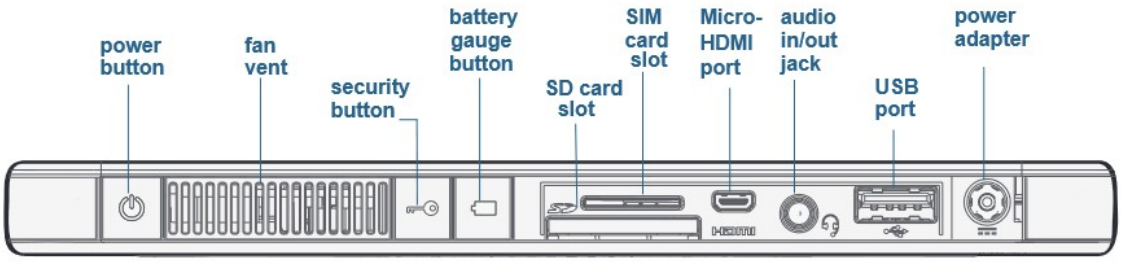
Documentation camera	Take photos or video with this 3.0 MP, auto-focus camera. It produces pictures in JPG format with a resolution of up to 2048 x 1536 pixels.

Right side view

The pen is stored in a storage drawer on the right side of the CL910.

Left side view

Most of the CL910 connectors and slots appear on the left side of the tablet. The ports are protected by a cover that is not shown in the picture below.



CL910 left side view

	Power button	Press to turn on and to put the CL910 Tablet PC to sleep.
	Fan vent	Cooling unit
	Security button	Press to lock and unlock the CL910. Equivalent to pressing Ctrl+Alt+Delete on a keyboard.
	Battery gauge button	Check remaining battery power. Press the button to view battery gauge LED lights on the front, the

Pen

The CL910 supports touch with your finger as well as input with a CL-Series digitizer pen. You may find the pen handy when you want to write a quick email or take notes. The pen is particularly effective for precise data entry and navigation.

The pen is a battery-powered electronic digitizer with a pressure-sensitive tip and function button. When pressed, the function button displays a shortcut (right-click) menu. The pen comes with an AAAA battery and pen tether.

CL-Series Digitizer Pen

You can purchase additional pens from the Motion Computing Accessories page. For more information on using the pen, see Using touch on page 19.

NOTE: The CL910 pen is officially called the CL-Series Digitizer Pen on the Motion Computing website. For simplicity, this book refers to it simply as the CL910 pen or pen.

CL-Series SlateMate

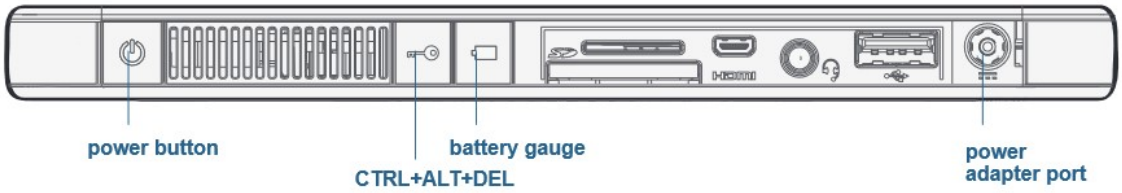
The CL-Series SlateMate is a productivity module integrated with the CL910 and it contains a magnetic stripe reader (MSR) and barcode scanner (BCS)

Where to begin with your CL910

This section includes some steps you can follow to power up and get familiar with your CL910 Tablet PC.

Step 1: Power up the tablet

1. Pull out the port door located at the bottom of the left side of the CL910 to expose the AC adapter port and plug in the AC adapter.



Powering up the CL910

2. Plug the power cord into an outlet.
   - The battery gauge turns amber to indicate that the battery is charging.
   - Keep the tablet on AC power until the battery is fully charged (the battery gauge turns green). You don't have to wait until the tablet is fully charged to turn it on.
3. Press and release the power button located on the top left side of the CL910 to turn it on.
4. Follow the on-screen instructions to set up your user account and activate Windows® 7

To enable wireless adapters:

1. Open the Motion Dashboard. From the Windows® taskbar, tap the Motion Dashboard icon .
2. Tap **Wireless**.
3. Tap the checkboxes next to all wireless networks you want to use:
   - **Enable Bluetooth Internal Wireless**
   - **Enable 802.11 Internal Wireless**
   - **Enable Mobile Broadband with GPS** (If this option is not listed, your CL910 does not have mobile broadband installed.)

NOTE: To extend battery life, enable only the wireless devices that you will be using.

Set up Wi-Fi

Connect to the Internet and other computers using Wi-Fi.

To set up Wi-Fi:

1. Enable Wi-Fi from the Motion Dashboard.
2. From the Windows® notification area, tap the wireless network icon .
3. Tap the desired wireless network from the list of available networks.

Set up mobile broadband with GPS

If you purchased the optional mobile broadband module for your CL910, you can connect

Set up Bluetooth

The CL910 has a built-in Bluetooth adapter that provides short-range wireless connectivity with other Bluetooth-enabled devices.

To set up Bluetooth:

1. Enable Bluetooth from the Motion Dashboard.
2. Add a Bluetooth device:
   a. From the Windows® notification area, tap the Bluetooth icon and select **Add a Device**.
   b. Make sure the device is discoverable according to the Bluetooth device manufacturer's instructions. When a Bluetooth device is discoverable, it is visible to other Bluetooth devices within range.
   c. Select the desired Bluetooth device from the list of available devices.
   d. Follow the on-screen instructions to complete the procedure.
3. Make the CL910 discoverable (visible) to other Bluetooth devices:
   a. From the Windows® notification area, tap the Bluetooth icon and select **Open settings**.
   b. On the **Options** tab, select **Allow Bluetooth devices to find this computer**.

Step 3: Get familiar with your CL910 Tablet PC

Once you've set up your CL910, take a few minutes to get familiar with your tablet PC

Lock and unlock the tablet PC

To lock the tablet PC, either:

- Press and the security button on the left side of the tablet.
- If a keyboard is attached, enter **Ctrl+Alt+Delete.**

To unlock the tablet:

- Press the security button or **Ctrl+Alt+Delete** again.

Sleep mode

Place your tablet in Sleep mode when you go away for a short period of time. Sleep mode conserves battery power while you are away and when you return, your desktop is the same as you left it. Sleep mode is sometimes called "standby."

To put the tablet in Sleep mode:

- Save your files.
- Press and release the power button .
  Note: While in Sleep mode, the power button flashes green.

To wake up the tablet from Sleep mode:

- Press and release the power button .

The tablet quickly resumes activity and your desktop is the same as you left it.

For more information on power options, see Changing how the power button functions on page 50.

Optional setup tasks

This section provides information about some other tasks you may want to perform when you're getting started with your CL910.

Create a recovery image

Once you have set up your CL910 including installing your applications, create a system image on an external USB drive. This is a safety measure in the event that your system stops working.

A system image is an exact copy of a drive and includes Windows® 7, your system settings, programs, and files. For more information, see Creating a system image on page 52.

Insert the pen battery

The pen is included with your CL910 and comes in a separate package along with an AAAA battery and pen tether.

To insert the pen battery:

1. Unscrew the pen cap.

2. Slip the other end of the tether through the attach point on the CL910 then pull the pen through the loop until it is tight.

TIP: You may find it helpful to use a small screwdriver or something similar to assist with threading the loop through the tight space of the tether attach point.

You can purchase additional pens and tethers from Motion Computing Accessories.

Connect the tablet to a docking station

The docking station for the CL910 is a separate accessory that you can purchase from the Motion Computing Accessories page.

The docking station includes

- Three USB ports to connect a keyboard, mouse, or other USB devices
- An Ethernet port to connect to a local network
- A pen holder with a pen tether attach point

To connect the tablet to a docking station:

1. Connect the AC adapter to the port on the back of the docking station.
2. If desired, connect a mouse and/or keyboard to the USB ports on the back of the docking station.
3. Place the CL910 on the top of the docking station and seat the bottom of the tablet onto the Docking connector.

TIP: You will know if the tablet is seated properly if the battery gauge located on the left side of the tablet lights up.

For more information

This *User's Guide* introduces the full set of CL910 features and provides instructions for common tasks you'll perform. The other chapters in this *User's Guide* include the following information:

- **Using your CL910**—Provides instructions for basic CL910 tasks including how to customize your tablet to fit the way you work using Motion Dashboard, how to use the cameras, how to set up speech recognition, and more.
- **Caring for your CL910**—Provides suggestions for the care and maintenance of your Tablet PC.
- **Troubleshooting and FAQs**—Provides answers to common issues you may encounter as you use your CL910.

The *Getting Started* document located on the CL910's desktop provides a number of tips to get you started using the tablet quickly.

You will find other useful information on our website:

- Tablet PC Tips & Tricks
- Motion Computing Support
- Free online training videos
- Knowledge Base
- Motion Computing Accessories
- Motion Computing Store

NOTE: This guide is available in French, German, Spanish and Portuguese on our website.

Using your CL910

2

This chapter provides information about performing common tasks such as customizing touch and changing tablet settings.

Introducing the CL910 desktop and applications

When you start up the CL910 for the first time, the desktop looks like the following picture. Motion Computing applications appear in the taskbar and Windows® notification area.

The Motion Computing applications are described below.

	Motion Getting Started	Document that contains tips for starting out with the CL910 Tablet PC
	Motion Dashboard	Motion application for changing tablet settings. See Using the Motion Dashboard on page 16.
	Motion QuickNav	User interface designed for touch devices. You can use this to access the web and documentation cameras. See Using the cameras with Motion QuickNav on page 30.

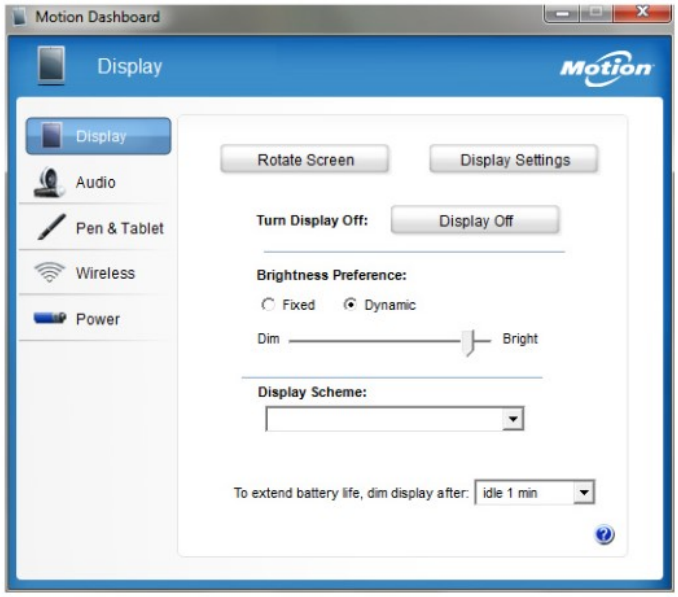
Changing the location of the taskbar

You may find it convenient to place the Windows® taskbar on the left edge of the touchscreen display.

To place the taskbar on the left edge of the screen:

1. Press and hold the Start menu icon and tap **Properties**.
2. Tap the **Taskbar** tab.
3. Make sure that **Lock the taskbar** is checked.
4. Under **Taskbar location on screen**, select **Left**.
5. Tap **OK**.

Motion Dashboard is organized into categories, which are listed on the left of the Dashboard. Tap a category to display its settings. In this illustration, Motion Dashboard is open to Display settings.



Motion Dashboard

The following table lists some of the tasks you can perform using the Motion Dashboard.

NOTE: This is a partial list of tasks that you can perform with Motion Dashboard.

Dashboard Category	Task
Display	• Rotate the display orientation • Adjust the brightness of the display • Set advanced graphic properties • Set up an external display • Dim the display automatically
Audio	• Adjust speaker and microphone volume • Adjust advanced audio settings • Suppress background noise • Balance speakers
Pen & Tablet	• Configure touch to use touch only, pen only, or both simultaneously • Adjust touch to left-handed setting • Adjust sensitivity to flicks and gestures • Use the pen function button for erasing digital ink instead of performing the right-click action • Personalize your handwriting so that it can be recognized more accurately
Wireless	• Enable and disable Wi-Fi, Bluetooth, and mobile broadband • Choose to have wireless disabled on Startup (it is enabled by default) • Adjust Wi-Fi, Bluetooth, and mobile broadband properties
Power	• Select a power plan • Change what the power button does when pressed: sleep, hibernate, or shut down

Tap the Motion icon to display:

- **Battery Health**—Shows the current battery charge level
- **Motion Dashboard**—Opens the Motion Dashboard
- **Options**—Lists options you can set:
  - **Show Hard Drive Activity**—When selected, the Motion icon blinks when there is hard drive activity.
  - **Automatic Display Rotation**—When selected, the CL910 automatically changes the viewing orientation (landscape to portrait or vice versa) when the tablet is physically rotated.

Using touch

With the CL910 dual touchscreen display, you can use either your finger, a pen, or both to interact with the touchscreen display. While it's convenient to use your finger most of the time, a pen allows you more precise control, for example, when editing documents or drawing graphics.

With touchscreen displays, you use your finger or pen as you would use a mouse. For example, tapping twice is the same as double-clicking a mouse. Tapping and holding is the same as right-clicking a mouse to open shortcut (right-click) menus.

You can use touch to:

- Select menu items and open files.

NOTE: If the tablet does not respond when you tap with your finger, try using more of your fingertip. Unlike other types of touchscreens, the CL910 capacitive touchscreen does not respond to other input. For example, you can't tap it with another object such as a credit card or when wearing gloves.

How to use gestures with the multiple-touch display

The CL910 touchscreen display supports multi-touch that allows you to directly manipulate items on-screen, such as to navigate websites and view photos. For example, you can use your fingers to scroll through lists, zoom in and out, rotate, and so on.

Changing to one-tap open for touch

With touch, you may want to change how you select and open items. By default, Windows® folders are set up so that you tap once to select an item and double-tap to open it. You can change the behavior to point to select an item and open an item with one tap instead of two.

To change folder options:

1. From the Windows® Control Panel, tap **Appearance and Personalization**, **Folder Options**, then tap **Specify single- or double-click to open**.
2. Under **Click items as follows**, tap **Single-click to open an item (point to select)**.

For more information, open Windows® Help and search for "folder options."

Configuring touch input mode

Using the touch tuning option

If you find that the touchscreen doesn't respond as you expect, or if the tablet starts to respond to unintentional touch input, you can fine-tune touch by resetting the touch system to its optimal state by selecting the touch tuning option from **Pen & Tablet**.

To use the touch tuning option:

1. Open Motion Dashboard.
2. Tap **Pen & Tablet**.
3. Tap **Touch Settings**.
4. From the **Digitizer Options** tab, under **Touch Tuning** tap **Start** and wait for the program to complete.

NOTE: Do not touch the screen during the tuning process.

Adjusting touch settings

You can adjust how your finger movements are interpreted in many ways. For example, you can:

- Adjust how quickly the tablet responds when you double-tap your finger.
- Adjust how quickly the tablet responds when you press and hold your finger.
- Show the touch pointer when interacting with items on the screen.
- Change the touch pointer location, which can be helpful if you're left-handed.
- Enable or disable multi-touch gestures and inkings.

10. To change what the touch pointer looks like or where it's positioned, tap **Advanced Options**.

To change the location of menus for left-handed users:

1. Open Motion Dashboard.
2. Tap **Pen & Tablet**.
3. Tap **Tablet PC Settings**.
4. Tap the **Other** tab and tap **Left-Handed**.

Adjusting pen settings

If the pen doesn't respond as accurately as you would like, you can make adjustments. For example, you can:

- Use the button on the pen to perform the right-click action or act as an eraser.
- Adjust how quickly the tablet responds when you double-tap the pen.
- Adjust how quickly the tablet responds when you press and hold the pen button.

Important: The CL910 Tablet PC responds only to the CL-Series pen that comes with the tablet. Do not use traditional pens or other pointing devices with the CL910.

To change pen settings:

1. Open Motion Dashboard.
2. Tap **Pen & Tablet**.
3. Tap **Pen & Input Devices**.

Adjusting tablet PC settings

From **Tablet PC Settings**, you can change from right-handed to left-handed use.

To change hand orientation:

1. Open Motion Dashboard.
2. Tap **Pen & Tablet**.
3. Tap **Tablet PC Settings**.
4. Tap the **Other** tab and make your desired change.

The **Tablet PC Settings Display** tab has a **Calibrate** option. This does not apply to the CL910. Instead, if touch input does not behave as expected, you can tune touch as described in Using the touch tuning option on page 21.

The **Configure your pen and touch displays** option on the **Tablet PC Settings Display** tab is useful for assigning touch to the appropriate display when one or more displays are connected to the tablet. By default, Windows® 7 assumes that an external display is for touch input. To change this, run **Setup** from **Tablet PC Settings** to assign touch to your tablet display.

NOTE: A keyboard must be connected to the tablet to perform this procedure.

To assign touch to the desired display:

1. Open Motion Dashboard.
2. Tap **Pen & Tablet**.

Input panel open to the writing pad

TIP: Tap the icons at the top of the input panel to view videos on making editing gestures. To hide the video tips, tap the icon on the right.

By tapping the keyboard icon at the top of the pad, the input panel opens to the on-screen keyboard.

Here's the input panel open to the on-screen keyboard. Tap the **Tools** menu for more input panel options and for viewing **Help Topics**.

To open the input panel, either:

- Tap at the place you want to enter text, such as in a text box. Then tap the input panel icon .
- Tap the input panel tab on the left edge of the screen .

To close the input panel

- Tap the close button at the top right. The input panel slides back to the edge of the screen.

Docking or floating the input panel

By default, the input panel is floating and you can move it anywhere on the screen by placing your finger or pen on the title bar and dragging it.

If you prefer, you can dock the input panel so that when it is open, it always appears at the same location, either at the top or bottom of the screen.

To dock or undock the input panel:

1. At the top of the input panel, tap **Tools**.
2. Select **Docking**.
3. Select either **Dock at the top of the screen**, **Dock at the bottom of the screen,** or **Float**.

TIP: If you're left-handed, you can move the input panel to the right edge of the screen to make

Entering special keys with the extended keyboard

You can enter special keys using the on-screen expanded keyboard. Special keys include:

- **Home**, **End**, and **Insert** keys
- **PgUp** and **PgDn** keys
- **PrtScn** key
- **Pause** key
- **ScrLck** key

To open the expanded keyboard:

- Tap the **Tools** key at the top of the input panel and choose **Show Expanded Keyboard**.

Expanded keyboard

Using handwriting recognition

TIP: If you inherit your CL910 from another user, you can reset automatic learning.

To reset handwriting automatic learning:

1. Tap the Windows® **Start** button.
2. In the search box, type **personalize handwriting recognition**.
3. in the list of results, tap **Personalize handwriting recognition**.
4. Tap **Change automatic learning settings**.
5. Select **Don't use automatic learning, and delete any previously collected data.**

NOTE: You can find other handwriting applications at the Motion Computing Store.

Using Motion QuickNav

Motion QuickNav is a user interface application designed specifically for touch. You can use Motion QuickNav to:

- Take photos and insert them directly into your documents or email. For details on using the photo camera, see Taking photos with Motion QuickNav on page 31.
- Hold video chats with the web camera.
- Record video clips. For details, see Using the Motion QuickNav tools on page 29.
- If you have the GPS module, you can acquire GPS locations and insert them in your documents, Microsoft® Excel® spreadsheets, or tag photos (called a geotag). You can also get driving instructions and other online services such as getting local fuel prices.

The Motion QuickNav keyboard appears at the bottom of your desktop.

Motion QuickNav keyboard

NOTE: As Motion QuickNav starts up, the screen displays "Motion QuickNav powered by Dial Keys." Dial Keys is the vendor that created Motion QuickNav for Motion Computing.

1. Tap the Motion QuickNav toolbar icon located on the bottom left of the keyboard to open the Motion QuickNav toolbar.

Hiding and showing the Motion QuickNav toolbar

While Motion QuickNav is running, the Motion QuickNav toolbar appears on the right side of the desktop. You can hide the toolbar from view and show it only when you want to use it.

To hide and show the Motion QuickNav toolbar:

1. From the Windows® notification area, tap the Motion QuickNav icon .
2. To show the toolbar, tap the Motion QuickNav icon again.

Stopping Motion QuickNav

When you are finished using Motion QuickNav, stop the application from the Windows® notification area.

To stop Motion QuickNav:

1. From the Windows® notification area, tap and hold the Motion QuickNav icon .
2. Tap **Exit**.

Accessing Motion QuickNav help

For more details on using Motion QuickNav, view Motion QuickNav help.

To view Motion QuickNav help:

2. Tap the Options icon to set up the scanner. You can choose to:
   - Set the type of barcode the scanner recognizes. For best performance, disable the codes you do not need.
   - Use the front- or rear-facing camera to scan the codes.
   - Change the resolution. Use a higher the resolution to improve accuracy; use a lower resolution to improve performance.

NOTE: Motion QuickNav does not support PDF417 barcodes.

To use the Motion QuickNav voice recorder:

1. Open the Motion QuickNav toolbar then tap the voice recorder icon .
2. You can choose to:
   - Send a voice message by email.
   - Create a voice journal and add voice messages to it.
   - Add a voice note to an active application.
3. Tap the Options icon to set up the device to use for recording or playback or to change the location of your voice journal.

   Note: For another way to use speech, see Using speech recognition on page 43.

To use the Motion QuickNav video recorder:

1. Open the Motion QuickNav toolbar then tap the video recorder icon .
2. Tap the appropriate icons to start, pause, save, or cancel a recording.

Using the web camera

You can use the web camera with a variety of applications and some applications can make use of both cameras. For example, Skype can detect the front and rear cameras and allow you to switch between them during a video conference.

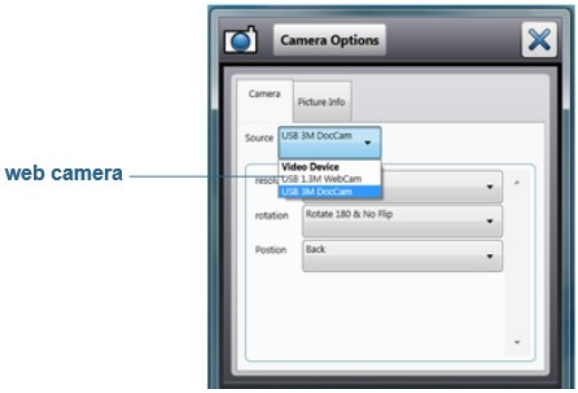
To start the web camera with Motion QuickNav:

1. Open the Motion QuickNav toolbar then tap the camera icon to open the viewfinder.

   If you are not in view, you need to change Motion QuickNav to use the web camera.

2. To set Motion QuickNav to use the web camera, tap the Options icon at the top of the viewfinder.

3. From the Camera Options menu, Camera tab, Source, select USB 1.3 web camera:



When you select the camera tool from the Motion QuickNav toolbar, the viewfinder appears.

Motion QuickNav photo viewfinder

The Action menu on the top right allows you to choose how Motion QuickNav handles your photos as you take them. You can store them on disk, email them, or send them to the

Take photos and save in a folder

To take photos using Motion QuickNav and save them in a folder:

1. Open the Motion QuickNav toolbar then tap the camera icon to open the viewfinder.

   If you see yourself in the viewfinder, Motion QuickNav is set to use the web camera. Switch to the rear documentation camera as described in Switching cameras on page 36.

2. Make sure the folder icon is selected under the Actions menu.

3. Frame the subject of your photo in the viewfinder and tap the shutter icon to take the photo.

4. As you continue to take photos, they appear in the temporary folder located on the left of the viewfinder.

5. Select a photo from the left to annotate it or make any other edits. For more information, see Editing photos on page 34.

6. By default, the photos are saved automatically in a folder called New Pictures under the Documents\Camera folder. To go to or change the folder location, see Locating Motion QuickNav output on page 37.

7. When you're done, tap the close icon to close the viewfinder.

Take photos and attach to an email message

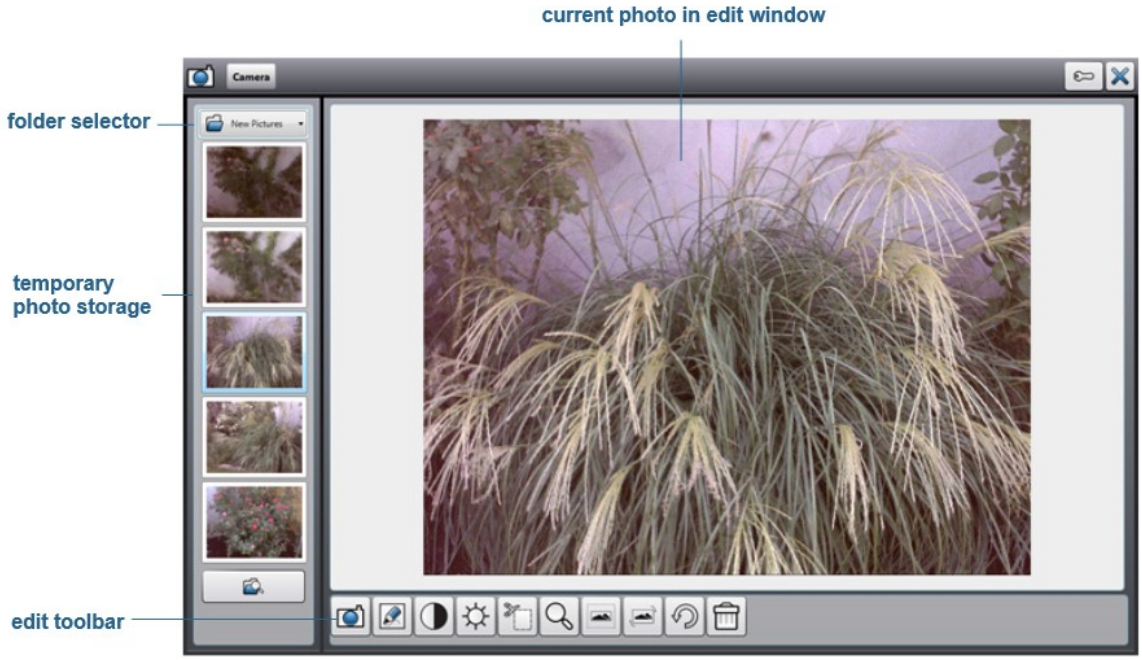
6. When you're done, tap the close icon to close the viewfinder. A new email message opens with the photos attached.

Take photos and insert in an application

You can insert a photo directly into an application by choosing the clipboard icon from the Action menu. Take a photo, close the viewfinder, then the photo appears where your cursor is located in the application.

To insert a photo into an active application:

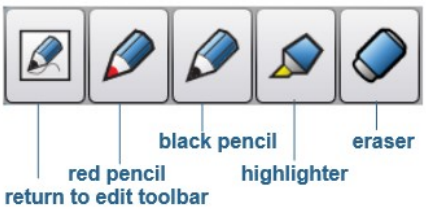
1. From the application, place the cursor where you want the photo to appear.
2. Open the Motion QuickNav toolbar then tap the camera icon to open the viewfinder.
3. Select the clipboard icon from the Action menu.
4. Frame the subject of your photo in the viewfinder and tap the shutter icon to take the photo. The photo appears in the edit window.
5. You can add notes or make any other edits to the photo from here. For more information, see Editing photos on page 34.
6. Tap the close icon located at the top right of the viewfinder.
7. The photo appears in your application.



Motion QuickNav edit window

Motion QuickNav calls this "review mode" because photos are available for editing as long as you have the Motion QuickNav viewfinder open. Once you close the viewfinder, Motion QuickNav sends the photo to the chosen output: clipboard, email, or folder. If you've saved your photos in a folder, you can make further changes using the photo editing software of

3. Tap the pencil icon to enter annotate mode.



Motion QuickNav pencil toolbar

4. Tap the desired pen color or highlighter. Use the eraser if necessary. Then tap the pencil icon again to return to the edit toolbar.
5. Make any other adjustments by selecting the appropriate icon. For example, you can crop, zoom, rotate, or adjust brightness or contrast. You can add white space to the top, bottom, right, or left side of the photo by selecting the extend icon . Tap the undo icon to remove your edits.
6. When finished editing the photo, tap the camera icon to return the viewfinder. Your edits are saved automatically.
7. Either select another photo to edit or return to camera mode.

Switching cameras

When using Motion QuickNav as your camera application, you switch between using the web camera and documentation camera from the Motion QuickNav Camera Options menu.

3. From the Camera Options menu, tap **Camera** tab, then under **Source**, select the desired camera:
   - **USB 1.3M WebCam** for the web camera
   - **USB 3.M DocCam** for the rear documentation camera

Note: You can change the photo resolution to either improve the picture quality (by choosing a higher resolution, such as 1600x1200) or to reduce the file size (by choosing a lower resolution such as 160x120). You can also rotate the camera from this menu.

4. Tap the close icon to close the Options menu.

Locating Motion QuickNav output

When you take photos, videos, or sound recordings with Motion QuickNav, QuickNav places them in default folders and you can access these folders directly from the Motion QuickNav toolbar by tapping the folder icon to switch to folder mode. A folder icon appears in

Motion QuickNav folder mode

To locate the folders where Motion QuickNav stores content:

1. Open the Motion QuickNav toolbar then tap the folder icon to switch to folder mode.
2. Tap the folder icon for the output type you want to change.
3. To leave folder mode, tap the folder icon .

Setting display options

Use the procedures in this section to customize your display settings. You can adjust the brightness level, rotate the display, and change the order in which the display rotates.

Adjusting the display brightness

You can change the brightness of the display, which is useful for conserving battery power.

To adjust the display brightness:

1. Open Motion Dashboard.
2. Tap **Display**.
3. Move the Brightness slider to the desired level.

TIP: For optimal battery conservation and viewability, set the brightness scale to the mid-point or slightly above.

4. Select one of the following:
   - **Fixed**—Sets the display brightness to a constant level. Move the slider to adjust the display to the desired brightness level. When set to Fixed, the ambient light sensor is ignored.
   - **Dynamic**—Uses the ambient light sensor to maintain an appropriate brightness level for the current lighting condition. The Dynamic setting helps to conserve battery power.

Rotating the display orientation

Setting up an external display

You can use your tablet with an external monitor or projector.

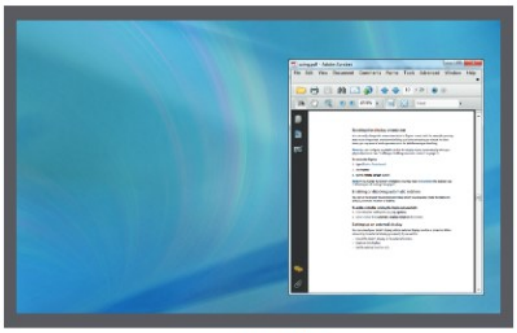
Display settings

When connecting to an external display, specify whether to:

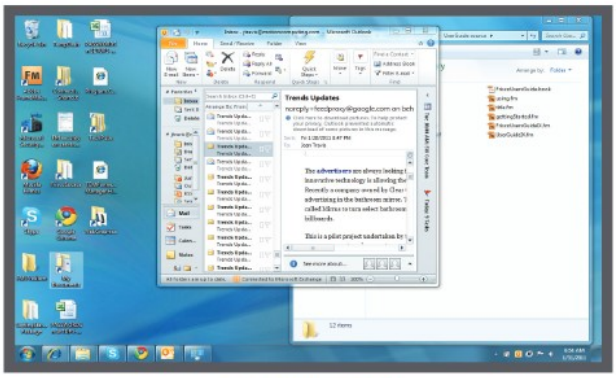
- Duplicate (mirror) the displays.
- Extend the tablet's display to span across the external monitor.
- Use the external monitor only or use the tablet only.

You can choose from one of the following display schemes:

Mirror display	Duplicates the tablet desktop on both the display and monitor. This is useful when using your tablet PC with a projector.
Extended with Monitor Primary	Expands the desktop area across the tablet and external monitor, where the external monitor is the primary display.
Extended with Tablet Primary	Expands the desktop area across the tablet and external monitor, where the tablet is the primary display.
Monitor Only	Desktop appears only on the monitor.
Tablet Only	Desktop appears only on the tablet.



tablet PC



external monitor

Extended with monitor primary display theme

Display resolution

You can change the display resolution of the external monitor or projector if you are using either extended scheme. However, when you are using the Mirror display scheme, the display resolution of the external monitor or projector is limited to the display resolution of the tablet PC.

The CL910 10.1″ HD display has a resolution of 1366 X 768.

Connecting to an external monitor

To connect an external monitor to the CL910, you can use the Micro-HDMI port (located on

Resetting touch after adding other monitors

After setting up an external monitor, touch might be disabled on your tablet because Windows® 7 assumes that the external display is for touch input. You can enable touch on the correct display from the Motion Dashboard by following the procedure below.

NOTE: A keyboard must be connected to the tablet to perform this procedure.

To enable touch when your tablet is connected to an external display:

1. Attach a keyboard to the tablet.
2. Open Motion Dashboard.
3. Tap **Pen & Tablet**.
4. Tap **Tablet PC Settings**.
5. Select the **Display** tab.
6. Tap **Setup** next to "Configure your pen and touch displays."
7. Tap **Touch Input.**
8. Press the **Enter** key until you see the instructions appear on the display that you want to use for touch input.
9. Follow the on-screen instructions.
10. Press **Esc** to end the process.

Resetting the display after returning the tablet to the docking station

If you set up your tablet in a docking station with the display scheme expanded across the

Using speech recognition

You can use speech recognition to interact with your tablet by voice. You can dictate documents and emails or use voice commands to control programs.

- **Dictation mode**—With dictation mode, your tablet listens to everything you say and converts your words to text. You can use dictation mode to enter text directly into any document or text box.
- **Voice command mode**—With voice command mode, your tablet listens for specific words that correspond to a list of available voice commands. You can use commands to switch between programs, save documents, copy, paste, or undo.

Setting up speech recognition

Before you can use speech recognition, you must configure the microphones and train the system for the characteristics of your voice. Then, you can take the available speech tutorial to learn basic voice commands.

Set up the microphones

For best results, move to a quiet environment.

To set up the microphones:

1. In the Control Panel, tap the **Ease of Access** category, then tap **Speech Recognition**.
2. Tap **Set up microphone**.
3. If you are using the tablet's microphone array, select **Other**.
4. Follow the instructions in the [illegible]

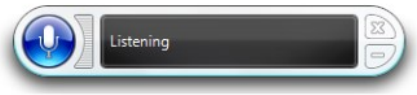
2. Tap **Take Speech Tutorial**.
3. Follow the instructions in the tutorial program.

Using dictation and voice commands

After you have set up speech recognition, you can open it from the Control Panel.

To use Dictation and Voice Commands:

1. In the Control Panel, tap the **Ease of Access** category.
2. Under **Speech Recognition**, tap **Start Speech Recognition**.
3. Ensure that the Speech Recognition window is open and listening.



4. Do one of the following:
   - For voice commands, say the appropriate command. For a list of commands, search Windows® Help and Support for "speech commands."
   - For dictation, open the program you want to use and start speaking.

   For more information about speech recognition, search Windows® Help and Support for "speech recognition."

The magnetic stripe reader is on the right side of the CL910 SlateMate and a status light appears at the top. The status lights indicate:

	Ready
	Good swipe
	Error
	Starting...

Status indicators for magnetic stripe reader

To use the magnetic stripe reader:

1. Hold the CL910 steady.
2. With the magnetic stripe facing downward, you can either swipe the card from top to bottom or from bottom to top. The green light flashes when the swipe is successful.

Using the barcode scanner (optional)

If you have a CL910 with MSR and BCS, it comes with a barcode scanner that you can use to scan barcodes. Many applications use barcodes for asset tracking, identification, and process controls.

Supported barcode types

The CL910 barcode scanner supports the following barcode types by default:

- Code 39
- Code 128/GS1-128
- EAN/UPC - UPC-A
- EAN/UPC - UPC-E
- Interleaved 2 of 5
- Micro PDF417
- QR Code

Other barcode types can be enabled by using the EasySet application, which is available through Motion Computing Support.

To use the barcode scanner:

1. Open your barcode application and place the cursor in the appropriate field.
2. Hold the tablet steady with the barcode scanner lens in front of you.
3. Aim the barcode scanner lens at the barcode.
4. Press and release the barcode scanner button located on the front of the barcode scanner. Ensure that the scan beam covers the entire barcode.

   If the scan was successful, you'll hear a beep and the data appears in the application.

Barcode scanner tips

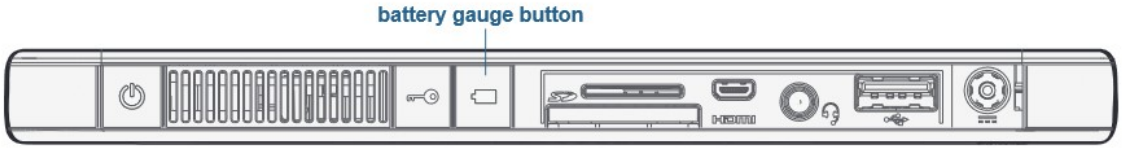
- You will typically get the best scans if the lens is six to seven inches from the barcode.
- If you are having trouble scanning a barcode, use two hands to steady the tablet while

Checking tablet battery power

You can check the remaining battery power several ways:

- When the tablet is plugged into an outlet, the battery gauge button shows whether the battery is fully charged (green) or charging (amber).
- When the CL910 is running on battery, pressing the battery gauge button on the left side displays status lights on the front of the CL910 indicating the current level of charge.
- From the Motion Dashboard
- From the Windows® notification area

The battery gauge button is located the left side of the CL910 Tablet PC as shown:



To check the remaining battery power while running on the battery:

1. Press the battery gauge button on the left side of the tablet. Battery gauge lights illuminate on the front of the tablet when the tablet is running on battery.
2. Count the number of battery gauge lights. Each light represents about 20% increments of a full charge as shown:

●●●●● 100% - 80%	Battery is fully charged.
●●●●○ 80% - 61%	Battery has about 80% charge remaining.
Battery has about 60% charge remaining.	

2. Check the color of the battery gauge button for the current status:

   Steady green—Battery is fully charged and the tablet is running on AC power.

   Steady amber—Battery is charging.

   Off—Not charging. The tablet is running on battery power.

   Flashing amber (slow)—Less than 10% battery charge is remaining.

   Flashing amber (fast)—There is an error. Call Motion Computing Support.

To check the remaining battery power from the Motion Dashboard:

1. Open Motion Dashboard.
2. Tap **Power**, which displays the percentage of remaining battery charge.

To check the remaining battery power from the Windows® notification area:

- Tap the power indicator, which is different depending on whether or not the tablet is plugged in.
  - If the tablet is plugged in, tap the plug icon .
  - If the tablet is on battery power, tap the battery icon .

Battery and power management tips

- To lengthen the battery's life, use AC power when you can. The battery charges automatically when the tablet runs on AC power.
- For optimal battery life, use AC power when using a USB device such as a DVD player or external hard disk drive.
- When running on battery power, place the tablet in Hibernate or Sleep mode if you are going to leave it unattended for more than a few minutes. For more information on Hibernate and Sleep mode, see Changing how the power button functions on page 50.
- Remember that the display, processor, wireless cards and accessories all draw on the battery, so adjust properties and disable unused accessories while running on battery power.
- Condition your battery once a month. To condition it, run the tablet on battery power until the battery's charge level drops below 20%.
- When running on battery power, adjust the display to a dimmer setting and enable the Dynamic Brightness Preference. Open Motion Dashboard, tap the **Display** tab and tap **Dynamic**.
- Turn off wireless devices when they are not being used. Open Motion Dashboard, tap the **Wireless** tab, and clear the checkbox next to the wireless device you want to disable.

Changing the power plan

By default, the CL910 uses the Motion Optimized power plan, which is designed specifically for Motion Computing tablets. It balances the need to save power while maximizing tablet performance. When the tablet senses no current activity, it goes into Power Saver mode automatically.

Changing how the power button functions

When you press and release the power button, it can go into one of the following modes:

- **Sleep**—The tablet pauses all activity immediately and quickly resumes when awakened. This saves power when you are away from your tablet for a short time. However, you will lose unsaved data if there's a power failure.
- **Hibernate**—The tablet saves the contents of memory to the storage drive and shuts down. Pressing the power button restores the desktop exactly as you left it. Hibernate consumes less power than Sleep mode and takes less time to restart than the Shut down option.
- **Shut down**—Tablet shuts down. Pressing the power button reboots the tablet.

By default, the tablet goes to sleep when you press and release the power button . To wake up your tablet, press and release the power button again. You can put the tablet in Hibernate mode or shut it down completely from the Start menu.

You can change how the power button behaves when it is pressed either to hibernate or to shut down the tablet. You can set the behavior individually—depending on whether the tablet is running on battery or plugged in.

To change what happens when the power button is pressed:

1. Open Motion Dashboard.
2. Tap **Power**.
3. Under **Power Switch on battery**, select what you want to happen when the power switch is pressed while the tablet is running on battery.
4. Under **Power Switch plugged in**, select what you want to happen when the power

Setting up user accounts

If you share the tablet with other users, you can set up a user account for each user. User accounts control which files and programs users can access and what types of changes users can make to the computer. A user account allows each person to have their own settings.

If you have an administrator account, you can add new user accounts from the Microsoft Management Console. For detailed instructions on setting up new users, open Windows® Help and search for "Create a user account."

Locating your serial number

You can locate the serial number for your CL910 in any of the following locations:

- White label inside the SD card slot of the tablet
- Windows® Start menu
- BIOS Setup Utility

To locate your serial number from the Start menu:

1. From the Start menu, tap **Computer**, then tap and hold anywhere in the window to open the options menu. Select **Properties**.
2. Under the **System** section of the page, view **Model**.
   The serial number begins with "**S/N.**"

Backing up your system

To protect against loss or accidental deletion, schedule backups to occur automatically on a regular basis. Windows® 7 has a backup tool that you can use to set up what you want to backup and schedule backups on a regular basis.

To schedule backups:

1. From the Control Panel, tap **System and Security** category then tap **Back up your computer**.
2. Tap **Set up backup**.

   Follow the on-screen instructions.

You can restore files from a backup. For more information, open Windows® Help and search for "Restore files from a backup."

Restoring your system

Windows® 7 has specialized tools for restoring your system in case of system failure. This section covers:

- Creating a system image to use to restore your computer if necessary
- Restoring the computer from a system image using Windows® control panel
- Restoring the tablet from BIOS if Windows® 7 cannot run

For complete instructions, open Windows® Help and search for "Back up your programs, system settings, and files."

Restoring your system image from Windows® Control Panel

Use the Recovery tool from the Control Panel to restore your system if you can still access Windows® 7 or if you are restoring your system image onto a different computer.

To restore your system from Windows® Control Panel:

1. Locate the external drive that contains your system image.
2. From the Windows® Control Panel, tap **System and Security** category, then tap **Backup your computer**.
3. Tap **Recover your system settings or your computer**, then **Advanced Recovery Methods**, then **Use a system image**...
4. Follow the on-screen instructions.

For more information, open Windows® Help and search for "Back up your programs, system settings, and files."

Restoring your system image if you can't start Windows® 7

If you need to restore your system and cannot access Windows® 7, you can access the recovery tool in the Windows® Advanced Boot Options screen.

NOTE: Before starting, locate the external drive that contains the system image you created previously (page 52) and ensure that a keyboard is attached to your tablet.

Follow the instructions to **Re-image your computer**.

Restoring your system without a system image

If you need to restore your Windows® 7 system and you do not have a system image, you can restore Windows® to its original factory image. This does not restore any of your files or any programs that you have installed.

To reinstall the original factory image:

1. Ensure that a keyboard is attached to the tablet.
2. Press the tablet's power button to start the tablet.
3. Press and hold the **F8** key to display the Windows® Advanced Boot Options screen.

   You need to press **F8** *as soon as* the tablet starts up to access the Windows® Advanced Boot Options screen. If the Windows® logo appears, you need to try again by waiting until the Windows® logon prompt appears, and restarting your tablet from the Start menu.
4. In the **Advanced Boot Options** screen, select **Repair your computer** and press **Enter**.

   The message "Windows is loading files..." and a progress bar will be displayed and there will be a brief waiting period while the necessary files load.
5. Select a keyboard layout in the System Recovery Options dialog box, then press **Enter**.
6. Select a user name and enter the password, then press **Enter**.
7. In the **System Recovery Options** dialog box, use the **Tab** key to navigate to **Reinstall**

Caring for your CL910 3

Proper care and maintenance will keep your CL910 Tablet PC working and in good condition. For general information about care of the tablet and its components and accessories, see the *Safety and Regulatory Guide* included with your tablet PC.

WARNING: Follow the guidelines listed in this chapter when caring for your tablet PC and its components. Improper use may damage the tablet PC and its components and void the warranty.

General care

Protect the tablet PC from exposure to extreme temperatures, shock, liquids, and strong

Caring for the display

Follow these suggestions to keep your display clean:

- Clean fingerprints and smudges from the display surface by wiping it with the display cloth provided.
- If needed, use a cleaning solution recommended by Motion Computing to clean the display. Spray the solution on a cloth then wipe the display. Never spray directly onto the display surface and never use an abrasive cleaner.
- If liquid is spilled on the display, wipe it up immediately with a soft cloth like the one provided with the tablet.
- Use only the CL910 pen or your finger to write on the display. Any other object could damage the display surface.
- Use a case when transporting the tablet PC to protect the display surface.
- Cover the display with a protective display film.
- Avoid exposing the display to direct sunlight for long periods of time.

You can purchase protective display films and CL910 cases from the Motion Computing Accessories page.

Cleaning solutions

Motion Computing maintains a list of tested cleaning solutions and chemical disinfectants on its website.

Caring for the tablet battery

To maximize the performance of the battery, condition the battery once a month. To condition it, run the tablet on battery power until the battery's charge level drops below 20%. Then use AC power until it is fully charged.

You will receive a message if the tablet detects that the battery needs conditioning. For more information about batteries, see Using the battery on page 46.

Traveling with your CL910 Tablet PC

Use the following tips when you travel with your CL910 Tablet PC:

- Put the tablet PC in a case to protect the display. Motion Computing sells a variety of cases for the CL910. You can purchase one at the Motion Computing Accessories page.
- Store the pen in the pen storage drawer located on the right side of the tablet.
- Pack the tablet PC securely in a briefcase or hand-carried luggage and keep it separate from toiletries, liquids, and food. Do not pack it in checked luggage.
- Before extended use in the field or long trips away from AC power, adjust the power properties to maximize battery conservation. See Changing the power plan on page 49.
- For international travel, use the appropriate adapters for your destination's electrical outlets. You do not need to buy a voltage converter; the Motion AC adapter will automatically adjust to different voltages.
- You may want to carry proof of ownership or a merchandise passport when traveling internationally

Troubleshooting and FAQs

4

Motion Computing tablet PCs are thoroughly tested for performance and quality, but occasionally issues can still occur. If you don't find the information you're looking for in this section, go to Motion Computing Support.

Troubleshooting

Use the information in this section to identify and resolve common issues. If an issue has more than one potential cause, the most common cause is listed first.

Power issues

The display goes black while the tablet PC is still turned on

- The tablet might have turned off the display to save power. To restore the display, touch the screen with your finger or the pen.
- The tablet might have gone into Sleep mode. Press and hold the power button for about one second.
- The tablet might have gone into low-battery Hibernation mode. In Hibernation mode, the power status light is off. Plug the tablet in to AC power, then press and hold the power button for about one second.

Battery issues

The battery doesn't last very long (less than seven hours)

- Hot or cold conditions can adversely affect the battery charge. Use AC power if you're operating the tablet in these conditions.
- Accessory devices such as a DVD player and applications that make heavy use of the hard drive can drain the battery more quickly. Remove the accessory devices or use AC power if possible.
- Condition the battery once a month by using the tablet on battery power and allowing the battery charge to drop below 20% before connecting the battery to AC power.
- Have the battery replaced. While the built-in lithium-ion battery is designed for a long battery life, you may find the need to replace it. If so, contact your Motion Computing service provider. Only authorized service providers can replace the battery.
- For other battery optimizing tips, see Battery and power management tips on page 49.

Display issues

The display goes black while the tablet PC is still turned on

- The tablet PC might have turned off the display to save power. To restore the display, tap or touch the screen.
- The tablet might have gone into Sleep mode. Press and hold the power button for about one second.
- The tablet might have gone into low-battery Hibernation mode. In Hibernation mode, the power status light is off. Plug the tablet in to AC power, then press and hold the power button for about one second.

The display is too dim

- The display brightness may be set too low. Use Motion Dashboard to brighten the display. Open Motion Dashboard, tap **Display**, then move the brightness slider to the desired level.

The display is unreadable or distorted

- The screen resolution and color quality may not be set correctly. Use Windows® Display Properties to reset the display settings. From Windows Control Panel, select **Hardware and Sound** category. Under **Display**, change the resolution until the display appears normally.
- The display driver may have been removed or become corrupted. Use Windows® Device Manager to reinstall the driver. For more information, open Windows® Help and Support and search for "update driver."

  To update the display device driver

  1. Make sure that the tablet is connected to a network.
  2. In Control Panel, tap the **System and Security** category.

display that you want to use for touch input. Follow the on-screen instructions for setting up touch on this display.

When I write, I inadvertently click the function button on the pen

- Try adjusting how you hold the pen. Avoid resting your finger on the function button. You can also disable the function button. open Motion Dashboard then tap **Pen & Tablet**. Tap **Pen & Input Devices** and tap the **Pen Options** tab. Clear the check mark next to the box, "Use the pen button as a right-click equivalent."

The pen function button doesn't work

- You may not be pressing the button early enough. Try pressing and holding the pen function button before you touch the pen to the display surface.
- The pen function button may be disabled. To enable it, open Motion Dashboard then tap **Pen & Tablet**. Tap **Pen & Input Devices** and tap the **Pen Options** tab. Tap the checkbox next to "Use the pen button as a right-click equivalent."

On-screen instructions require me to press Enter or Esc, but I don't have a keyboard

- Connect a keyboard to the tablet to continue.

The CL910 responds to my finger but not my pen

- The tablet may be configured to ignore pen input. To check, open Motion Dashboard then tap **Pen & Tablet**. Tap **Touch Settings** and tap the **Digitizer Options** tab. Set **Input mode** to the recognize both touch and pen.

The CL910 tablet is too sensitive to touch

- Consider changing a touch setting so that you have to double-tap the display to enable touch. Open Motion Dashboard then tap **Pen & Tablet**. Tap **Touch Settings** and then **Auto mode**.

Ports and connectors issues

The tablet doesn't recognize the USB device

- Windows® 7 may take a short time to recognize the USB device. Wait a few moments to see if Windows® recognizes the device.
- The device may not be connected properly. Check the connection and ensure that it's inserted properly into the USB port.
- The correct driver might not be included with Windows® 7. Check the manufacturer's website for a current driver.

The CL910 is in its dock, but the tablet doesn't recognize any accessory devices, such as the external disk drive or monitor

- The CL910 may not be fully seated in the dock. Remove it from the dock and then replace it.

Network issues

The wireless adapter keeps connecting even when I don't want it to

- Disable the desired wireless adapter from the Motion Dashboard. Open Motion Dashboard, tap **Wireless**, and clear the checkbox next to the wireless adapter that you want to disable.

I can't connect to a wired Ethernet network

- To connect to an Ethernet network, your CL910 must be connected to a docking station. The Ethernet port for the CL910 is located on the dock.
- The connection may be loose. Remove the Ethernet cable and reconnect it.
- The Ethernet network may be experiencing problems. Check with someone nearby to

Bluetooth issues

I can't connect to a Bluetooth network

- Bluetooth must be enabled from the Motion Dashboard. Open Motion Dashboard, tap **Wireless,** and tap the checkbox next to **Enable Bluetooth Internal Wireless**.
- Your Bluetooth device must be paired. From the Windows® notification area, tap the Bluetooth icon and select **Add a Device**. Make sure the Bluetooth device is discoverable according its manufacturer's instructions. Select the desired Bluetooth device from the list of available devices. Follow the on-screen instructions to complete the procedure.
- Your Bluetooth device is out of range. The Bluetooth devices are designed for short-range communication and can only connect at distances up to 33 feet (10 meters).

No other Bluetooth device can detect the CL910 tablet

- From the Windows® notification area, tap the Bluetooth icon and select **Open settings**. On the **Options** tab, select **Allow Bluetooth devices to find this computer**.

I tried to pair my Bluetooth device several times but it isn't detected:

- Bluetooth must be enabled from the Motion Dashboard. Open Motion Dashboard, tap **Wireless,** and tap the checkbox next to **Enable Bluetooth Internal Wireless**.
- Ensure that the Bluetooth device you're adding is discoverable. See the device's manufacturer's instructions for more information.
- Ensure that the Bluetooth device's battery is charged.
- Check which Bluetooth devices are connected. From the Windows® notification area, tap the Bluetooth icon and select **Show Bluetooth Devices**. The Devices window displays all the Bluetooth devices that are currently connected.

Bluetooth wireless tips

Motion Computing and its Bluetooth partners have worked to ensure a positive experience with this technology and to ensure Bluetooth interoperability. In doing so, we have found the following issues:

- **Interference**—If you are running Bluetooth and Wi-Fi at the same time, interference can affect the Bluetooth performance. This is most noticeable if:
  - You try to transfer large amounts of data, such as file transfers
  - Several Bluetooth devices are operating in an office simultaneously
- **Speech Recognition**—Bluetooth audio has not been fully developed for speech recognition. Therefore, for speech recognition, we recommend that you don't use a Bluetooth wireless headset. A better solution is to use Motion Speak Anywhere, which can record clear audio, dictate notes, and use voice commands without a microphone headset.
- **Disconnection**—Some Bluetooth devices will disconnect when they go into power-saving mode. Most devices will automatically reconnect when they become active again.
- **Incompatible drivers**—If you attempt to install other wireless headset or other audio drivers (such as Bluetooth or USB) over the tablet PC audio drivers, a malfunction of the tablet PC audio system may occur because the drivers may not be compatible.
- **Interoperability**—If you are having problems with interoperability of Bluetooth devices, contact the manufacturer of your Bluetooth device and check its compatibility with the Bluetooth software installed on your tablet PC.
- **Security**—Bluetooth devices use a passkey to create a secure connection between the tablet PC and the Bluetooth device. Although the passkey exchange helps to secure your data, Bluetooth wireless technology should not be considered completely secure.

Mobile broadband with GPS issues

I changed my SIM card and now I can't connect to my mobile broadband network

- After inserting a SIM card, the Motion Connection Manager must be restarted. From the Windows® notification area, tap the Motion Connection Manager icon and tap **Exit**. Restart the Connection Manager and from the Windows® Start menu, select **All Programs > Motion Computing > MotionCM**.

The GPS doesn't work

- The GPS receiver is only available if you purchased your CL910 with the optional Mobile Broadband with GPS module.
- Mobile Broadband with GPS must be enabled from the Motion Dashboard. Open Motion Dashboard, tap **Wireless**, and tap the checkbox next to **Enable Mobile Broadband with GPS**.
- The GPS navigation or mapping application you're using must be NMEA compatible or compatible with the NMEA specification.

My GPS isn't working properly

- Mobile Broadband with GPS must be enabled from the Motion Dashboard. Open Motion Dashboard, tap **Wireless** and tap the checkbox next to **Enable Mobile Broadband with GPS**.
- If performance is slow, you may be blocking the GPS antenna, which is located on the right side of the tablet as shown below.

Motion QuickNav issues

Motion QuickNav doesn't respond

- Try to switch to another application then return to Motion QuickNav.
- Close Motion QuickNav from the Windows® notification area. Tap and hold the Motion QuickNav icon, and select **Exit**.
- If it still isn't responding, the Motion QuickNav process may have hung. Press **Ctrl**+**Alt**+**Delete**, tap **Start Task Manager**, tap the Processes tab, select **DialKeys.exe**, then **End Process**.

Photos are backward (display mirror image)

- Set the camera rotation to Flip X. Open the Motion QuickNav toolbar then tap the camera icon, tap Options icon, tap the Camera tab, tap the **Camera** tab, then under **Rotation**, select **Rotate 180 & Flip X**.

Camera makes a whirring sound and doesn't take a photo

- You may be covering up the camera lens.
- This can occur if you take many photos in sequence. Wait a few seconds before taking another photo. If that doesn't work, close the viewfinder and reopen it.

Barcode scanner is slow

- Remove any codes that you don't use. Tap the barcode scanner icon then tap the Options icon and disable the codes that you don't use.
- Lower the resolution. Be aware, however, that this affects accuracy. Tap the Options icon and select a lower resolution.

I want to make my tablet run faster

- Change the Power plan to **High Performance** from the Motion Dashboard Power tab.
- Adjust your Windows® settings. For instructions, open Windows® Help and search for "improve performance."

Frequently asked questions

How can I make the battery charge last longer?

- By default, the power plan for the CL910 is a balance between optimal performance and a long battery charge. If you want the tablet to run longer between charges, use the **Power saver** power plan. Open Motion Dashboard, tap **Power**. Tap **Power Options** and select **Power saver**.
- Use the Dynamic display setting. This automatically controls the display to conserve power. Open Motion Dashboard, tap **Display** then tap **Dynamic**.
- Set the display to the dimmest level you are comfortable with. Open Motion Dashboard, tap **Display** then move the Brightness slider to the desired level.
- Disconnect any Ethernet connections that aren't being used. Disable the wireless adapter and Bluetooth adapter if you aren't using them. Disconnect unnecessary USB devices. To disable the adapter, open Motion Dashboard, tap **Wireless** and clear the checkbox next to the adapters you aren't using.
- Stop unnecessary background applications and processes.

How do I know if the tablet is charging when I plug it in to a power adapter?

- The battery gauge button on the left side of the tablet is amber when the tablet is charging.

How sensitive is the screen to various elements?

- As with any computer or electronic device, you should protect the tablet PC from liquids, dirt and sand, other contaminants, and extreme heat.

Will any monitor, USB device, keyboard, or mouse work with the tablet PC?

- If the device has a driver for Windows®, it will work with the tablet PC. For best result, an external monitor should be digital—and capable of connecting with the CL910 through the Micro-HDMI port. For a list of products that have been tested for Windows®, look for the Windows® Marketplace Tested Products page on the Microsoft® website.

How do I adjust the tablet PC for left-handed use?

- From the Motion Dashboard, tap **Pen and Tablet**, then **Tablet PC Settings**, then the **Other** tab. You can select left- or right-handed, which changes the location of the menus.

How can I stop the display screen from rotating automatically?

- From the navigation area, tap the Motion icon then tap **Options** and clear **Automatic Display Rotation**.

How do I calibrate my finger and pen for touch input?

- If the touchscreen doesn't respond as expected or if it responds to unintentional input, you can re-tune it. Open Motion Dashboard, then tap **Pen & Tablet**, tap **Touch Settings**, tap **Touch Tuning**, then **Start**. A calibration program begins. Do not touch the display during the calibration process.

What do I need to use the tablet PC in another country?

- You will need a travel plug adapter, which you can find in airports and travel stores. You do not need to buy a voltage converter; the Motion AC adapter will automatically adjust

Index

Numerics

802.11 Wi-Fi 9

A

AAAA battery 7
AC adapter 6
AC power 8
accessing 51
accessories 14, 54
amber light 67
ambient light sensor 4, 39
antenna, GPS 65
application
    inserting photos in 34
Atom Intel processor 1
audio
    drivers 65
    settings 18
    troubleshooting 65
audio in/out jack 1, 6
BIOS
    boot options 54
    troubleshooting password 66
BIOS setup utility 51
blinking power button 58
Bluetooth
    discovery 63
    setting up 10, 64
    tips 64
boot options 54
brightness of display 39

C

calibrate 23, 61, 68
camera
    using 31
cameras 5
    documentation camera 5
    documentation, using 31
    stalls 66

D

desktop
- Getting Started doc 16
- introduction 15
- QuickNav 16

Dial Keys 28, 66
DialKeys.exe 66
dictation mode 43
digital ink 23
digital monitor 6, 68
digitizer
- Motion Dashboard options 20
- N-trig 20
- tuning 21

disinfectants 56, 67
display
- automatic display rotation 19, 39, 68
- care and cleaning 56
- Display Scheme 41
- extended 41
- fixed brightness 39
- locking display orientation 39
- mirror 40
- orientation 68
- rotating 39
- scratch resistance 1
- scratches 67

F

FAA wireless air travel requirement 57
features
- optional 2

flicks 19, 21
folder options
- changing 20

free downloads 54

G

gestures 21
- enable multi-touch 21

Getting Started 16
Gobi Mobile Broadband with GPS module 2
Gorilla glass 1
GPS antenna 65
GPS receiver 2, 9
- troubleshooting 65

H

handwriting recognition applications 26
hard drive activity 19
HDMI port 6
hibernate 11, 58
- about 50

Home key 26

locking
the tablet 11
locking display orientation 39

M

micro HDMI port 1, 6, 13, 41, 68
microphones 3, 18, 42, 43
Microsoft Word 31
mirror display 40
mobile broadband 2, 9
Mobile Broadband with GPS module 2
mobile broadband, GPS 2
monitor
connecting external 13
monitor. See also digital monitor 68
monitors
touch 42
touch input 23
using multiple 40
Motion Computing Accessories 14, 54
Motion Computing Store 14, 27
Motion Computing Support 14, 46, 58
Motion Connection Manager 9, 64, 65
Motion Dashboard 16, 19
opening 9, 16
using 16
Motion Optimized power plan 49
pen 5
care and maintenance 56
digitizer pen 7
disable function button 22
disabling pen input 20
eraser 22
inserting battery 12
storage drawer 5, 56
taking care of 56
tether 5
troubleshooting 60
use function button as eraser 22
Pen & Input Devices 21
pen release button 5
photos
attaching to email messages 33
editing 35
inserting in applications 34
taking with QuickNav 31
troubleshooting 66
portrait mode 39
portrait orientation 39
power adapter port 6
power button 6, 50
blinking 58
power plan
Motion Optimized 49

S

scheme
  display 41
scratch resistance 1
scratches 67
screen. See display 68
Scroll lock key 26
SD card slot 1, 6
serial number 51
setting up
  Bluetooth 64
  docking station 13
  external monitor 13
  mobile broadband 9
  the tablet PC 8
  Wi-Fi 9
setting up users and passwords 51
shortcut menu 19
Shut down 58
shut down 50
SIM card slot 6
Skype 30
SlateMate 2
sleep 11
  about 50
software solutions 54
spatial tolerance 22
text
  entering 23–??
touch
  and pen 20
  calibrate 23, 61
  configuring settings 20
  disabling touch input 20
  gestures 21
  on multiple displays 42
  pointer, adjusting 21
  pointer, show or hide 21
  setting spatial tolerance, speed, and duration 22
  troubleshooting 60
  using 19
  using multiple monitors 23
touch tuning 21, 68
touchscreen display 1, 4
  caring for 56
training 14
training classes
  corporate 68
training tutorials 68
traveling with your tablet PC 57
troubleshooting
  audio 65
  battery 59

voice recorder 30

W

web camera 4
    using 31
Wi-Fi 9
Windows
    Action Center 50
    Advanced Boot Options 53
    notification area 18, 39
    repairing 53, 54
    restoring 53
    Security button 6
    Setup wizard 8
    speech recognition 43
    Windows.old directory 54
Windows Action Center 50
Windows Firewall 50
Windows Live 30
Windows Security Center 50
wireless
    setting up 802.11 Wi-Fi 9
    setting up Bluetooth 10
    setting up mobile broadband 9
wireless network
    setting up 8
    troubleshooting ??–63
wireless networking 9, 10
WWLAN. See mobile broadband

Z

zoom in and out 19