C5m/F5m Tablet PC

Model CFT-004

User's Guide

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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.

Sluttbruker kan aksessere kun én av operativsystemets språkversjoner.

O utilizador final pode alcançar somente uma versão de língua do sistema de exploração.

O usuário final pode acessar apenas uma versão de idioma do sistema operacional.

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Getting Started 1

The Motion® C5m/F5m Tablet PCs are rugged, powerful, and provide robust computing power and a variety of integrated features to enable any mobile workflow.

The C5m/F5m Tablet PCs include these features:

- Intel® Core™ i3, i5, or i7 vPro™ Processors (i7 Processor includes Intel vPro™ technology)
- Windows® 7 Professional 64-bit (available through downgrade rights from Windows 8.1 Pro)
- DDR3L 1600MHz SDRAM memory
- m.2 Solid State Drive (SSD)
- USB 3.0 port
- Meets MIL-STD-810G and IP54 rated—water-, dust-, and splash-resistant
- Rubberized for shock dampening and magnesium-alloy internal frame
- Corning® Gorilla® Glass for increased display damage resistance
- Rotation: 0°, 90°, 270°
- Dual input—digitizer pen and capacitive 10-point touch
- 10.4" XGA (1024 x 768) standard display or View Anywhere® display* with TFT AFFS+ LED Backlight
- Intel Display Power Saving Technology (DPST)
- Hot-swappable battery
- EEE 802.11ac Wi-Fi® plus Bluetooth® 4.0
- Integrated mobile broadband (Qualcomm® Gobi™ technology 4G XLTE Mobile Broadband) with either GNSS or U-Blox 6 GPS*
- Integrated 2MP web camera and 8MP documentation camera*
- Integrated fingerprint reader with OmniPass software
- Integrated 1D/2D barcode reader*
- Smart card reader*; ISO 7816 PC/SC compliant, EMV2 2000 Level 1
- TCG Trusted Platform Module (TPM) 1.2 for hardware-based security and optional Absolute Computrace®
- WinMagic® SecureDoc™ (single-user license)

* Optional features are available when you purchase your tablet.

Optional features

This section describes the optional features available when you purchase your C5m/F5m.

Mobile broadband with GPS

You can purchase a C5m/F5m Tablet PC with an optional embedded mobile broadband module that enables you to connect to a variety of mobile broadband networks for sending and receiving data wirelessly. You can typically use mobile broadband anywhere you can use your mobile phone. Mobile broadband is based on cellular network technology, so you can use it in more places than other localized wireless technologies.

The mobile broadband module includes Global Navigation Satellite System (GNSS) support. The GNSS receiver uses GPS and GLONASS satellites to determine the current location, altitude, heading, and horizontal velocity of the C5m/F5m. You don't need a network connection or an account with a mobile broadband network carrier to use the GNSS receiver. You can use it with your preferred mapping applications to find your current and desired locations.

For information on setting up mobile broadband, see Using Mobile Broadband with GNSS on page 43.

Discrete GPS with WAAS, EGNOS, and MSAS (optional)

Your tablet may have an embedded discrete Global Positioning System (GPS) module that supports the Wide Area Augmentation System (WAAS) for improved accuracy in the United States; European Geostationary Navigation Overlay Service (EGNOS) for improved accuracy in Europe; and Multi-functional Satellite Augmentation System (MSAS) for improved accuracy in Japan. The augmentation feature uses signals from geostationary satellites to improve on the reliability and accuracy of the signals from the GPS satellites. The proper Augmentation system will be detected based on your location. No special selection is required. You don't need a network connection or an account with a mobile broadband network carrier to use the augmented GPS receiver. You can use it with your preferred mapping applications to find your current and desired locations.

Security

Your C5m/F5m includes several features that you can use to enhance the security of your data and serve as the foundation for complementary security technologies. The core security features include a built-in fingerprint reader, password-protected BIOS, networking control, Trusted Platform Module (TPM) 1.2, and optional Computrace® Complete tracking software.

WinMagic® SecureDoc™

WinMagic SecureDoc is an application that you can use to encrypt your hard drive. This application is included with your C5m/F5m Tablet PC and must be enabled to activate. For additional information, Using WinMagic® SecureDoc™ on page 50.

TPM

With the built-in TPM and Infineon Security Platform Tools, you can create and manage digital certificates, user and device authentication, full disk data encryption, and restricted network access. These features are most commonly used by enterprises and enabled by the system administrator. To download and install TPM, go to go to http://www.motioncomputing.com/us/support/downloads, select your Tablet PC model and operating system, and then tap **Show Results**. Scroll down to the **Trusted Platform Module (TPM) Software** section and select the download link.

Absolute Computrace®

The C5m/F5m Tablet PC can be purchased with the optional Absolute Computrace®, which offers enhanced data protection, improved IT asset management, and managed computer theft recovery. With Computrace, organizations can track, manage, and secure their entire computer fleet—including remote and mobile devices—on or off the network.

View Anywhere display

The View Anywhere display option enhances outdoor viewing and bright-light viewing environments and it includes all the features of the standard display plus:

- A protective layer that improves the sunlight contrast ratio and significantly reduces reflection and glare.
- Improved sunlight contrast ratio, which enhances viewability at wide viewing angles.
- Reduced reflection and glare and improved light pass-through efficiency.

Available screen orientations

You can rotate the C5m/F5m in the following positions: primary portrait, secondary portrait, and primary landscape. These orientations are illustrated below.



Primary portrait orientation



Secondary portrait orientation



Primary landscape orientation

Other optional features

Other C5m/F5m optional features include:

- Web and documentation cameras—See Using the cameras on page 32.
- Barcode scanner—See Using the barcode scanner on page 37.
- Smart card reader—See Using the smart card reader (optional) on page 51.

Overview of the C5m/F5m

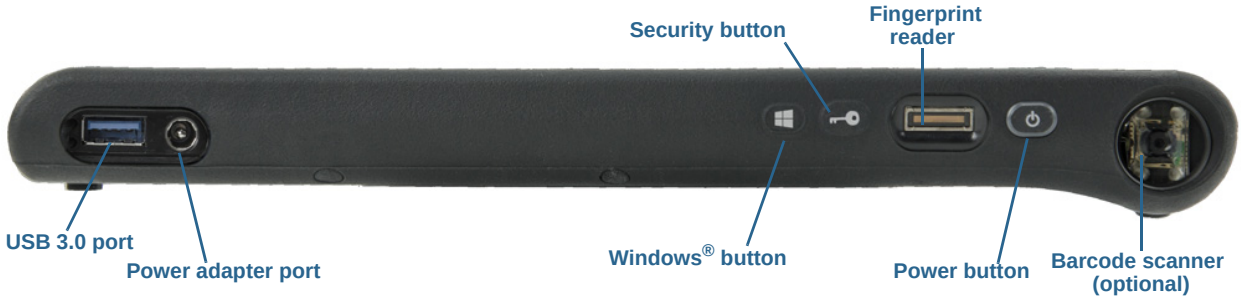
The following illustrations show the features available on the C5m/F5m Tablet PC.

Top side



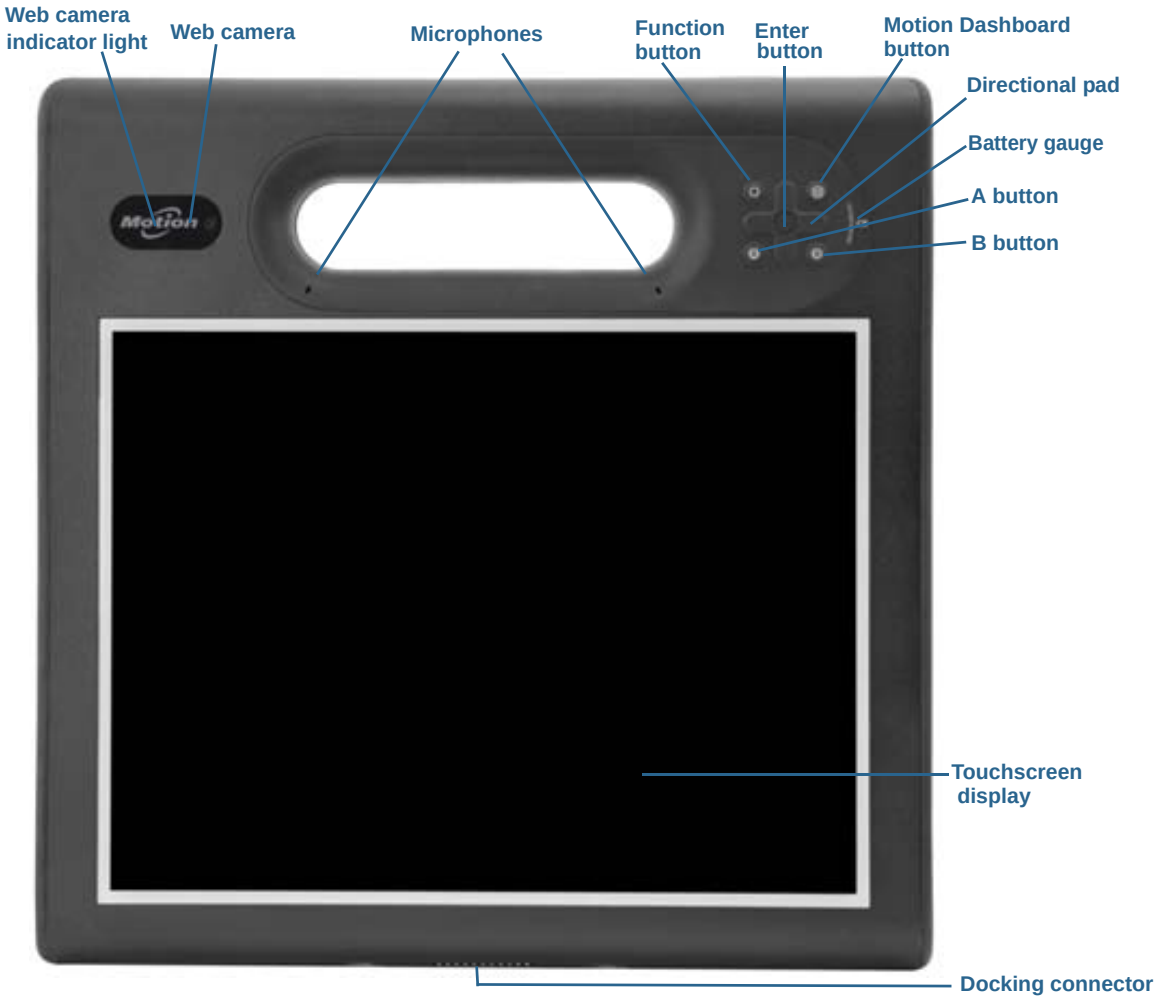
Volume buttons	Adjust the volume up or down.
Fan cover	Protects the fan assembly.

Right side



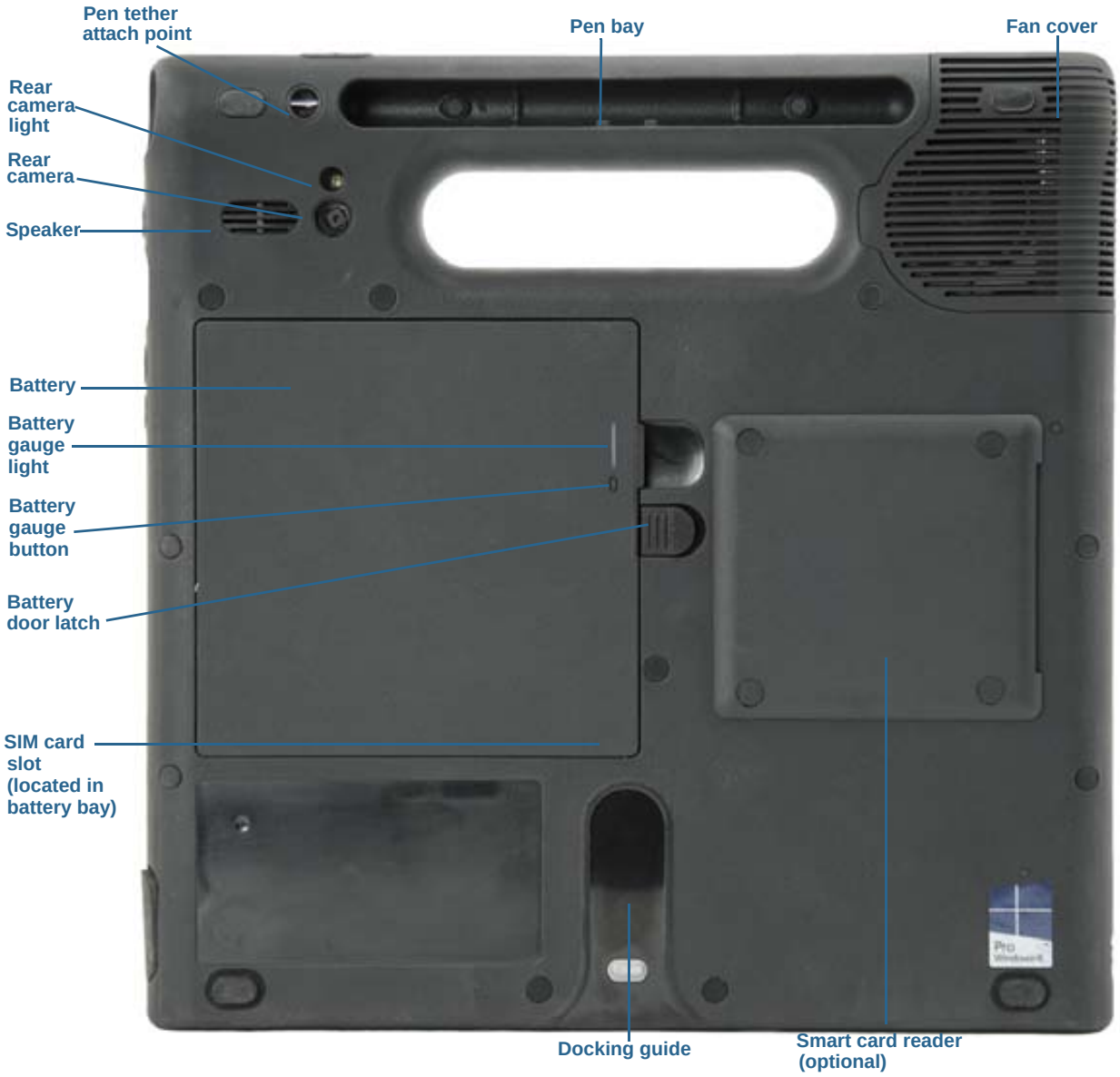
USB 3.0 port	Connects to a USB device.
Power adapter port	Connects to the power adapter.
Windows® button	Opens the Windows Start menu.
Security button	Use to log on to or lock the tablet. Equivalent to **Ctrl**+**Alt**+**Del** on a keyboard.
Fingerprint reader	Scan your fingerprints for added security.
Power button	Turns the tablet on and off.
Barcode scanner (optional)	Reads 1D and 2D barcode labels.

Front



Web camera indicator light (optional)	Indicates that the optional web camera is active.
Web camera (optional)	Use for web-based video communication.
Microphones	Records sounds and used for speech recognition.
Function button	Activates secondary functions for other buttons.
Enter button	Makes a selection (equivalent to the **Enter** key).
Motion Dashboard button	Opens Motion Dashboard.
Directional pad	Use for basic navigation. Equivalent to the arrow keys on a keyboard.
Battery gauge	Shows battery status.
A button	Configure a custom action.
B button	Activates the barcode scanner (if installed).
Touchscreen display	Use your finger or pen to navigate the tablet.
Docking connector	Connects to a C5/F5-Series docking station.

Back



Pen tether attach point	Attach the pen tether.
Pen bay	Use to store the pen when not in use.
Fan cover	Protects the fan assembly.
Rear camera light (optional)	Provides light for the documentation camera.
Rear camera (optional)	You can use the 8MP auto-focus camera to take pictures and save them in a wide variety of graphic file formats on the Tablet PC.
Speaker	Use for listening to audio.
Battery	Powers the tablet when it's not plugged in or docked.
Battery gauge light	Indicates the level of battery charge when you press the button next to the gauge.

Battery door latch	Opens the battery compartment's door.
Docking guide	Aligns the unit with the docking station (sold separately).
SIM card slot	Micro-3FF SIM card slot (must remove battery)
Smart card reader (optional)	Reads information on a smart card.

Pen

The C5m/F5m Tablet PC supports 10-point capacitive multi-touch with your fingers as well as input with a 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 includes a pressure-sensitive tip, a function button, and an eraser. The pen contains no batteries and requires no external power.



You can purchase additional pens from the Motion Computing Accessories page.

Where to begin with your C5m/F5m

This section includes some steps you can follow to power up and get familiar with your C5m/F5m Tablet PC.

Step 1: Power up the tablet

1. Plug the power cord into an outlet.



2. Plug the power cord into the AC adapter.
3. Pull out the port door located at the bottom of the right side of the C5m/F5m to expose the AC adapter port and plug the AC adapter cord into the port.
   - The battery gauge turns amber to indicate that the battery is charging.
   - Keep the tablet on AC power until the battery is fully charged.

4. Press and release the power button  located on the top right side of the C5m/F5m to turn it on.

NOTE: You don't have to wait until the Tablet PC is fully charged before using it. However, it's recommended that you keep the power adapter plugged into an outlet so your C5m/F5m can continue charging.

5. Follow the on-screen instructions to set up your user account and activate Windows.

Step 2: Connect to a wireless network

The C5m/F5m includes built-in Wi-Fi® and Bluetooth®. Your Tablet PC may also be equipped with mobile broadband. To connect to available wireless networks, follow these steps:

Step 1. Enable Wireless from Motion Dashboard

1. From the taskbar, tap the Dashboard icon. 
2. Tap **Wireless**.
3. Enable the desired available wireless networks:
   - Bluetooth Internal Wireless
   - 802.11 Internal Wireless
   - Mobile Broadband with GPS

NOTE: If mobile broadband isn't listed, your C5m/F5m isn't equipped with a mobile broadband module.

Step 2. Set up Bluetooth

Your C5m/F5m has a built-in Bluetooth adapter to connect to other Bluetooth-enabled devices.

To add a Bluetooth device:

1. From the Windows notification area, tap the Bluetooth icon  and select **Add a Device**.
2. Make sure the Bluetooth device is discoverable according to the device manufacturer's instructions. When a Bluetooth device is discoverable, it's visible to other Bluetooth devices within range.
3. Select the desired Bluetooth device from the list of devices.
4. Follow the on-screen instructions.

Step 3. Set up Wi-Fi

1. From the Windows notification area, tap the wireless network icon .
2. Select a wireless network from the list of available networks.

Step 3. Set up mobile broadband with GNSS (optional)

If you purchased your C5m/F5m with the optional mobile broadband module, you can connect to high-speed cellular networks worldwide. With the mobile broadband module and a data plan from one of several cellular network providers, you have full Internet access.

NOTE: Before you can connect to a mobile broadband network, you must have an active account with a cellular network provider. Some providers require a SIM card for mobile broadband access.

1. With the Tablet PC powered off, insert the SIM card and then power the tablet on.

Enable mobile broadband:

1. Start Skylight. From the Start menu, select **All Programs > Sierra Wireless > Skylight > Skylight**.
2. Tap the connect button to connect to your wireless networks.
3. For detailed information on configuring mobile broadband, see Configure Mobile Broadband on page 44.

NOTE: If you purchased your C5m/F5m with the optional Mobile broadband with GPS module or the optional discrete GPS module, your tablet has GPS capabilities. You can use most GPS navigation and mapping applications to find your current and destination locations.

Getting familiar with your C5m/F5m Tablet PC

Once you've set up your C5m/F5m, take a few minutes to get familiar with your Tablet PC.

- Calibrate pen and touch. You can adjust the touch settings by calibrating the digitizer. (The digitizer detects the position of the pen or your finger on the touchscreen display.)
- Use Motion Dashboard to customize your tablet to fit your work style. See Using Motion Dashboard on page 20.
- Open the writing pad and provide handwriting samples to improve handwriting recognition. See Entering text and handwriting recognition on page 27.
- Take photos or use the web camera. See Using the cameras on page 32.

When you take a break

When you leave your Tablet PC for a while, you can lock it to prevent unauthorized access by pressing the Security button and then by tapping **Lock** on the following screen. You can configure the Power button to shut down your Tablet PC, or to put it in Sleep or Hibernate mode to save power when you press the Power button.

Lock and unlock the Tablet PC

To lock the Tablet PC, either:

- Press the security button  on the right side of the tablet and select the **Lock** option on the following screen.
- If a keyboard is attached, press **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're 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.

Hibernate mode

If you intend to leave your tablet for several hours or more, you can put the tablet in Hibernate mode. Like sleep, when you return from hibernate, your desktop is the same as you left it.

It takes longer to start up from Hibernate mode than sleep, but it consumes very little power, saves data to disk beforehand, and is still faster than starting your tablet after shutting it down.

To put the tablet in Hibernate mode:

1. Open the Windows Start menu and tap the arrow beside **Shut down**. Select **Hibernate** from the pop-up menu.

To put the tablet in Hibernate mode automatically when you press the Power button:

1. Open Motion Dashboard and tap **Power**.
2. Select **Hibernate** from the dropdown menu beside **Power Switch on battery:** and **Power Switch plugged in:**.

Optional setup tasks

Create a system image

Once you've set up your C5m/F5m, including installing your applications, create a system image on an external USB drive. This is a safety measure if you encounter any issues with your Windows 7 installation. For more information, see Backing up your system on page 54.

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 54.

Attach the pen tether

The C5m/F5m pen comes with a tether so that you can attach the pen to your tablet to prevent misplacing it.

To attach the pen tether:

1. Slip one end of the tether through the hole at the end of the pen, then pull the pen through the loop until it's tight.
2. Slip the other end of the tether through the attach point on the C5m/F5m, then pull the pen through the loop until it's tight.

You can purchase additional pens from the Motion Computing Accessories page.

Connect the tablet to a docking station

A variety of docking solutions for the C5m/F5m are available for purchase on the Motion Computing Accessories page.

The docking stations for the C5m/F5m adds functionality to your tablet, including port expansion for Ethernet, VGA monitors, and USB devices such as printers, keyboards, and mice. The docking station also charges the tablet and includes a charging bay for an extra battery. Mobile docks are also available for your C5m/F5m and enable you to mount your Tablet PC in a variety of vehicles. For details on installing and using the docking station, see the *User's Guide* that accompanies your docking station.

Connect the tablet to a display monitor

Connect a display monitor to your C5m/F5m Tablet PC using the VGA port located on the docking station.

For more information

This *User's Guide* introduces the full set of C5m/F5m features and provides instructions for common tasks you'll perform. The rest of this book is organized as follows:

- **Using your C5m/F5m** on page 19—Provides instructions for basic C5m/F5m 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 C5m/F5m** on page 57—Provides suggestions for the care and maintenance of your Tablet PC.
- **Troubleshooting and FAQs** on page 62—Provides answers for common issues you may encounter as you begin to use your C5m/F5m.

The Getting Started document located on the C5m/F5m's desktop provides a number of tips to help you start using the tablet quickly.

NOTE: If you don't have access to a particular feature or setting on your Tablet PC, contact your system administrator for additional information.

You will find other useful information on our website:

- 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 C5m/F5m 2

This chapter provides information about performing the following tasks:

- Using Using Motion Dashboard on page 20
- Using Accessing Motion tools from the Windows notification area on page 21
- Using touch on page 22
- Entering text and handwriting recognition on page 27
- Using the front panel buttons on page 30
- Connect an external monitor on page 31
- Using the built-in microphones on page 32
- Using the cameras on page 32
- Using the barcode scanner on page 37
- Using the battery on page 38
- Using Mobile Broadband with GNSS on page 43
- Using the discrete GPS receiver with WAAS, EGNOS, and MSAS on page 46
- Using Bluetooth on page 46
- Using Wi-Fi on page 46
- Using the fingerprint reader on page 47
- Using WinMagic® SecureDoc™ on page 50
- Using the smart card reader (optional) on page 51
- Locating your serial number on page 53
- Backing up your system on page 54
- Restoring your system on page 54
- Finding other software on page 56

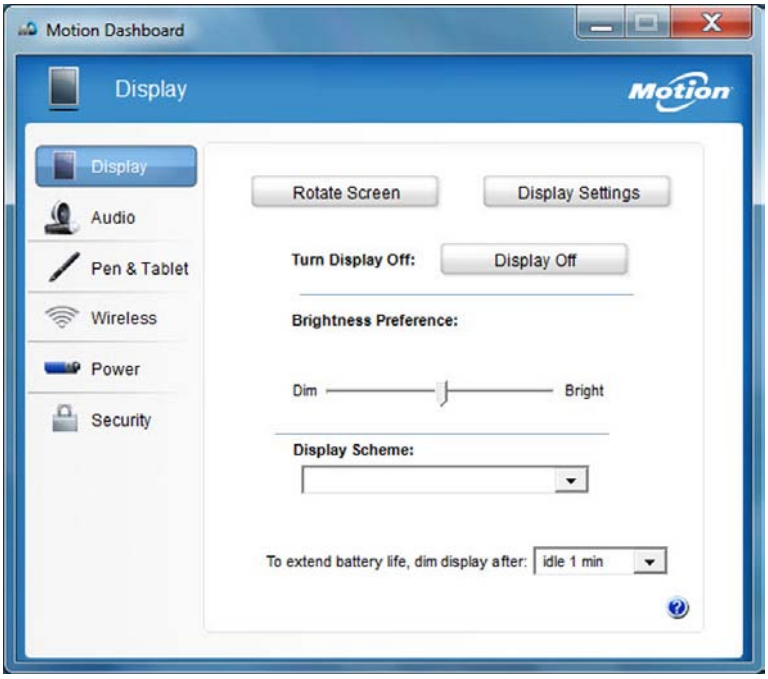
Motion Computing applications

Your C5m/F5m includes some Motion Computing applications that will help you configure your Tablet PC to fit your needs, manage common Windows® settings, and access resources for additional information:

	Motion Dashboard	Motion application for changing tablet settings.
	Motion Getting Started	Document that contains tips for starting out with the C5m/F5m Tablet PC.
	SnapWorks™ by Motion®	Application that enables you to shoot, save, edit, email, print, and copy your photos. See Using the cameras on page 32.

Using Motion Dashboard

Motion Dashboard provides a convenient way to change common tablet-related settings.



To open Motion Dashboard:

- From the taskbar, tap the Motion Dashboard icon .

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

NOTE: This is a partial list of tasks that you can perform with Motion Dashboard. Some of these tasks are described in this chapter; all tasks are described in Motion Dashboard by tapping the help icon .

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 • 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
Security	Configure settings for Motion OmniPass, Windows Action Center, and Infineon TPM (if enabled).

Accessing Motion tools from the Windows notification area

You can access common Motion tools from the Windows notification area.

NOTE: Initially, the Motion icons don't appear in the Windows notification area. Tap the arrow to view more icons. Tap **Customize** to enable the icons to appear.

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 C5m/F5m automatically changes the viewing orientation (landscape to portrait or vice versa) when the tablet is physically rotated.

Using touch

The C5m/F5m Tablet PC supports 10-point capacitive multi-touch with your fingers as well as input with a C5/F5-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.

Here are some ways to perform tasks on a touchscreen:

- **Tap**—Select something.
- **Press and hold**—Open a menu of options. This is equivalent to right-clicking a mouse to display a shortcut (right-click) menu.

  Note: Press and hold your finger until a circle appears then lift your finger to display the menu.
- **Double-tap**—Perform a double-click action.
- **Tap and drag**—Drag and drop.
- **Pinch fingers together**—Zoom in.
- **Spread fingers apart**—Zoom out.
- **Flick**—Scroll through a list or move quickly.
- **Press and hold the pen's function button** (equivalent to a right-click on a mouse)—Open a shortcut (right-click) menu.

NOTE: If the tablet doesn't respond when you tap with your finger, try using more of your fingertip. Unlike other types of touchscreens, the C5m/F5m 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.

Calibrate touch

The digitizer is an application that detects the position of the pen or your finger on the touchscreen display. You should calibrate the digitizer the first time you start your Tablet PC. Then, you can recalibrate the digitizer whenever the pointer doesn't align with the pen tip or finger.

To calibrate the digitizer:

1. Open Motion Dashboard.
2. Tap **Pen & Tablet**.
3. Under **Pen & Tablet**, tap **Calibrate Digitizer**.
4. Tap the **Calibrate** button in the Display tab.
5. Choose **Pen input** or **Touch input** in the following pop-up display.
6. Provide calibration samples by tapping the crosshairs with your pen or finger in the following screen as directed.
7. Tap **Yes** or **No** when asked if you want to save the calibration data.

Changing to one-tap open for touch

You may want to change how you use touch to 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

You can customize touch input by setting the input mode. You can use:

- Your finger only; no pen input is detected.
- The pen only; no finger input is detected.
- Both your finger and a pen.
- Switch between touch and pen input, in which case you double-tap to switch to touch input. This is useful to prevent the tablet from responding to unintentional touch input.

To configure touch settings:

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

3. Tap **Touch Settings**.
4. In the **Digitizer Options** tab in the **Input Mode** section, tap the desired mode.

Touch settings

You can use Motion Dashboard's Touch Settings to enable or disable touch, select right-click options when using touch, and to calibrate the digitizer for touch. The digitizer detects the position of your finger on the touchscreen display. You should calibrate the digitizer the first time you start your Tablet PC. You can recalibrate the digitizer whenever the pointer doesn't align with your finger.

To adjust touch settings:

1. Open Motion Dashboard.
2. Tap **Pen & Tablet**.
3. Tap **Touch Settings**.
4. Select **Press-and-hold to Right-Click** if you want to enable this option and move the slider to adjust the amount of time you touch the screen before this function is activated.
5. Select **Enable Touch** if you want to use your finger as an input device.
6. Tap **Calibrate** to activate touch calibration.
7. Provide calibration samples by tapping the crosshairs with your finger in the following screen as directed.
8. Tap **Yes** or **No** when asked if you want to save the calibration data.
9. Tap **OK** to save your settings.

Adjusting touch settings

You can adjust how your finger movements are interpreted. 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.
- Change the location of menus to appear to the right of your hand, which is helpful if you're left-handed.

To change touch settings:

1. Open Motion Dashboard.
2. Tap **Pen & Tablet**.
3. Tap **Pen & Input Devices**.
4. Tap the **Touch** tab.

5. To enable Touch, tap **Use your finger as an input device**.
6. To enable multi-touch gestures, tap **Enable multi-touch gestures and inking**.
7. To adjust the double-tap action, under **Touch action**, tap **Double-tap** then tap **Settings**. Move the slider to make your adjustments.
8. To adjust the Press and hold action, under **Touch action**, tap **Press and hold** then tap **Settings**. Move the slider to make your adjustments.
9. To display the touch pointer on the screen, tap **Show the touch pointer**.
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.
- 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 C5m/F5m Tablet PC responds only to the C5/F5-Series pen that comes with the tablet. Do not use traditional pens or other pointing devices with the C5m/F5m.

To change pen settings:

1. Open Motion Dashboard.
2. Tap **Pen & Tablet**.
3. Tap **Pen & Input Devices**.
4. Tap the **Pen Options** tab.
5. To adjust the speed and spacial tolerance of the Double-tap action, under **Pen action**, tap **Double-tap** then tap **Settings**. Move the slider to make your adjustments.
6. To adjust the speed and duration of the Press and hold action, under **Pen action**, tap **Press and hold** then tap **Settings**. Move the slider to make your adjustments.
7. To enable the function button on the pen, tap **Use the pen button as a right-click equivalent**.

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. You can use this feature to calibrate your Tablet PC screen for pen or touch input.

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:

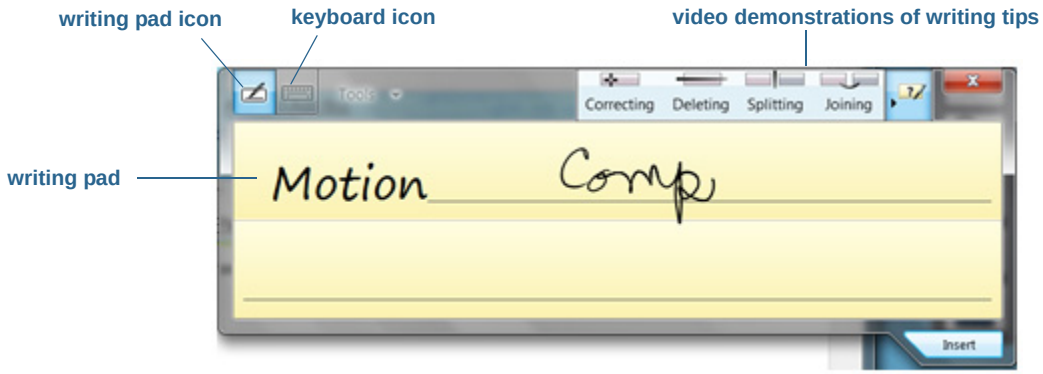
1. Open Motion Dashboard.
2. Tap **Pen & Tablet**.
3. Tap **Tablet PC Settings**.
4. Tap the **Display** tab.
5. Tap **Setup** next to "Configure your pen and touch displays."
6. Tap **Touch Input.**
7. Press the **Enter** key until you see the instructions appear on the display that you want to use for touch input.

8. Follow the on-screen instructions.

   Press **Esc** to end the process.

Entering text and handwriting recognition

You can enter text either by writing on a virtual note pad (called the writing pad) or by tapping characters on the on-screen keyboard.



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**.



TIP: Resize the keyboard panel by dragging the handle at the bottom right of the keyboard. Also, you can use the **Ctrl**, **Alt**, **Fn**, **Del** and **Bksp** keys as you do on a normal keyboard.

Opening and closing the input panel

The tablet PC input panel often opens automatically when you tap in a text field. You can also tap the tab located on the left side of the screen to expand the input panel.

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**.

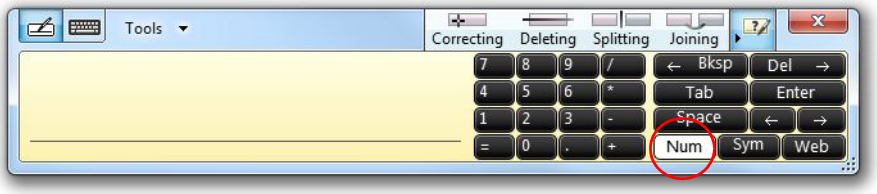
TIP: If you're left-handed, you can move the input panel to the right edge of the screen to make it easier to use.

Entering numbers with numbers pad

If you find yourself typing a lot of numbers, use the numbers pad.

To open the numbers pad:

- Tap the Num key at the bottom of the writing pad.



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**.



Using handwriting recognition

Handwriting recognition is enabled by default. The more you write, the quicker your handwriting is recognized because the tablet has an automatic learning tool that collects data about the words you use and how you write them. This data is stored under your user profile.

You can use Windows Handwriting Personalization to build your handwriting recognition profile, which will increase the tablet's ability to recognize your handwriting. You supply handwriting samples to target specific handwriting recognition errors and to teach the recognizer your handwriting style.

To use handwriting personalization:

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 **Target specific recognition errors** to correct recognition errors for specific characters or words that are being identified incorrectly.
5. Tap **Teach the recognizer your handwriting style** to train the tablet to recognize your general handwriting style.

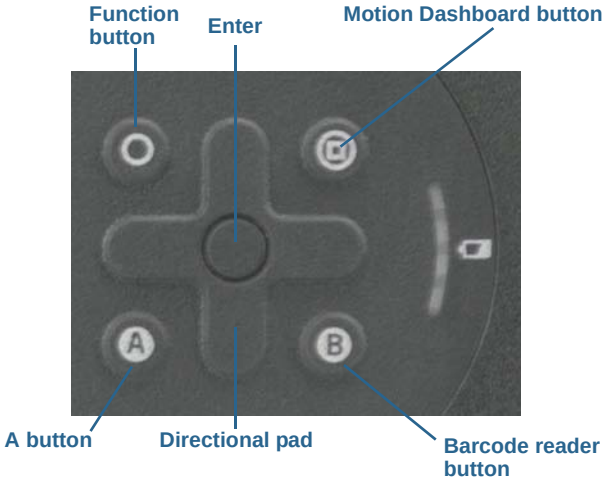
TIP: If you inherit your C5m/F5m from another user, you can reset automatic learning.

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.**

Using the front panel buttons

As you become more familiar with your Tablet PC, you can customize the buttons on the front panel. You can configure the buttons to start your favorite program, run a command, or enter a key combination.



Button	Primary	Secondary (Function+button)
Function	Activates secondary function for other buttons.	N/A
Enter	Makes a selection—equivalent to the **Enter** key.	Windows button
Motion Dashboard button	Starts Motion Dashboard.	Opens Windows Journal™.
Directional pad	Moves the pointer or navigates through documents. Equivalent to arrow keys on a keyboard.	Left = Shift+Tab Right = Tab Up = Page Up Down = Page Down
A button	User-programmable	Rotates the display orientation.
B button	Activates the barcode reader (if installed).	Cancels the current task—equivalent to the **Esc** key.

The directional pad orientation rotates to match the display orientation. To move the pointer in a certain direction, press that direction on the pad regardless of orientation. For example, “up” in landscape orientation becomes “left” in portrait orientation.

Configuring front panel buttons

As you become more familiar with your tablet, you can customize the buttons on the front panel. You can configure the buttons to start your favorite program, run a command, or enter a key combination.

To configure the front panel buttons:

1. Open Motion Dashboard.
2. Tap **Pen & Tablet**.
3. Tap the **Tablet PC Settings** button.
4. In the Tablet PC Settings window, tap the **Buttons** tab.
5. Select the primary or secondary orientation for which you want to change the button settings from the **Button settings for:** drop-down list.

TIP: You can configure different button settings for different orientations.

6. Select the button combination you want to change. The currently selected buttons appear in red.
7. Tap **Change**.
8. Select the appropriate action for the button.

For some actions, you must enter more information, such as the location of a program to start. You can select an action for **Press** and another for **Press and hold**. For more information, tap **What is press and hold?**

NOTE: To reset the buttons to their default values, tap **Reset**.

Connect an external monitor

To connect an external monitor to the C5m/F5m, you use theC5/F5-Series docking station, which is sold separately.

To set up an external monitor:

1. Connect the monitor cable from the external monitor into theC5/F5-Series docking station according to the C5/F5-Series *Docking Station User’s Guide*.
2. Plug in the external monitor and turn it on.
3. If necessary, install software and drivers for the monitor. See the manufacturer’s documentation for more information.

Using the built-in microphones

You can use the built-in array microphones to record audio, dictate notes, and use voice commands. The two microphones are used at the same time to optimize sound detection for speech recognition and voice recording.

Using the cameras

Your C5m/F5m may include built-in web and documentation cameras.

Using the web camera

The web camera is a 2MP camera that supports color images and streaming video. It's located on the front of your tablet. You can use the web camera for web-based video communication. The web camera has a maximum resolution of 1280 x 1024 pixels.

If you'd like to use Skype™ with your web camera, from the Start menu, select **All Programs** > **Skype** > **Skype**.

Follow the on-screen instructions for using Skype or the web camera software of your choice.

Using the documentation camera

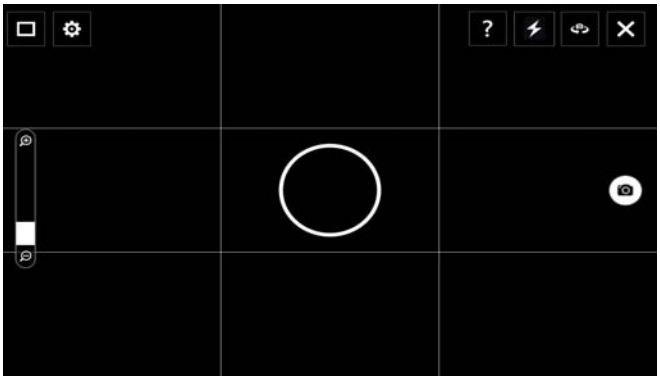
Your C5m/F5m is equipped with an integrated 8MP auto-focus camera. You can use the camera to take pictures and save them on the Tablet PC. The camera lens is on the back of the unit.

SnapWorks™ by Motion®

The C5m/F5m includes an application called SnapWorks™ that enables you to shoot, save, edit, email, print, and copy your photos.

Taking a photo with SnapWorks

1. Tap the camera icon on the Windows taskbar to activate Motion SnapWorks.



2. Point your camera at the subject you want to photograph.

   You can use the grid and center circle to help you line up your subject(s).

3. Tap the camera icon on the right side of the screen or press the Camera button to take a picture.

   To zoom in or out on your subject, use the zoom adjustment slider on the left side of the screen.

4. Your photo is saved and stored in the image storage location specified in the SnapWorks settings. By default, this is the **C:\Users\[your username]\Pictures** directory.

5. If you want to take a photo with the web camera, tap the Flip icon in the upper right-hand corner of the screen.

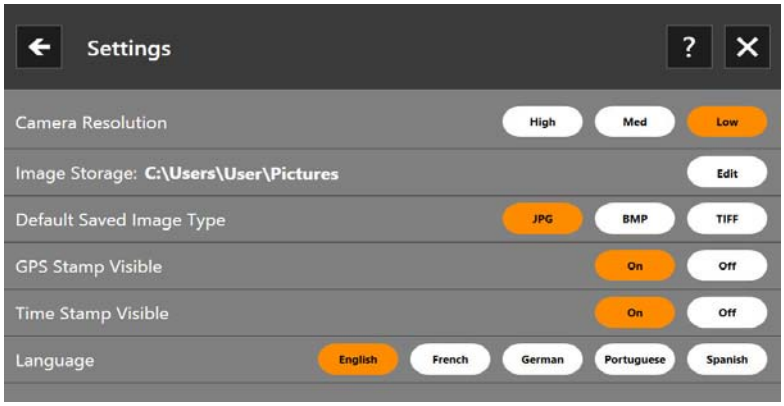
   After you take your photo, you can tap the Flip icon again to return to the documentation camera viewfinder.

6. To activate the flash, press the flash icon once if you want to use the flash for taking all photos. Press the flash icon twice to initiate auto flash mode, which activates the flash only when required by the ambient lighting conditions.

Configuring SnapWorks settings

1. Tap the Settings icon in the upper left-hand corner of the screen.

   The SnapWorks configuration screen is displayed.

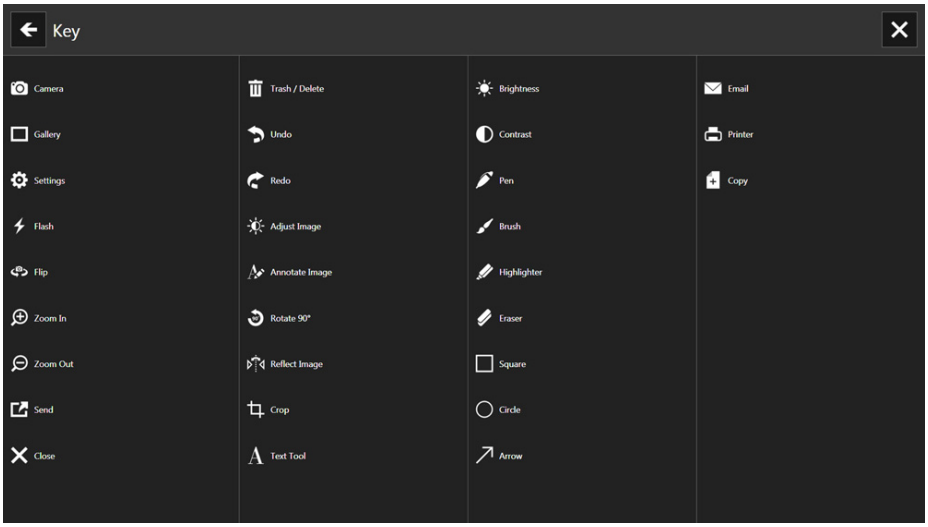


Setting	Description
Camera Resolution	Change the resolution of your photos—High = 2048 × 1536 pixels; Med = 1024 x 768 pixels; Low = 640 x 480 pixels (**Note:** These resolution values apply to the documentation camera only.)
Image Storage	Specify the location where your photos are stored.
Default Saved Image Type	Use to select the image format you want to use for your photos.
GPS Stamp Visible	Tap **On** to include a GPS location stamp on your photo. You can see the GPS stamp when you view your photo.
Time Stamp Visible	Tap **On** to include a time stamp on your photo.
Language	Select your preferred language for the SnapWorks interface.

TIP: Tap the Left Arrow icon to return to the previous screen. Tap the Close icon to exit SnapWorks.

SnapWorks help

Tap the Help icon ? to open the Key screen where you can view all SnapWorks™ icon descriptions.



Editing a photo in SnapWorks

1. Tap the Gallery icon in the upper left-hand corner of the screen to open the directory where your photos are stored.

   You'll see the most recent photos you have taken.

2. Double-tap the photo you want to edit.

   The photo opens and you'll see two icons at the bottom left-hand corner of the screen that you can tap to open the SnapWorks photo editing tools.

3. Tap the Adjust Image icon to access editing tools to rotate, crop, or create a mirror image of your photo.

   You can also make contrast and brightness adjustments to your photo in this screen.

4. Tap the Annotate Image icon to access editing tools for adding text, handwriting, brush strokes, or highlighting part of your photo.

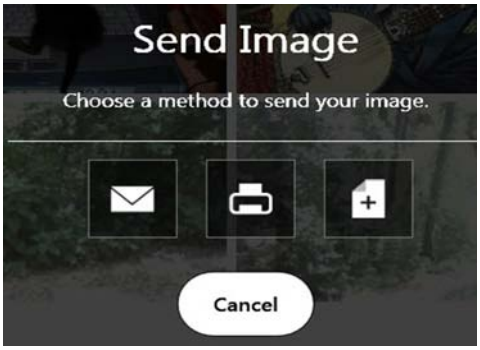
   This screen also includes tools for drawing squares, circles, or arrows on your photo as well as a color palette that enables you to change the color of your annotations.

5. When you're finished editing your photo, tap the Camera icon in the upper left-hand corner of the screen to return to the camera screen.

Sending, printing, and copying your photos

1. To send your photo via email, tap the Gallery icon in the upper left-hand corner of the screen to open the directory where your photos are stored.
2. Tap your photo once to select it, then tap the Send icon .

   You'll see a pop-up window that tells you to choose a method to send your image.



3. Tap the Email icon to send your photo as an email attachment.
4. Select the resolution of the image you want to email in the following pop-up window.

   Your default email program opens and the photo you selected is attached.

5. Tap the Printer icon to send your photo to a printer.
6. Select the resolution of the image you want to print in the following pop-up window.

   The photo you selected is sent to the printer.

7. Tap the Copy icon to copy your photo to the clipboard.
8. Select the resolution of the image you want to copy in the following pop-up window.

   The photo you selected has been copied to the clipboard and you can paste it into the application of your choice.

Documentation camera tips

- Hold the camera steady and give it a few seconds to focus.
- If your pen is tethered, ensure that the tether is not in front of the camera lens.
- Make sure you have adequate lighting to take your photo.

Using the barcode scanner

Your C5m/F5m is available with an optional integrated 1D and 2D barcode scanner that you can use to retrieve information from barcodes. Many applications use barcodes for asset tracking, identification, and process controls.

Supported barcode types

The C5m/F5m barcode scanner supports several different types of barcodes—a minimum set of barcodes is enabled at the factory.

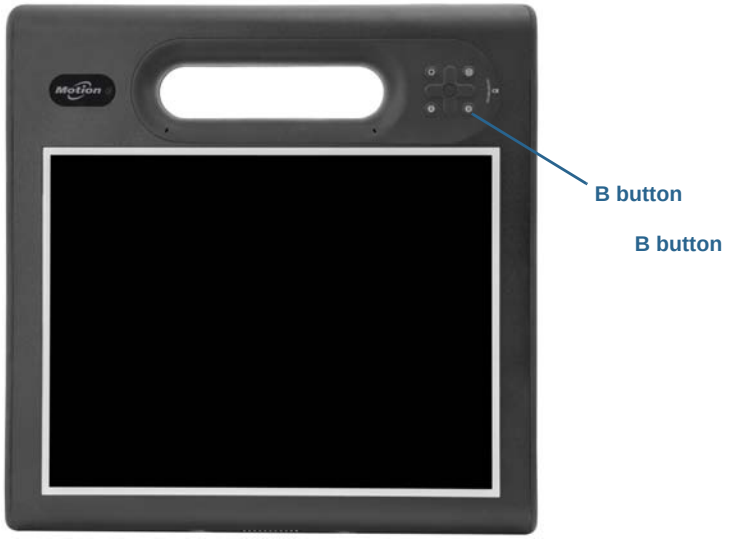
The following symbologies are enabled by default:

- Aztec Code
- EAN-128
- Code 39
- UPC-A
- EAN-8
- Interleaved 2 of 5
- Micro PDF417
- RSS Limited
- Code 128
- EAN-UCC-CC-AB
- DataMatrix
- UPC-E
- EAN-13
- PDF417
- RSS-14
-

Other barcode types can be enabled by using EasySet software. To access EasySet, install it by running **setup.exe** from **C:\Motion\Software\EasySet**.

To use the barcode scanner:

1. Open the application that you want to receive the barcode data and place the insertion point in the appropriate field.
2. Aim the scanner lens at the barcode.
3. Press and release the **B button** on the front of the Tablet PC. Ensure that the scan beam covers the entire barcode.



If the scan was successful, the data will appear in the application and you will hear a chime sound as confirmation.

Barcode scanner tips

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

Using the battery

The C5m/F5m includes a high-capacity Lithium-ion battery that fits into the back of the unit. Under normal conditions, you can run the tablet on battery power for over eight hours. Battery life varies by configuration, applications in use, utilized features, and operating conditions. Maximum battery capacity decreases with time and use. Motion battery life estimates are based on MobileMark® 2012 performance testing.



DANGER: To avoid personal injury, handle the battery with care. Don't open, puncture, short, or expose it to fire or water. Keep the battery in an environment with ambient temperature of less than 104°F (40°C). For example, don't leave the battery in a closed car in hot weather for an extended time. For more information, see the *Safety and Regulatory Guide* packaged with the Tablet PC.

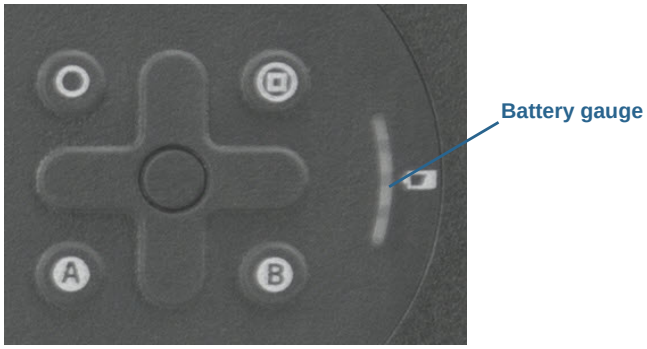
Checking tablet battery power

You can check the remaining battery power several ways:

- When the tablet is plugged in to an outlet, the battery gauge shows whether the battery is fully charged (green) or charging (amber).
- From Motion Dashboard (**Power** settings)
- From the notification area in the Windows desktop, tap the power indicator, which changes appearance depending upon whether the Tablet PC is running on battery power or is plugged in.
  - If the tablet is plugged in, tap the plug icon .
  - If the tablet is on battery power, tap the battery icon .

The battery gauge is located on the front of the C5m/F5m Tablet PC as shown:

You can use the battery gauge on the front of the unit to monitor the status of the battery.



When the tablet is plugged in, the lights on the gauge indicate the battery's current level of charge—from one amber light (less than 25% charged) to four green lights (between 75% and 100% charged).

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

1. Locate the battery gauge on the front of the tablet.
2. When the tablet is on *battery power*, the lights indicate:
   - Four green lights: The battery is 75% to 100% charged.
   - Three green lights: The battery is 50% to 75% charged.
   - Two green lights: The battery is 25% to 50% charged.
   - One green light: The battery is 25% charged.
   - Flashing amber light: The battery is low and requires an immediate charge.

   When the tablet is on *AC power*, the lights indicate:
   - One amber light: The battery is less than 25% charged.
   - Two amber lights: The battery is 25% to 50% charged.
   - Three amber lights: The battery is 50% to 75% charged.
   - Four amber lights: The battery is 75% charged.
   - Four green lights: The battery is 100% charged.

To check the remaining battery power when the tablet is off:

- Press the button next to the battery gauge on the back of the battery.

The indicator lights show the remaining charge. Each light represents about 25% of the total charge.



Removing and replacing the battery

Before you remove the battery, ensure that the tablet is plugged in, turned off, or in Hibernate (page 16) or Sleep mode (page 16). If you're hot-swapping the battery (page 40), you can do so while the tablet is on and running on battery power.

To remove the battery:

1. With the back of the unit facing you, slide and hold the battery latch.
2. Insert your finger under the finger grip and remove the battery from the battery compartment.

To replace the battery:

1. Place the tabbed end of the battery into the battery compartment.
2. Press the battery down until it locks into place.

Hot-swapping the battery

Changing a tablet battery while the tablet is in use and running on battery power is called "hot-swapping." You can hot-swap a battery only if you have a *second* charged battery to replace the battery that is low on power.

While hot-swapping the battery, you will notice the following behaviors:

- The tablet's display gets dimmer. Once the charged battery is in the tablet, the tablet's display brightens again.
- The battery gauge's LED lights turn off. Once the charged battery is in the tablet, the LED lights turn on again.
- The power button is disabled. (The power button is disabled at any time the tablet has no battery and is not running on AC power through the power adapter.)

Important: You have one minute to hot-swap the battery. If you don't insert a charged battery within one minute, the tablet goes into Hibernate mode. If the tablet is in Sleep mode and you don't insert a battery within one minute, the tablet wakes up, then goes into Hibernate mode.

To hot-swap the battery:

1. Remove the battery (page 40).
2. Insert the new battery (page 40).

Important: Use only Motion Computing C5/F5-Series batteries with the tablet.

Long-term battery storage

Don't store any batteries with a full charge; this can cause a permanent loss of charging capacity. For long-term storage, ensure that the charge level is between 20% and 40% (two contiguous LEDs illuminated), and remove the battery from the tablet. Check stored batteries every 90 days to determine the charge status. If only one LED or no LED is illuminated, recharge the batteries to a level between 20% and 40%.

For optimum care, store the battery in a cool, dry environment. Never expose the battery to temperatures above 60ºC (140ºF).

NOTE: In storage, the batteries will self-discharge at a rate of 10% of the total capacity per month.

Disposing of used batteries

A Lithium-ion (Li-ion) battery should be disposed of at a hazardous materials recycling center when it is no longer serviceable. Don't throw it in a waste receptacle because the battery could be deposited in a landfill.

Battery and power management tips

- To lengthen the battery's usable 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're going to leave it unattended for more than a few minutes.
- Remember that the display, processor, wireless cards, and accessories all draw power from 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.
- Turn off wireless devices when they aren't being used. Open Motion Dashboard, tap **Wireless**, and deselect the checkbox beside **Enable 802.11 Internal Wireless**.

Changing the power plan

By default, the C5m/F5m 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.

Power Saver mode consists of the following actions:

- Dim the display after 2 minutes.
- Turn off the display after 5 minutes.
- Enter Sleep mode after 10 minutes.

If necessary, you can change the Motion Optimized power plan from Motion Dashboard.

To change the power plan:

1. Open Motion Dashboard.
2. Tap **Power**.
3. Tap **Power Options**.
4. Select a power plan from the list of available plans.

NOTE: Setting the power plan to Power Saver reduces the tablet's performance, but it will extend battery life.

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. Beside **Power Switch on battery**, select what you want to happen when the power switch is pressed while the tablet is running on battery.
4. Beside **Power Switch plugged in**, select what you want to happen when the power switch is pressed while the tablet is plugged into an outlet.

Using Mobile Broadband with GNSS

Use the information in this section to enable Mobile Broadband and the Mobile Broadband GNSS receiver. Mobile Broadband access requires an account with a Mobile Broadband network carrier. To use the GNSS receiver, you don't need a network connection or an account with a Mobile Broadband network carrier.

Enabling Mobile Broadband with GNSS

You can purchase a C5m/F5m Tablet PC with an optional embedded mobile broadband module that enables you to connect to a variety of mobile broadband networks for sending and receiving data wirelessly. You can typically use mobile broadband anywhere you can use your mobile phone.

The mobile broadband module includes Global Navigation Satellite System (GNSS) support. The GNSS receiver uses GPS and GLONASS satellites to determine the current location, altitude, heading, and horizontal velocity of the C5m/F5m. You don't need a network connection or an account with a mobile broadband network carrier to use the GNSS receiver. You can use it with your preferred mapping applications to find your current and desired locations.

Before you can establish a Mobile Broadband connection or use the Mobile Broadband GNSS receiver, you must ensure that Mobile Broadband with GNSS is enabled in **Motion Dashboard**. Open **Motion Dashboard**, select **Wireless**, click **Enable Mobile Broadband with GPS**.

NOTE: Before you can connect to a mobile broadband network, you must have an active account with a cellular network provider and obtain a SIM card for mobile broadband access.

Configure Mobile Broadband

To set up Mobile Broadband:

1. Before inserting the SIM card, power the tablet on.
2. Enable mobile broadband:
   a. Open **Motion Dashboard**.
   b. Select **Wireless**.
   c. Tap **Enable Mobile Broadband with GPS**.
3. Open **Sierra Wireless Skylight Connection Manager**.
   a. **Start** > **All Programs** > **Sierra Wireless** > **Skylight** > **Skylight**
4. Tap **Options** (wrench) button.
5. Tap **Firmware**.
   a. If your desired **Network Operator** is displayed, then the Mobile broadband is already configured for your service provider. Tap **Cancel** and skip to **Insert SIM card**.
6. Tap **Network Operator** selection box to open dropdown menu.
7. Select the desired Network Operator.
   a. Supported North America service providers: Sprint, AT&T, Rogers, Telus, Bell, Verizon Wireless. For all other service providers, select Generic.

b. Supported International service providers: Vodafone, Telefonica, Orange, Telstra, Swisscom. For all other service providers, select Generic.

8. Tap **Apply**.
9. Wait for the **Configuring mobile broadband device** status window to complete with **Success**. This may take a few minutes.
10. Tap **Options**.
11. Configure your desired Profile options.
12. Tap **OK**.
13. Shut down the tablet to insert the SIM card:

    a. **Start** > **Shut down**

Insert SIM card:

1. With the Tablet PC powered off, locate the SIM card slot. You'll need to remove the battery to access the SIM card slot.
2. Insert the SIM card until it clicks, with the notched corner in (toward the tablet) and the SIM card contacts down (toward the back of the tablet).
3. Replace the battery.

Connect to mobile broadband:

1. Power on the Tablet PC.
2. Open **Sierra Wireless Skylight Connection Manager**.

    a. **Start** > **All Programs** > **Sierra Wireless** > **Skylight** > **Skylight**.

3. Tap **Connect**.

Disconnect from mobile broadband:

1. Open **Sierra Wireless Skylight Connection Manager**.

    a. **Start** > **All Programs** > **Sierra Wireless** > **Skylight** > **Skylight**

2. Tap **Disconnect**.

Using the GPS receiver

If you purchased your C5m/F5m with the optional Mobile broadband with GPS module or the optional discrete GPS module, your tablet has GPS capabilities. You can use GPS with your preferred mapping application to find your current and destination locations.

Using the discrete GPS receiver with WAAS, EGNOS, and MSAS

The discrete GPS receiver uses satellites to provide the current location, altitude, heading, and horizontal velocity of the tablet through Windows' Sensor Framework and a virtual communications port. There is no user interface for the discrete GPS receiver. The discrete GPS receiver is always on whenever the tablet is powered on. The virtual communications port assigned to the discrete GPS receiver by Windows can be viewed in the Control Panel System Device Manager.

NOTE: To use the discrete GPS receiver, you don't need a network connection or an account with a Mobile Broadband network carrier or service provider.

Using Bluetooth

You can use Bluetooth to connect to accessory devices or other computers. The devices can communicate with each other when they are in range.

To add a Bluetooth device:

1. From the Windows notification area, tap the Bluetooth icon  and select **Add a Device**.
2. Make sure the Bluetooth device is discoverable according to the device manufacturer's instructions. When a Bluetooth device is discoverable, it's visible to other Bluetooth devices within range.
3. Select the desired Bluetooth device from the list of devices.
4. Follow the on-screen instructions.

TIP: To make the C5m/F5m visible to other devices, tap the Bluetooth icon then select **Open settings**. On the **Options** tab, select **Allow Bluetooth devices to connect to this computer**.

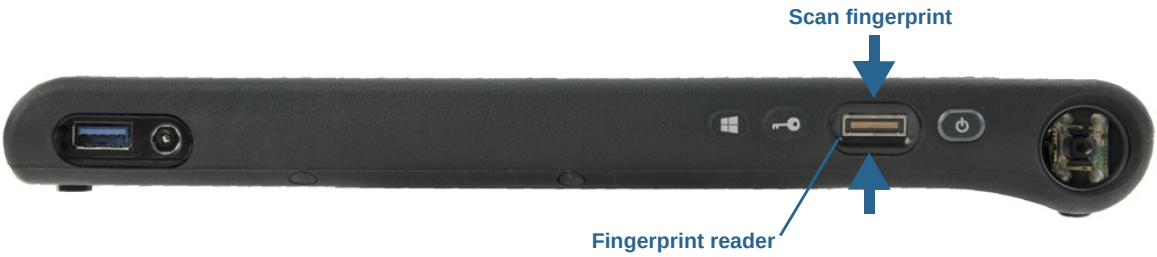
Using Wi-Fi

To connect to a wireless local area network:

1. From the Windows notification area, tap the wireless network icon .
2. Select the wireless network you want to connect to from the list of available wireless networks that is displayed.
3. If you want to use this network on a regular basis and automatically connect to it when it's available, select **Connect automatically**.
4. Tap **Connect** and enter the network security key when prompted.

Using the fingerprint reader

You can use the fingerprint reader to log on to the tablet by scanning your fingerprint instead of entering a password. This feature provides another level of security for the tablet.



If you use the fingerprint reader, you can avoid having to enter passwords for your applications and websites. For example, instead of entering various passwords to your different website accounts, you can use your fingerprint to serve as a master password that works for all your accounts.

NOTE: To adjust fingerprint sensor settings, open Motion Dashboard, tap **Pen & Tablet**, and tap **Navigation Settings**.

To set up a fingerprint password:

1. Start the Motion OmniPass™ application that you use to define and manage your fingerprint.
2. Create an Omnipass user account (called enrolling the user). See page 49.
3. Replace passwords for sites by registering OmniPass credentials. After enrolling in OmniPass, the next time you're prompted for your password you can replace the password with your OmniPass credentials. See page 50.

You can also use OmniPass to protect sensitive data stored on your Tablet PC and to perform additional security measures. For details, see the OmniPass help.

Starting OmniPass

OmniPass works in conjunction with the fingerprint reader to create and manage your fingerprints. After enrolling as an OmniPass user, you use OmniPass to secure files, applications, and websites by using a fingerprint swipe.

To start Motion OmniPass:

- Tap the OmniPass icon in the taskbar in the Windows desktop.

  OR

- Open Motion Dashboard, tap **Security** and then tap **Motion OmniPass**

When you start the application for the first time, the Motion OmniPass application looks like this:



After you've enrolled as an OmniPass user, the application opens the OmniPass Control Center.



Create an OmniPass user account

You can enroll as a new OmniPass user to register your fingerprint. Before you begin, read the following tips.

Fingerprint reader tips

- For best results, use the **Practice** option to familiarize yourself with the fingerprint reader before enrolling the first time.
- Be consistent. Hold your finger and scan at the same angle each time. For example, if you enroll your finger with your hand open, hold your hand this way each time you scan.
- The scanner is bi-directional. You can move your finger from right to left or left to right.
- Read the prompts carefully and ensure that you wait for the prompt before you swipe.
- Swiping too quickly or too slowly can make a capture unsuccessful. Change the swipe speed until you learn the speed that works best for you.
- When scanning, press hard enough to fully contact both the nickel-colored ring and the sensor.
- Rub your fingers together to stimulate the natural skin oils so your fingerprint is easier to detect. Conversely, wipe dirt or debris off your finger before scanning it so nothing interferes with the scan.
- If you're having trouble enrolling a specific finger, enroll a different finger. Enroll multiple fingers in case one is injured.
- If you're repeatedly having trouble getting a good scan, you may need to clean the sensor. See Cleaning the fingerprint reader on page 60.

To enroll as a new OmniPass user:

1. If you haven't already done so, Start OmniPass.
2. Tap **Enroll New User**.
3. Follow the instructions in the setup program. When prompted:
    1. Supply your Windows® login user name and password.
    2. Select **Authentec Fingerprint Device**.
    3. Choose which finger you want to use as your fingerprint password and swipe your finger as instructed.
    4. Enroll a second fingerprint, which you can use if you injure your first finger.

    Note: You can enroll another fingerprint at another time from the OmniPass Control Center.
4. Back up your user profile to an external drive that you can store in a secure location in the event that your user profile is corrupted or if your Tablet PC must be reimaged.

Replace your passwords

Once you've enrolled in OmniPass, you can use your OmniPass credentials instead of your password to log on to your accounts that require passwords. This is called password replacement. You set up password replacement the next time you're prompted for a password. Instead of entering the password, you register your OmniPass credentials.

To register OmniPass credentials:

1. Open OmniPass.
2. Tap the **Password Wizard** link in the left pane and follow the instructions.

Using WinMagic® SecureDoc™

WinMagic SecureDoc is an application that enables you to encrypt your drive. This application is included with your C5m/F5m, but you have to enable it to implement drive encryption.

To enable WinMagic SecureDoc:

1. From the Start menu, select **All Programs > SecureDoc Disk Encryption > SecureDoc Control Center**.

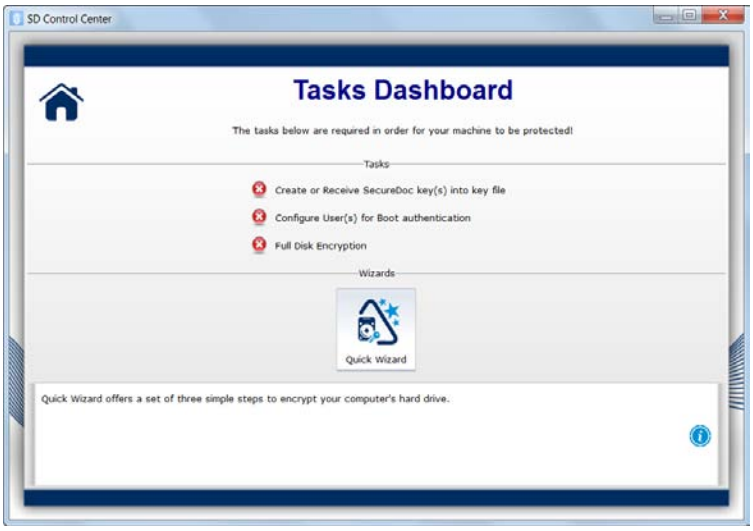
   The SecureDoc Control Center opens, where you can choose either **Getting Started** or **Advanced Mode**.



2. Tap **Getting Started** to configure hard drive encryption on your Tablet PC.

   Tap **Quick Wizard** to begin the configuration process.

3. Follow the on-screen instructions.



4. After you have enabled encryption, reboot your Tablet PC, and manually restart SecureDoc to complete the encryption process.

For more information about WinMagic SecureDoc, go to http://www.winmagic.com/products/full-disk-encryption-for-windows.

Using the smart card reader (optional)

Your tablet may include the optional smart card reader located on the back of the tablet next to the battery. This device uses smart card software to read information from the smart card when the card is inserted into the reader.

The smart card is an ISO 7816 PC/SC compliant, contact type smart card reader/writer.

Depending on the smart card software you're using:

- You may receive an acknowledgement when the smart card is fully engaged in the reader.
- You may receive a prompt or be required to shut down the software before removing the smart card.
- Some smart cards may require you to insert the smart card for authentication and then remove the smart card when authentication is completed.
- Some smart cards may require keeping the card in the reader while the smart card software is running.

To insert the smart card:

1. Place the smart card in front of the smart card reader opening with the metal contacts of the embedded chip facing the back of the tablet.

2. Slide the smart card into the smart card reader until the card is firmly seated in the reader.

To remove the smart card:

1. Depending on your smart card software, you may be required to shut down the smart card software first before removing the card. With this type of software, removing the smart card while the tablet is running can result in logging off or shutting down the tablet.
2. Pull the card straight out of the reader.



Using the SIM card slot

The SIM card slot holds one Micro-3FF SIM card. You need to use a SIM card only if you're using mobile broadband on a GSM/UMTS/HSPA network. Contact your service provider for additional information.

To insert a SIM card:

1. Turn off the tablet and remove the battery (page 40).
2. Locate the SIM slot door and open it.

   Note: The SIM card slot and a diagnostic port are behind the SIM card slot door. The SIM card slot is below the diagnostic port.
3. Place the SIM card label-side down on the battery tray. Ensure that the notch on the SIM card is in the upper-right corner.

4. Slide the SIM card into the SIM card slot until it clicks into place. You may need to use a paper clip to push the SIM card all the way in.

To remove a SIM card:

1. Turn off the tablet and remove the battery (page 40).
2. Open the SIM card slot door.
3. Press the card in slightly until it pops out. You may need to use a paper clip to push the SIM card in to release it.

Locating your serial number

You can locate the serial number for your C5m/F5m in these places:

- White label underneath the battery, which is located on the back of the tablet. The number begins with "S/N." To remove the battery, see Removing and replacing the battery on page 40.
- 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.**"

To access the BIOS Setup Utility:

1. Restart your tablet.
2. As soon as the tablet starts, and no later than when the Motion splash screen appears, tap the screen with your finger or the pen.

   An alert sounds when you've accessed the BIOS Setup Utility.

TIP: If a keyboard is attached to your C5m/F5m, you can press **F2** to open the Setup Utility. Then, press the arrow keys to select items and press **Enter** to select a submenu.

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 includes 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

NOTE: System images are designed for restoring your entire system at once when you have a serious problem with Windows 7. If you want to install particular files, folders, or other data, use Windows Backup.

Creating a system image

You can use a system image to restore the contents of your tablet if it ever stops working. A system image is an exact copy of a drive and includes Windows 7, your system settings, programs, and files. The system image requires an external drive, such as a USB flash drive, to store the image.

NOTE: We recommend that you create a system image as soon as you set up your tablet and then periodically thereafter.

To create a system image:

1. Locate a USB flash drive or other external drive to use for storing your system image.
2. From the Windows Control Panel, tap **System and Security** category, then tap **Back up your computer**.
3. From the navigation bar on the left, tap **Create a system image**, then follow the on-screen instructions.

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 54) and ensure that a keyboard is attached to your tablet.

To restore your system image from the Windows Advanced Boot Options screen:

1. Press the tablet's power button to start the tablet.
2. 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.
3. 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.
4. Select a keyboard layout in the System Recovery Options dialog box, then press **Enter**.
5. Select a user name and enter the password, then press **Enter**.
6. Attach the external drive that contains the system image.
7. In the **System Recovery Options** dialog box, use the **Tab** key to navigate to **System Image Recovery** and then press **Enter**.

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 Windows**.
8. Press **Enter** to reinstall Windows.
9. Check to see whether Windows was able to save any data from the tablet. Look in the folder called **Windows.old**.

Finding other software

For information about other software for your tablet, go to Motion Computing Accessories and the Motion Computing Store. You will find links to software solutions for purchase as well as free downloads from Motion Computing and its service partners.

Caring for your C5m/F5m 3

Proper care and maintenance will keep your C5m/F5m 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 below when caring for your C5m/F5m 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 magnetic fields.
- Don't place heavy objects on top of the Tablet PC.
- If you're storing the tablet for a long time, unplug the power adapter and remove the battery after partially discharging it.
- Don't open the case. Opening the case will void your warranty.

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 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.
- Use only the C5m/F5m pen to write on the display. Any other object could damage the display surface.
- Protect the display surface from unnecessary contact by using a case when transporting the Tablet PC.
- Cover the display with a protective display film.
- Avoid exposing the display to direct sunlight for long periods of time.
- If your tablet comes with a View Anywhere display, clean with any alcohol-based product recommended for anti-reflective glass. Other cleaning products might leave a residue.
- You can also purchase protective display films as well as protective cases from the Motion Computing Accessories page.

Cleaning solutions

Motion Computing maintains a list of C5m/F5m chemical disinfectants and cleaning products on its website.



WARNING: Don't use any corrosive or abrasive cleaners to clean or disinfect the tablet.

Caring for the pen

If you use a pen with your tablet:

- Store the pen in the pen holder when not in use.
- Avoid storing the pen vertically on its tip. It can damage the pen-to-digitizer function.
- Keep the pen away from any liquid because the pen contains electronic components that could be damaged when wet.
- In certain environments, particles or debris can stick to the pen tip or the Tablet PC display. Make sure you wipe off the pen with a soft cloth to avoid scratching the display.
- Change the tips regularly, especially if you drop the pen onto a rough surface that could damage the tip or embed debris in it. Damaged pen tips can scratch the display.

NOTE: To order pens or new pen tips, go to Motion Computing Accessories.

Replacing pen tips

Pen tips eventually wear down or get damaged, so the pen includes extra tips and a tool for replacing them.

With typical use, you should change the pen tip every 90 days. If you use the pen in a dirty or dusty environment, you should change the pen tip every 30 days. Particles can become embedded in the pen tip and scratch the display.

To replace the pen tip:

1. Grasp the old tip with the replacement tool. Use the notch on the ring to grab the tip.
2. Pull the old tip out of the pen.
3. Insert a new tip, placing the flat end of the pen tip in first.
4. Apply slight pressure to push the tip in to place.

Cleaning in a healthcare environment

This section describes the cleaning procedures for the Tablet PC in a healthcare environment.

Disinfecting procedures

You should periodically disinfect the tablet according to the institutional polices of surface and equipment safety and cleanliness. Motion Computing has tested a variety of antimicrobial solvents and information about specific products is available upon request.

According to the Centers for Disease Control and Prevention, "items that do not ordinarily touch the patient or touch only intact skin aren't involved in disease transmission, and generally do not necessitate disinfection between uses on different patients".[1] We recommend using an EPA-approved low-level disinfectant when general cleaning is required. For a list of cleaning solutions tested by Motion Computing, see Cleaning solutions on page 58.

If the tablet becomes soiled with blood or other body fluids, a hospital-approved low-level disinfectant that is tuberculocidal/virucidal when used at recommended dilutions and contact times can be used.

Visibly soiled areas should first be cleaned and then disinfected, or a detergent disinfectant can be used. For disinfection, the cleaned areas should be moistened with the appropriate germicide and allowed to air-dry.[1]

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1. Centers for Disease Control and Prevention. "Sterilization or Disinfection of Medical Devices-General Principles." 2002. <www.cdc.gov/ncidod/dhqp/bp_sterilization_medDevices.html> (20 Sept. 2006).

If the tablet is used with patients who are infected or colonized with vancomycin-resistant enterococci or other drug-resistant microorganisms judged by the infection control program (based on current state, regional, or national recommendations, to be of special or clinical or epidemiologic significance or with highly virulent microorganisms such as Ebola or Lassa), then the unit should be dedicated to one patient or patient cohort or subjected to low-level cleaning between patient uses.[1]

Training and documentation considerations

All users of tablet computers in the healthcare environment should be provided with training on proper cleaning procedures. Cleaning procedures should be added to the institution's policies and procedures for infection prevention.

Cleaning the fingerprint reader

Under normal circumstances, you should clean the fingerprint reader once a month, or whenever necessary.

To clean the fingerprint reader:

1. Shut down the tablet, unplug it, and remove the battery.
2. Lightly spray a cotton swab with household window cleaner.
3. Gently rub the sensor surface with the cotton swab, slowly rotating the swab so a new, clean surface of the swab is constantly exposed to the sensor surface. Don't allow cleaner to drip or run down into the electronics around the sensor.

   Don't use bleach, solvents, or abrasives. Don't spray or pour any liquid directly on the sensor.
4. After cleaning, gently rub the surfaces again with a clean, dry cotton swab. Use a clean swab each time you clean the sensor.

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 38.

Traveling with your C5m/F5m Tablet PC

Use the following tips when you travel with your C5m/F5m Tablet PC:

- Put the Tablet PC in a case to protect the display. Motion Computing sells a variety of cases for the C5m/F5m. You can purchase one at the Motion Computing Accessories page.
- Store the pen in the pen holder located on the back side of the tablet handle.
- Pack the Tablet PC securely in a briefcase or hand-carried luggage and keep it separate from toiletries, liquids, and food. Don't 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.
- For international travel, use the appropriate adapters for your destination's electrical outlets. You don't 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.
- Consult your insurance and credit card companies to learn about emergency travel assistance in case your Tablet PC becomes lost or disabled.
- Don't carry your tablet through a metal detector.
- Turn off the Tablet PC or place it in Hibernation mode for airplane takeoff and landing.

TIP: Check with your airline for exact rules on using your Tablet PC and Wi-Fi while traveling. If required, you can disable all of your wireless devices using Motion Dashboard. To disable the wireless devices, open Motion Dashboard, tap **Wireless**, and deselect the checkboxes in the **802.11 Wi-Fi** section.



DANGER: Don't transport Li-ion batteries in checked baggage. The baggage hold can get very hot, which can cause the Li-ion battery to overheat and result in a possible explosion. You can take up to two spare batteries in carry-on luggage, in addition to the one in the unit. Transporting batteries in checked baggage or transporting more than two spare batteries is a violation of federal transportation regulations.

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.

NOTE: Enterprise users should contact their support organization for assistance with resolving tablet, application, or connectivity issues.

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 tablet doesn't shut down

- An application might have stopped responding. Use Task Manager to manually stop the application. Press **Ctrl**+**Alt**+**Delete** or press the Security button and select **Task Manager**. You can also press and hold the power button  for five seconds to force the tablet to shut down. However, this is not recommended.
- If the tablet doesn't shut down after holding the power switch for five seconds, do the following:

  1. Remove the battery (see Removing and replacing the battery on page 40).
  2. Unplug the power adapter.
  3. Press the camera, security, and Motion Dashboard buttons simultaneously.

The tablet won't enter Hibernation mode

- Hibernation might not be enabled. Enable hibernation by adjusting the power button behavior from Motion Dashboard. See Changing how the power button functions on page 43.

The tablet doesn't return from Hibernation mode while on battery power

- The battery might be depleted. Plug the Tablet PC's power adapter into an AC outlet and into the Tablet PC.

The power button is blinking but nothing is happening

- The tablet is in Sleep mode. Press the power button to wake up the tablet. To power off the tablet completely, you can press and hold the power button  for about five seconds. However, this is not recommended. Under normal conditions, power off the Tablet PC by swiping from the right, tapping **Settings**, and then tapping the **Power** icon. You should see three options: Sleep, Restart, and Shut down. Tapping Shut down will turn off your PC.

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 four 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.
- The battery may be weakening. Use a different battery if possible.
- For other battery optimizing tips, see Battery and power management tips on page 42.

Display issues

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.
  3. Select **System**.
  4. Under System, select **Device Manager**.
  5. Expand **Display adapters**.
  6. Select the adapter and select **Action** > **Update Driver Software**.
  7. Follow the on-screen instructions.

Touch or pen issues

The Tablet PC doesn't respond to the pen I'm using

- Use only the C5/F5-Series pen with the tablet. The Tablet PC doesn't respond to other digitizer pens, even Motion Computing pens for other models.

When I add an external display, touch input doesn't appear on the desired display

- Run touch setup on the desired display. Make sure a keyboard is attached to your tablet and then open Motion Dashboard. Tap **Pen & Tablet**, then tap **Tablet PC Settings**. Tap the **Display** tab, then tap **Setup** next to "Configure your pen and touch displays." Tap **Touch Input** then press the **Enter** key until you see the instructions appear on the 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."

The eraser doesn't work

- The eraser may not be enabled. You can use Tablet and Pen Settings window to enable the eraser. See Adjusting pen settings on page 25. The eraser works on digital ink only, not text.

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 C5m/F5m 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 C5m/F5m 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**.

The pointer on the screen doesn't align with the pen

- The pen may need to be calibrated. Open Motion Dashboard, then tap **Pen & Tablet**, and tap **Calibrate digitizer**. The calibration program begins. Don't touch the display until the program has finished.

Ports and connectors issues

The tablet doesn't recognize the USB device

- Windows may take a short time to recognize the USB device. Wait a few moments to see if the device is recognized.
- 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 C5m/F5m is in its dock, but the tablet doesn't recognize any accessory devices, such as the external disk drive or monitor

- The C5m/F5m 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 C5m/F5m must be connected to a docking station. The Ethernet port for the C5m/F5m is located on the dock.
- The connection to the dock may be loose. Remove the Ethernet cable and reconnect it.
- The Ethernet network may be experiencing problems. Check with your System Administrator to determine the status of the network.
- Replace the Ethernet cable.

Wi-Fi issues

I can't connect to a Wi-Fi network

- Your C5m/F5m may not have located a Wi-Fi network. From the Start menu, tap **Control Panel** then **Network and Internet**. View your active networks. If no network is connected, tap **Connect to a network** and select a network from the list.
- Your Tablet PC may be too far from the wireless router or access point. Move your tablet closer to the router or access point.
- Wi-Fi must be enabled from Motion Dashboard. Open Motion Dashboard, tap **Wireless** and select the checkbox next to **Enable 802.11 Internal Wireless**.
- You may not have access to the network. Obtain a user name and password from your System Administrator.
- Your tablet's security settings may prevent a connection. For example, the network may not be broadcasting the network name (SSID) or encryption may be required. Check with your System Administrator.

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 C5m/F5m 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:

- 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 battery is charged.
- If the tablet still can't detect the Bluetooth device, contact the device manufacturer for assistance.

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're 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 with 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 not use a Bluetooth wireless 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're having issues 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 shouldn't be considered completely secure.

Mobile broadband with GNSS issues

I can't connect to a mobile broadband network

- Mobile broadband is only available if you purchased your C5m/F5m with the optional Mobile Broadband with GNSS module.
- A mobile broadband network requires you to have a data plan from a cellular network provider.
- You'll need a SIM card from your network provider. See Using the SIM card slot on page 52. The SIM card contains your account information.
- Ensure that Mobile Broadband with GNSS is enabled in **Motion Dashboard**. Open **Motion Dashboard**, select **Wireless**, click **Enable Mobile Broadband with GPS**.

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

- The tablet should be shut down when changing or inserting the SIM card. Restart the tablet to enable the SIM card.

The GPS doesn't work

- The GPS receiver is only available if you purchased your C5m/F5m with the optional Mobile Broadband with GPS module.
- The GPS navigation or mapping application you are using must be able to handle standard NMEA GPS information.

Audio issues

No sound is coming from the built-in speakers

- The volume may be set too low or muted. Tap the volume icon in the Windows notification area in the taskbar and adjust the slider to raise the volume.

No sound is coming from the built-in speakers or external speakers

- The integrated audio components may have been overwritten. If you install a third-party audio device (such as a USB or Bluetooth device), the integrated audio may stop working. If this happens, reinstall the audio drivers. After you install these, if you still have issues with volume, contact your System Administrator or service provider.

System issues

I forgot my BIOS password and can't access my tablet

- You can enter several incorrect passwords before the BIOS temporarily locks the system. You can try again by restarting the system. If you still can't log on, contact your System Administrator.

The tablet seems to be operating slower than usual

- Reboot your Tablet PC.
- The solid state drive (SSD) may be full or nearly full. You can free up space on your drive. You can use Disk Cleanup to free up space on your drive. For instructions, open Windows Help and search for "disk cleanup."
- Unlike traditional hard drives, SSD drives, such the one installed in C5m/F5m, see no performance benefit from traditional HDD defragmentation tools. Using these tools simply adds unnecessary wear to the SSD. It is recommended that you disable any automatic or scheduled defragmentation utilities on your tablet.

I want to make my tablet run faster

- Change the Power plan to **High performance** in the Motion Dashboard Power section. See Changing the power plan on page 42.

Frequently asked questions

How can I make the battery charge last longer?

- By default, the power plan for the C5m/F5m 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.
- Disable any unused devices. 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 front of the tablet is amber when the tablet is charging.

How do I check the battery charge when I'm running on the battery?

- The battery gauge on the front of the tablet shows the level of battery charge. The number of lights indicate the level of charge where four green lights indicate a full charge and one green light indicates that about 20% charge is remaining. If the lights are flashing amber, the battery is low and requires immediate charging.

How do I clean the display screen?

- To clean the display screen, wipe it with a soft cloth. Don't spray cleaners, pour any liquid, or wipe any abrasive cleaner on the screen or any surface of the Tablet PC. Don't use tissues or paper towels to clean the screen. They contain wood fibers that may scratch the surface.
- Motion Computing maintains a list of C5m/F5m chemical disinfectants and cleaning products on its website.

How do I clean the View Anywhere display screen?

- To clean the View Anywhere display screen, wipe it with a soft cloth. If needed, clean with any alcohol-based product recommended for use on anti-reflective glass. Other cleaning products may leave a residue. Don't spray cleaners, spray or pour any liquid, nor wipe any abrasive cleaner on the screen nor any surface of the unit. Don't use tissues or paper towels to clean the screen. They contain wood fibers and may scratch the surface.

Will scratches affect the performance of the display or digitizer?

- Our testing has not found appreciable loss of performance on a scratched display.

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 C5m/F5m?

- If the device has a driver for Windows, it will work with the tablet PC. For best results, an external monitor should be digital—and capable of connecting with the C5m/F5m

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**.

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 don't need to buy a voltage converter; the Motion AC adapter will automatically adjust to different voltages.

Where can I learn more about my C5m/F5m?

- To learn more about the C5m/F5m, check out our training tutorials and knowledge base articles. Motion Computing also offers corporate training classes.

Can I recycle my old computer?

- Yes. Motion Computing has a recycling program that allows free return of all Motion-branded products and non-Motion-branded electronics with the purchase of a similar Motion tablet for processing and disposal in an environmentally safe manner. For details, go to Motion Computing recycling program.

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