User Guide

FlipStart®

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CHAPTER 1

Introduction

The FlipStart® *User Guide* contains information and instructions that will help you to:

- Get up and running with your FlipStart.
- Learn to use the FlipStart's hardware and software.
- Maintain and care for your FlipStart.
- Troubleshoot possible problems and technical issues.

Additional information about the use and features of your FlipStart can be found within Help Central, which you can open by double-clicking the **Help Central** icon on the FlipStart desktop.

In This Chapter

Typographical conventions and icons used in this manual 2
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Using FlipStart Help Central 5
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Typographical conventions and icons used in this manual

Before you start using this guide, it is important to understand the icons and typographical conventions used in the documentation. Safety precautions are marked with the following symbols:

Warning! Failure to follow instructions marked with this symbol could result in death, bodily injury, or property damage.

Caution! Failure to follow instructions marked with this symbol could result in damage to the FlipStart or to your data.

Other special information is indicated by the following kinds of formatting:

Formatting convention	Type of Information
Triangular Bullet(➢)	Step-by-step procedures. You can follow these instructions to complete a specific task.
Special Bold	Items you must select, such as menu options, command buttons, or items in a list.
Emphasis	Use to emphasize the importance of a point or for variable expressions such as parameters.
CAPITALS	Names of keys on the keyboard, for example, SHIFT, CTRL, or ALT.
KEY+KEY	Key combinations for which the user must press and hold down one key and then press another, for example, CTRL+P, or ALT+F4.

Safety precautions

WARNING! Please read all of the following safety precautions carefully before using or storing your FlipStart. Failure to follow these instructions may result in death, bodily injury, or property damage.

General precautions

- Do not insert objects into openings in the FlipStart. Doing so may cause fire or electric shock.
- Do not cover or block the air ventilator or use the FlipStart if the air ventilator is not functioning properly. Do not use your FlipStart on a bed, sofa, chair, rug, or other surface that does not permit sufficient air circulation. Do not place a powered-on FlipStart in a carrying bag or other container. Overheating and damage to the FlipStart may result.
- Do not use your FlipStart in or around water, including near a bath tub, sink, or swimming pool. Electric shock or property damage may result.
- Do not subject your FlipStart or battery to extreme heat, cold, humidity, or severe shock.
- Protect your FlipStart from dust, dirt, food, liquids, extreme temperatures, and overexposure to sunlight.
- Do not use your FlipStart or connect or disconnect any cables during an electrical storm.
- Do not use your FlipStart while driving a moving vehicle. Serious injury or death could result.
- If you notice smoke, fire, extreme heat, or unusual noises or odors while using your FlipStart, disconnect the FlipStart immediately and contact Customer Support.
- Do not attempt to disassemble, modify, or repair the FlipStart, battery, or AC adapter. Doing so may cause serious personal injury or property damage.
- Before cleaning your FlipStart, disconnect the AC adapter, the battery, and any cables or accessories. Clean your FlipStart with a soft cloth slightly dampened with water. Do not use any aerosols, sprays, solvents, or abrasive cleaners and do not allow liquid or moisture to enter the FlipStart.
- If you move your FlipStart between environments that differ significantly in temperature or humidity, condensation may form on or within the FlipStart. To avoid damage to the FlipStart, allow sufficient time for the FlipStart to acclimate to room temperature before turning it on.
- Improper or prolonged use of the FlipStart may result in injury. Viewing the display for extended periods of time may result in eye strain.
- If you drop your FlipStart or battery causing damage, you should have the FlipStart or battery inspected before using it further.

AC adapter

- Use the AC adapter only in a well-ventilated area. Do not cover the adapter or use it inside of a carrying case. The AC adapter may become hot during normal use. Use care when handling the adapter to avoid injury or damage to property.
- Use only the AC adapter provided by FlipStart Labs or specifically approved by FlipStart Labs for use with this FlipStart.
- Do not place objects on the power cord. Do not use a damaged power cord or adapter. Fire or electric shock may result.
- Never unplug the adapter by pulling on the cable. Doing so may damage the power cord, resulting in a risk of fire or electric shock.

Batteries

- Use only batteries provided by FlipStart Labs or specifically approved by FlipStart Labs for use with this FlipStart.
- Do not use the FlipStart without the battery attached. Do not remove the battery while the FlipStart is turned on.
- Do not disassemble the battery. Doing so may cause fire, explosion, or leakage, resulting in personal injury or property damage.
- Do not place your battery near a heat source or expose it to high temperatures. The battery could explode or catch fire.
- Your FlipStart uses a lithium-polymer battery. Do not dispose of the battery in a fire or with your household waste. Contact your local waste disposal agency for the nearest disposal site.

Airplane travel and hospitals

- Certain locations, like hospitals and airports, may restrict the use of RF-emitting devices. Always comply with posted regulations concerning the use of your FlipStart to avoid interfering with aircraft, medical, or other equipment.
- Federal Aviation Administration rules and individual airline regulations may prohibit the use of your FlipStart while on board an aircraft, particularly during take-off and landing. Please follow all instructions provided by airline personnel.
- Do not expose your FlipStart to an airport metal detector or magnetic wand. X-ray security machines will not harm your FlipStart.

Using FlipStart Help Central

In addition to this manual and the printed materials included in the package, you can view electronic versions of FlipStart documentation via FlipStart Help Central on your FlipStart.

FlipStart Help Central serves as a portal to a wealth of information about your FlipStart. You can find information about topics such as:

- Getting help and troubleshooting problems.
- Contacting FlipStart Customer Support.
- Connecting to the Internet.
- Using FlipStart software such as FlipStart Navigator™ and FlipStart Zoom™.
- Using FlipStart InfoPane™.
- Maintaining your FlipStart and using it safely.

➢ *To access FlipStart Help Central*

1. Locate the FlipStart Help Central icon on the Windows desktop.
2. Double-click the Help Central icon.
   The Help Central portal opens.
3. Select the topic that best suits your needs.

Getting help from FlipStart

If you are encountering problems, your first resource is the *Solving problems* section (on page 69) in this manual. If the documentation has not helped you solve these problems, and you still need assistance, check the following resources for further information:

- FlipStart Customer Support Knowledge Base on the Web at www.flipstart.com/support.
- Customer Support phone support: 800-399-3037

Before contacting Customer Support, please have the following information available:

- Model number of your FlipStart.
- Serial number of your FlipStart.

You can find this information on the label located underneath the battery on the bottom of your FlipStart.

For information on how to recycle this device, please visit www.eRecycle.org.

CHAPTER 2

Getting to know your FlipStart

Welcome to FlipStart!

The FlipStart model E-1001S is a super-compact Microsoft® Windows® personal computer with a familiar clamshell design packed with innovative features that make it easy to use — in your hand, on your desk, or mounted in your vehicle.

The productivity of a PC

FlipStart offers the capabilities you expect from your laptop — comfortable application usage, communications, entertainment, and Internet connectivity. Its industry standard components include an Intel® Pentium® M Ultra Low Voltage platform, 1.1 GHz of processing power, and a 30 GB hard drive with the choice of Microsoft Windows XP Professional or Windows Vista™ Business operating systems.

Familiar form factor

If you're a laptop user, you'll find the clamshell design immediately familiar. With its adjustable screen angle, balanced weight, dual-function keyboard, and high-resolution 5.6" display, the FlipStart is comfortable in your hands, on your desk, or mounted in your car. In addition, the QWERTY keyboard, touchpad, and touchstick provide easy navigation, while the 1024 x 600 Wide SVGA display provides comfortable screen viewing.

Easy access

FlipStart InfoPane™ provides a low-power interactive display on the outside of the case giving you instant access to daily details in the Microsoft Office Outlook® messaging system such as e-mail, calendar, and contacts. When open, the FlipStart Navigator™ software provides a fully customizable shortcut menu for one-button access to the applications, files, and systems that you access most often. The nine-level FlipStart Zoom™ enables you to quickly drill down on a screen or window for more detail.

Straightforward connectivity

Wireless wide area network (WWAN) capabilities give you high-speed cellular data access at DSL speeds. FlipStart also provides 802.11 b/g functionality, so you can access office, home, and public Wi-Fi networks. Built-in Bluetooth® wireless technology delivers connectivity to wireless peripherals such as keyboards, mice, headsets, and others. Moreover, your FlipStart includes a slim, removable port replicator to provide VGA output for projectors and large monitors, wired Ethernet, additional USB ports, and audio output.

The topics in the remainder of this chapter provide a quick visual tour of your FlipStart. The remaining chapters in this manual help you get up and running using FlipStart software and hardware.

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What's in the box?

Your FlipStart package contains the following items:

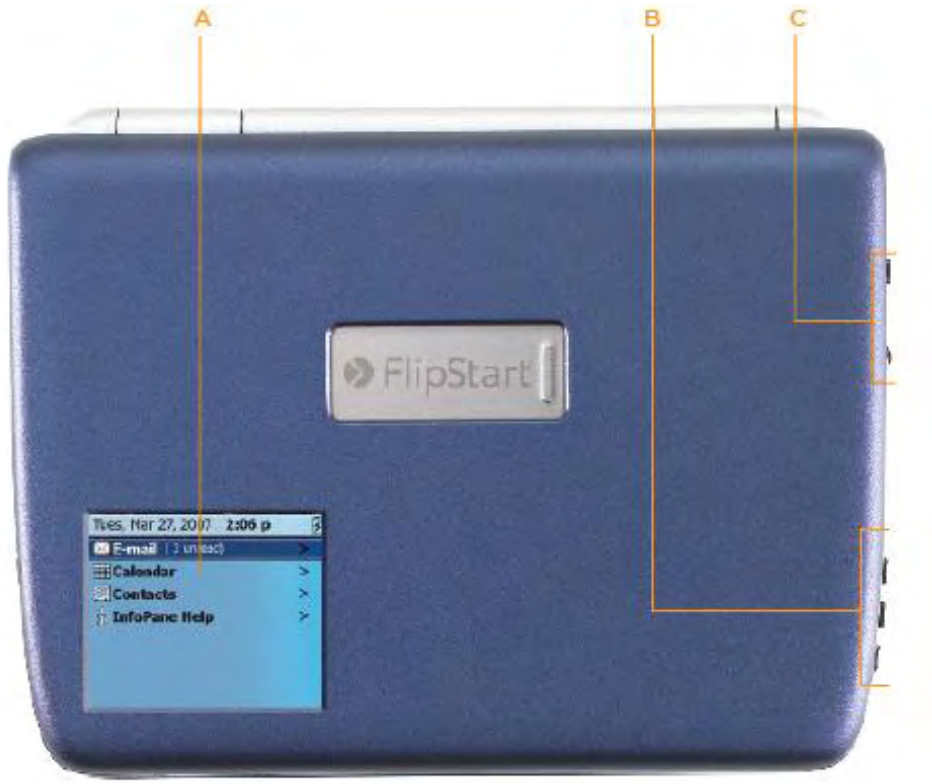
- FlipStart PC
- FlipStart standard, high-capacity lithium-polymer battery
- AC adapter
- Port replicator
- *Getting Started* guide
- Stereo ear bud/microphone combination with volume control
- Soft carrying case
- Screen polishing cloth
- Recovery software DVD (requires external DVD drive)
- Microsoft Windows Vista *Start Guide* or Microsoft Windows XP *Start Here* guide
- Warranty card

Front view with display open

FlipStart feature	Description
A. Main screen	When Windows is running on your FlipStart, the Windows desktop appears on the display.
B. Power button	The power button has the following functions: ▪ Controls power to turn your FlipStart on and off. ▪ Puts Windows to sleep when Windows is running. ▪ Shuts Windows down by pressing and holding more than 5 seconds.
C. Directional pad (D-pad)	The D-pad duplicates the functions of the arrow keys on a full-sized keyboard.
D. Mouse buttons	The FlipStart keyboard contains special keys for left mouse click and right mouse click. Pressing either mouse click button functions like a left-click or right-click on a mouse.
E. Webcam	The webcam is located in the bottom center of the display panel. When the FlipStart is open, the webcam is pointed towards the user. The webcam can be used for video recording or conferencing.

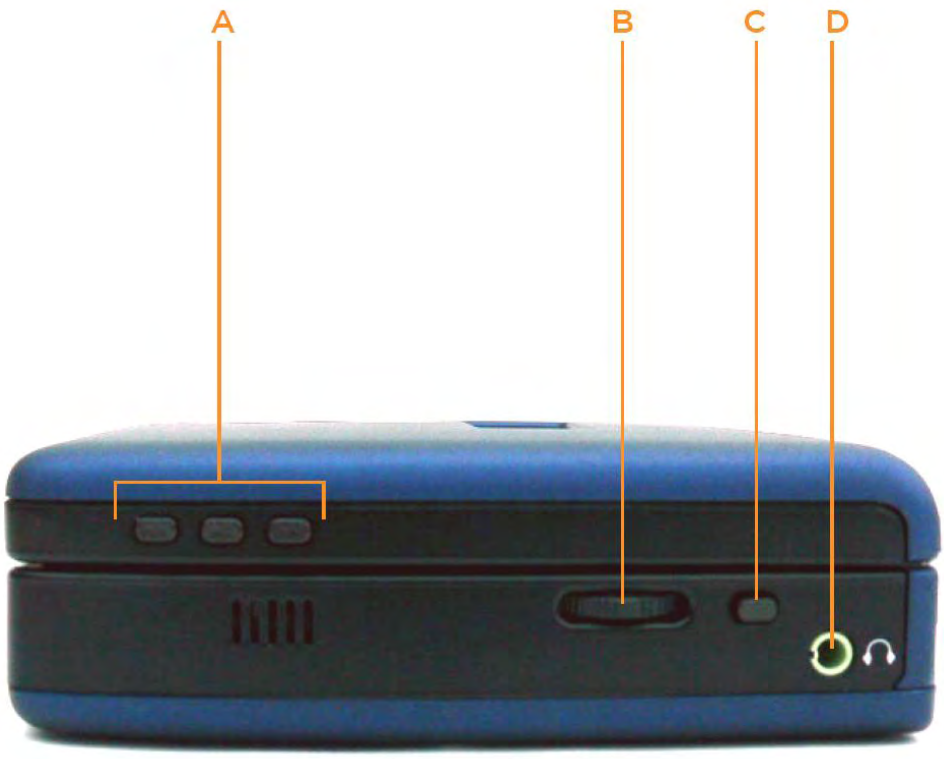
FlipStart feature	Description
F. Touchpad	The touchpad enables you to control the mouse pointer on the screen with the tip of your finger. Put the tip of your finger on the touchpad and lightly move it in the direction you want to move the mouse. Click or double-click by tapping on the touchpad.
G. Touchstick	The touchstick controls the mouse on the screen. Using the tip of your finger or thumb, gently move the rubber touchstick in the direction you want the mouse to move.
H. Status LEDs	The Status LEDs provide information at a glance about the status of the FlipStart, such as whether the power is on, whether the battery is charging or discharging, whether the hard drive is being accessed, and whether any of the wireless devices are on.

Top view with display closed



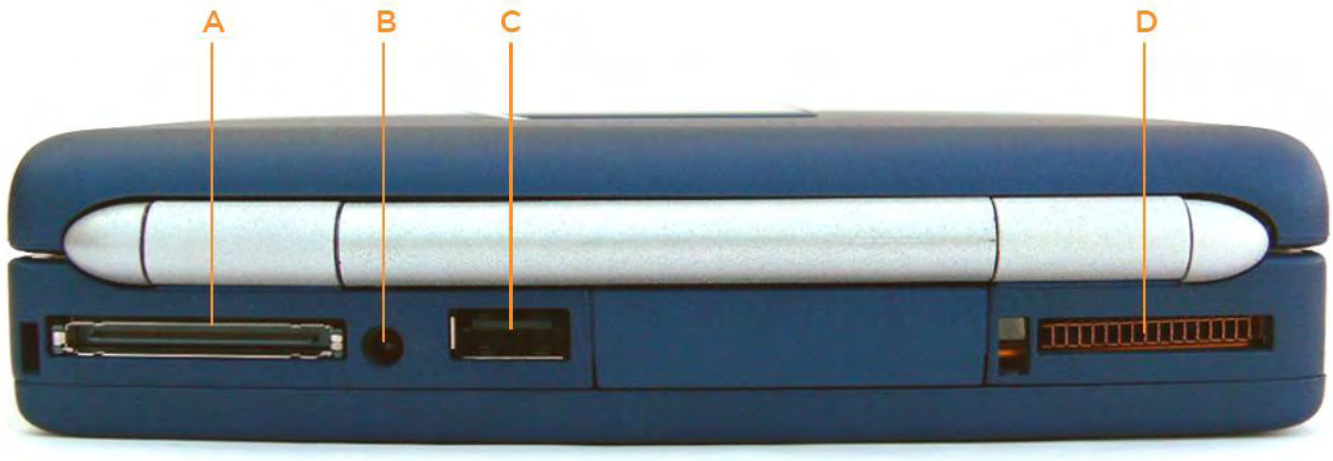
FlipStart feature	Description
A. InfoPane screen	The InfoPane screen provides at-a-glance, view-only access to Microsoft Office Outlook information. InfoPane can be manually configured to sync this informatio at specified intervals, enabling you to see up-to-date information while conserving battery power.
B. Audio control buttons	Three audio control buttons (Start/Pause/Stop, Forward, Back) along the edge of the display panel are used to control music playback in Windows.
C. Jog Dial and Escape button	The Jog Dial has multiple functions, depending on what you are doing with your FlipStart. In general, moving the Jog Dial up and down scrolls or moves a highlight up or down. Pressing the Jog Dial in makes a selection. The Jog Dial can also function as the equivalent of a mouse's scroll wheel in certain situations. The Escape button is used in conjunction with the Jog Dial to navigate menus in FlipStart InfoPane and FlipStart Navigator. Pressing the Escape button in most situations within these applications takes you back one screen or up one level in a menu.

Right side view



FlipStart feature	Description
A. Audio control buttons	Three audio control buttons (Start/Pause/Stop, Forward, Back) along the edge of the display panel are used to control music playback in Windows.
B. Jog Dial	The Jog Dial has multiple functions, depending on what you are doing with your FlipStart. In general, moving the Jog Dial up and down scrolls or moves a selection up or down. Pressing the Jog Dial in is the equivalent of pressing the **Enter** key on the keyboard. The Jog Dial can also function as the equivalent of a mouse's scroll wheel in certain situations.
C. Escape button	The Escape button is used in conjunction with the Jog Dial to navigate menus in InfoPane and Navigator. Pressing Escape in most situations will take you back one screen, or up one level in a menu.
D. Multi-function audio-input/output jack	Connect audio devices to this jack. This jack can provide audio input, audio output, or both simultaneously with certain audio devices. For example, the ear buds included with the FlipStart can serve as both headphones and a microphone simultaneously when plugged into this jack.

Back view



FlipStart feature	Description
A. Port replicator connector	Connect the included port replicator to add additional connectivity to the FlipStart. The port replicator includes 2 USB 2.0 ports, a 10/100Base-T Ethernet port, an AC power adapter port, and an audio input/output multi-function jack.
B. AC power adapter port	Connect the included AC power cord here and to a live wall socket to provide power to the FlipStart. The battery automatically recharges whenever the AC power cord is plugged into this port and into a live wall socket.
C. USB 2.0 port	Connect additional devices to your FlipStart, including flash memory drives, external hard drives, external optical drives, additional input devices (such as an external keyboard or mouse), digital cameras, digital music players, or any other USB device.
D. Air ventilator	Assists in cooling your FlipStart by circulating air through the FlipStart.

CHAPTER 3

Setting up

This chapter provides all the information you need to get up and running with your new FlipStart.

Important: Please read all of the setup and installation instructions carefully before plugging in and using your FlipStart.

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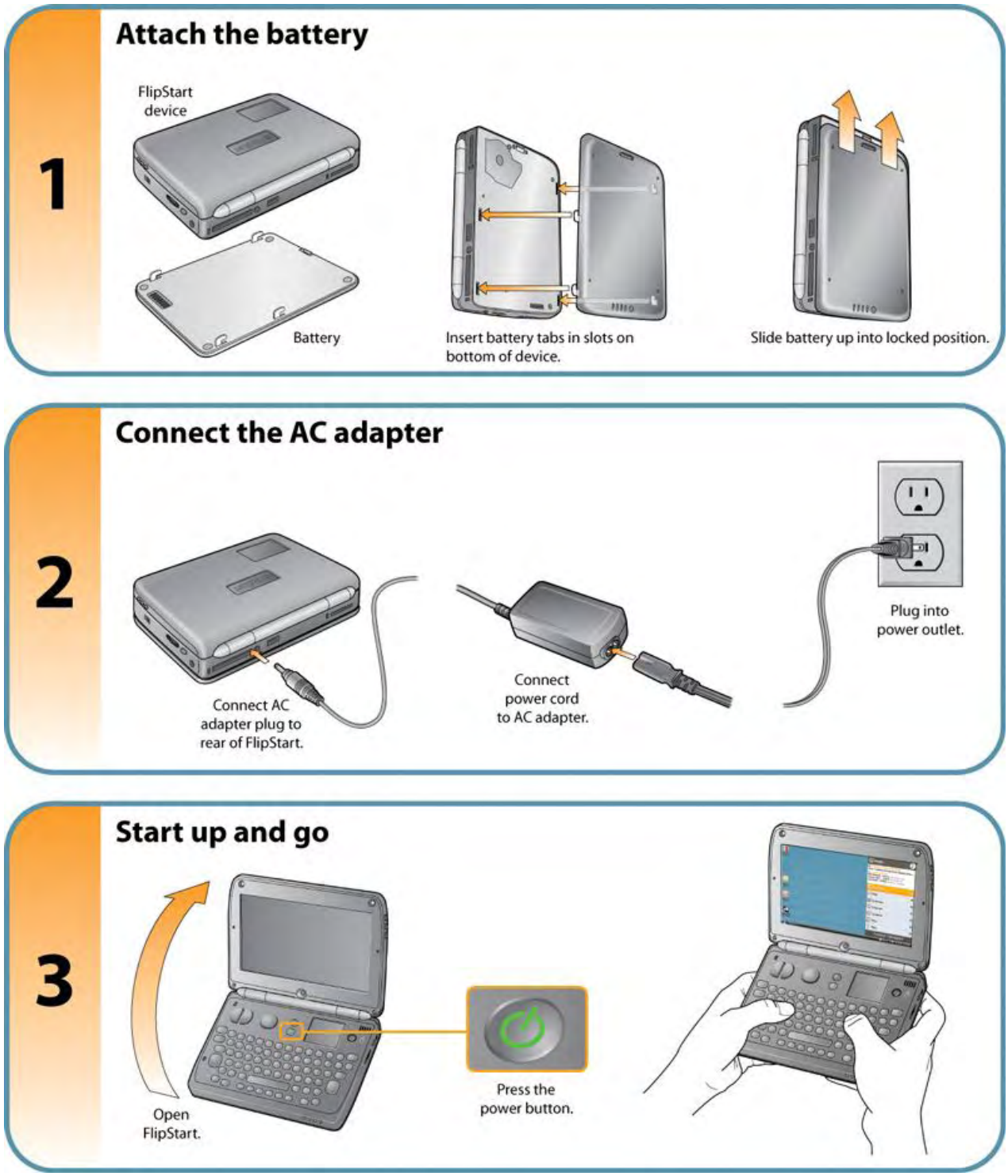
How to hold the FlipStart 19
Using input devices....20
Getting connected to the Internet 26
How to install software 33
Expanding your FlipStart....35

Quick Start

To get up and running quickly, follow the steps in the illustration below:



Turning the FlipStart on for the first time

Important: Before attaching the battery, be sure to make a note of the Microsoft Windows Product Activation Key on the bottom of your FlipStart. You will need this information during Windows activation.

1 Attach the battery to the bottom of the FlipStart as indicated in the illustration below.

a) Place the clips on the battery into the slots on the bottom of the FlipStart as shown.

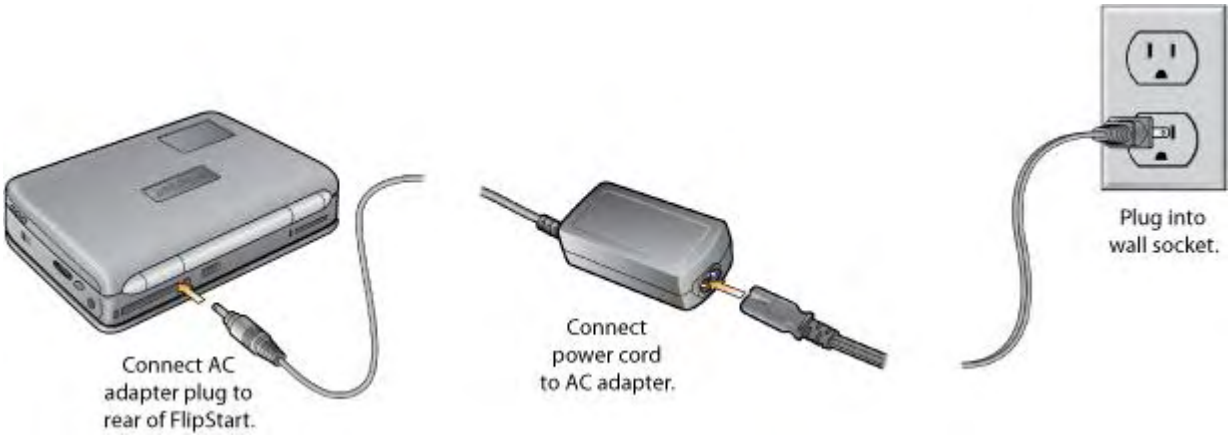
b) Slide the battery up gently until it clicks into place.

Warning! Do not attempt to use your FlipStart without the battery attached, even if the FlipStart is plugged into the AC adapter.

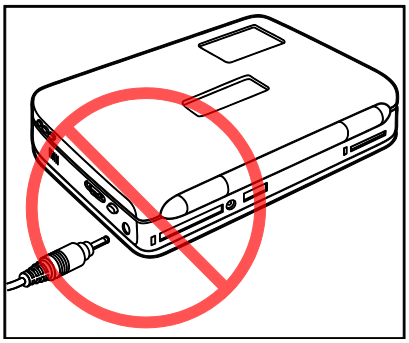
Note: To remove the battery, press the battery release button on the bottom end of the battery. Then, gently slide the battery down and away from the main unit.

2 Connect the AC adapter power cord to the AC adapter.

3 Connect the AC adapter to the DC power port on the *rear* of the FlipStart.



Caution! Do not insert the AC power cord into the headphone jack on the right side of the FlipStart.



Wrong way to insert AC adapter power jack!

4 Connect the AC adapter power cord to an AC outlet.

5 Open the display to a comfortable viewing angle by raising the top lid of the FlipStart.

6 Press the power button once and release it to turn on the power.
You will see a startup screen before Microsoft Windows loads.

Note: Do not continue to press down the power button, or the FlipStart will turn off.

During initial startup, Windows will step you through Windows Product Activation. Use the Product Activation Key located on the bottom of your FlipStart. (As noted above, you should have written down this key before attaching the battery. If the key is not available, power down the FlipStart, unplug the power adapter cord, remove the battery, write down the key from the Certificate of Authenticity sticker on the bottom, reattach the battery, reattach the power adapter cord, and restart the computer.)

You also may be asked some questions about how you want to set up your network, and how you would like to configure Windows. If you know the answers, you can enter this information now. If not, this information can be entered at a later time. For more information on setting up your network, see *Getting connected to the Internet* (on page 26).

Once you have finished the initial startup process, the Windows desktop will appear.

If you have questions or would like more information about the Windows setup process or about Microsoft Windows product activation, please refer to the Windows manual included in your FlipStart box.

Charging the battery before using unplugged

The battery that ships in the FlipStart box is not fully charged. Before using the FlipStart on battery power alone (that is, unplugged from AC power), allow the battery to charge fully; a full charge is indicated when the amber “charging” LED battery light on the front right of the FlipStart turns green.

See *Using power management* (on page 42) for information on how to maximize the FlipStart's battery life.

How to hold the FlipStart

The FlipStart can be placed on a flat surface and used much as you might use a laptop computer. However, the FlipStart is also designed to be held in both hands, using your thumbs to press keys on the keyboard, like this:

Feel free to experiment with different hand positions and display angles until you find one that is both efficient and comfortable.

Note: If the port replicator is not attached, the screen can fold all the way back 180°.

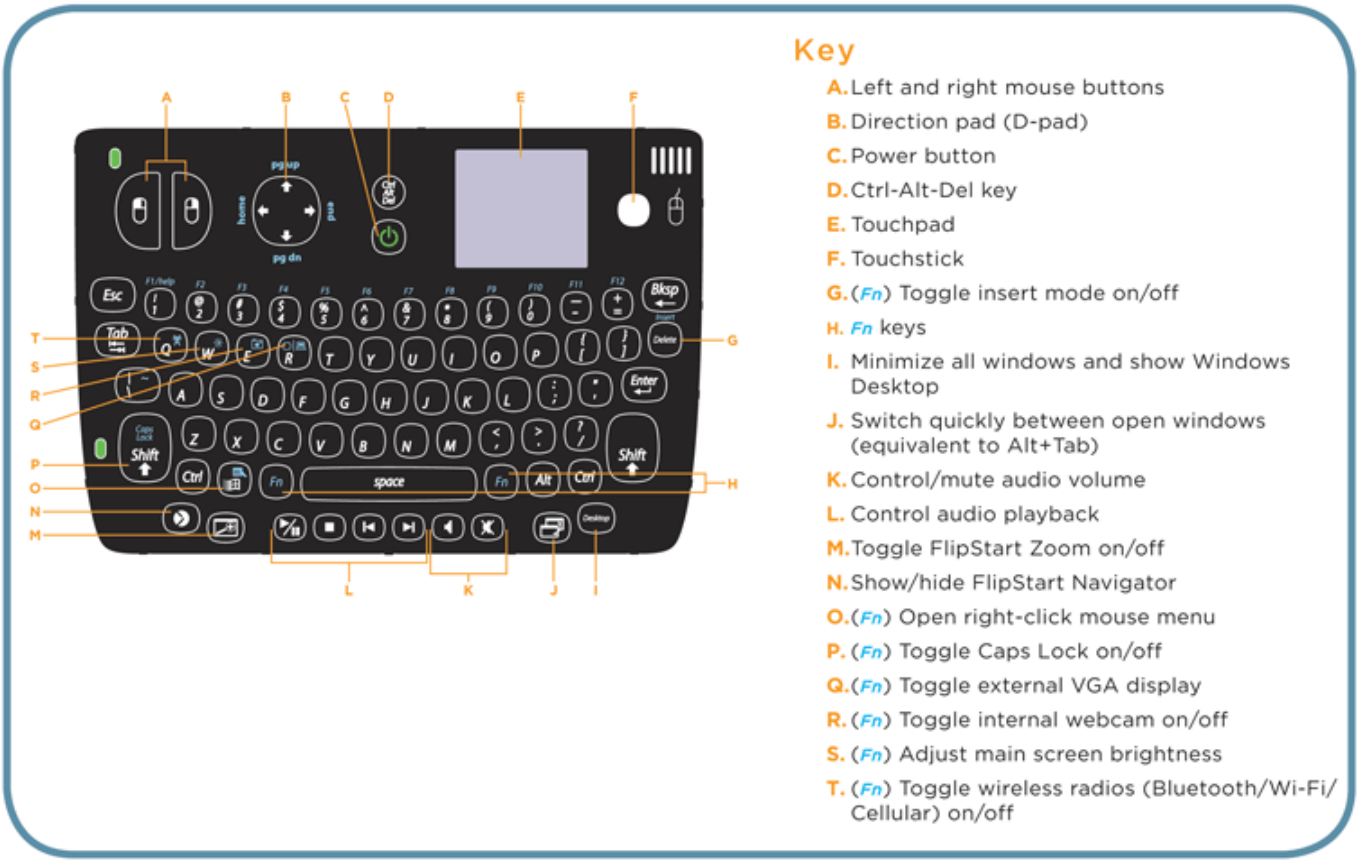
Using input devices

The FlipStart provides multiple methods for working with your FlipStart, including an integrated full QWERTY keyboard, a touchpad, a touchstick, left and right mouse button keys, and a Jog Dial with an Escape button. All of these devices can be used, either singly or in combination with others, to enter text, control the mouse, navigate the screen, and use the FlipStart.

Using the keyboard

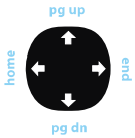
The FlipStart keyboard provides not only a full QWERTY layout but also provides a number of special keys and input devices to help make using your FlipStart as easy as possible.

The illustration below calls out special keys and input devices on the FlipStart.



Special keys and input devices on the keyboard

In addition to the standard QWERTY keys the FlipStart keyboard includes a number of special keys and input devices as described in the following table.

Use...		To...
Power button		▪ Turn the FlipStart on when it is turned off. ▪ Put Windows to sleep when Windows is running (configurable in Windows). ▪ Force system to power off by pressing and holding more than 5 seconds.
Navigator key		Show/hide the FlipStart Navigator application. (See "Using FlipStart Navigator" on page 49 for more information.)
Zoom key		Turn the FlipStart Zoom function on/off. (See "Using FlipStart Zoom" on page 51 for more information.)
CTRL-ALT-DEL key		Equivalent to pressing **CTRL+ALT+DEL** keys on a full-sized keyboard.
Fast window switching key		Switch quickly between open windows. (Equivalent to pressing **ALT+Tab**.)
Desktop key		Minimize all windows and show the Windows desktop.
Audio volume controls		Adjust volume (press key and then adjust using Jog Dial) and mute audio volume.
Audio player controls		Control music playback in Windows-compatible media players (play/pause, stop, previous track, next track).
Left and right mouse buttons		Left-click or right-click a mouse button.
Direction pad (D-pad)		Duplicate the functions of the arrow keys on a full-sized keyboard.
Touchpad	Located on upper right of keyboard	▪ Move the mouse pointer around the screen. ▪ Left-click a mouse button (by tapping on the touchpad).
Touchstick	Located on upper right of keyboard, to the right of the touchpad	Move the mouse pointer around the screen.

Fn key combinations

In addition to the special keys on the keyboard, pressing down the Fn key in combination with other keys provides quick access to particular functions of your FlipStart. There are two Fn keys located on the FlipStart keyboard, one on either side of the spacebar.

Press ...	To...
Fn + Q	Turn all currently switched on wireless radios (Bluetooth, Wi-Fi, cellular) off, or turn back on. (Turns "Airplane mode" on/off.)
Fn + W	Change the brightness of the main screen (press keys and then adjust brightness with Jog Dial).
Fn + E	Turn the webcam on or off.
Fn + R	Switch to an external VGA display (when an external monitor is connected to the VGA connection on the FlipStart port replicator).
Fn +	Open mouse right-click Shortcut menu.
Fn + ~ \	Type a tilde character.
Fn + Caps Lock Shift	Turn caps lock on or off.
Fn + Insert Delete	Turn Insert mode on or off.

Using the mouse controls

The FlipStart provides several keyboard-based methods for controlling the mouse pointer on the screen, combining use of the following input devices to perform tasks normally done with a mouse on a desktop computer.

Note: You can also add an external USB or Bluetooth mouse. See *Expanding your FlipStart* (on page 35).

Mouse buttons

The FlipStart keyboard contains special keys for left mouse button and right mouse button. Pressing the left or right mouse button will function like a left-click or right-click on a mouse.

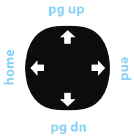
Mouse touchpad

The touchpad enables you to control the mouse pointer on the screen with the tip of your finger. Put the tip of your finger on the touchpad and lightly move it in the direction you want to move the mouse pointer on the screen. Click or double-click by tapping or double-tapping on the touchpad.

Mouse touchstick

The small touchstick controls the mouse on the screen. Using the tip of your finger or thumb, gently move the rubber touchstick in the direction you want the mouse pointer to move.

Direction pad (D-pad)



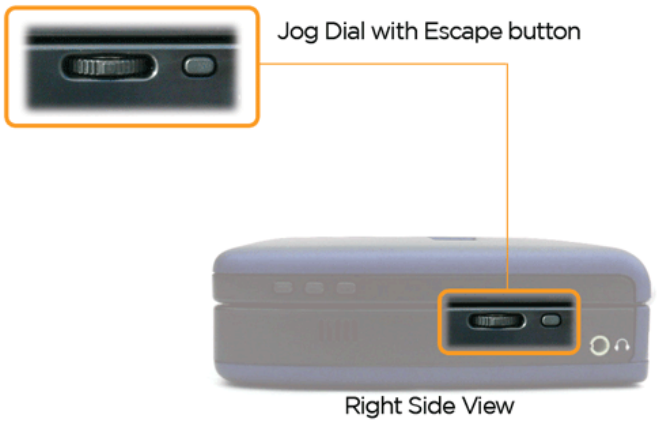
The D-pad duplicates the functions of the up and down arrow keys on a full-sized keyboard. Use the D-pad to move the cursor or selection horizontally or vertically on the screen, or, in combination with pressing an Fn-key, to page up or page down.

Zoom key

The FlipStart keyboard contains a special Zoom key for zooming the currently active screen item. Zoom enables you to change the magnification of items on the screen by pressing and holding down the Zoom key, and then using the Jog Dial to zoom in or out. For more information, see *Using FlipStart Zoom* (on page 51).

Using the Jog Dial

Located on the right-hand side of the FlipStart is the Jog Dial, next to the Escape button.



Moving the Jog Dial up or down has a different function, depending on what you are doing. The following table outlines what the Jog Dial does in different contexts:

When you are...	Use the Jog Dial to...
Using FlipStart InfoPane or FlipStart Navigator	Scroll the selection bar up or down. Press the Jog Dial in to make a selection. (The Escape button usually cancels an action or moves one level back in the navigation system.)
Viewing a Web page in a Web browser	Scroll the page up and down, as with a mouse scroll wheel.
Adjusting audio volume or display brightness	Increase or decrease audio volume/display brightness.
Using FlipStart Zoom	Increase and decrease screen magnification while simultaneously holding down the Zoom key.

Getting connected to the Internet

Your FlipStart can connect to home networks, office networks, and the Internet. The FlipStart supports several types of networking technologies for these connections. You can connect using:

- Wi-Fi (802.11b/g) wireless networks.
- Wired Ethernet connections on a home or office network.
- High-speed cellular broadband wide-area networks (WWANs) via a supported wireless data carrier's data network.
- A Bluetooth wireless technology connection to a cellular phone and a wireless carrier's data network.

This section describes how to configure your FlipStart to connect to the different types of wireless and wired networks.

Connecting for the first time

When you first turn on a new FlipStart, Windows can help finalize the networking options you want to use. If you are familiar with your network connections and have the required information—password (for password-enabled networks), network names and addresses, and so on—you can set up your network at that time.

To set up a network connection after Windows has been started for the first time, see one of the following topics.

Configuring Wi-Fi (802.11b/g) wireless networking

Your FlipStart can connect to 802.11b and 802.11g Wi-Fi networks in the home, in public locations, and in the office. Wireless networks can be set up in several different ways, depending upon who is accessing the system and what level of security is required. Many wireless networks require some type of access key or password to log on to the wireless connection and use it to connect to the Internet. You can manage your Wi-Fi networking connections using Windows.

About Wi-Fi security

Wi-Fi networks are either open (accessible by anyone) or encrypted (accessible only by those with access codes). Wi-Fi encryption types include WEP, WPA, and EAP.

If you are trying to access an encrypted network, you will need to configure your Wi-Fi connection manually. To configure Wi-Fi security settings, you need to know in advance what type of security is enabled on the access point and any necessary authentication information, such as passwords or encryption keys. This information is usually available from your network administrator, or you can get this information from the configuration of your home network.

Note: Using Wi-Fi security encryption is strongly recommended to protect personal information on your FlipStart.

Configuring Wi-Fi access

Regardless of the Windows version you are running on your FlipStart, the majority of Wi-Fi configuration tasks will be performed using Windows Control Panel. Your FlipStart also provides quick access to some common Wi-Fi configuration tasks.

Activating the Wi-Fi radio

Your first step in configuring Wi-Fi wireless networking is to turn on the Wi-Fi radio on your FlipStart.

➢ *To turn the Wi-Fi radio on or off:*

1. Double-click the Control Center™ icon in the system tray to open FlipStart Control Center.
2. Select **Turn Network Devices On/Off**, and select **Wi-Fi On** in the **Wi-Fi/Cellular Devices** section.
3. Click **Apply** and then click **OK**.

Note: The Wi-Fi radio and the cellular broadband modem cannot both be switched on simultaneously.

Once you have selected the wireless radios that you want to enable, you can turn them on and off using Fn + Q. Press this same key combination if you see the message **Airplane Mode is in effect** in Control Center.

Configuring Wi-Fi access using Windows

Windows can be configured to manage your wireless connections and experience automatically. The following instructions will help you get started configuring Wi-Fi networking on your FlipStart. See Help for your version of Windows for detailed instructions.

➢ *To configure Wi-Fi access using Windows:*

- For Windows XP users, go to **Start | Control Panel | Network and Internet Connections**, and then follow the instructions on the **Connections** tab.
- For Windows Vista users, go to **Start | Control Panel | Network and Sharing Center** and choose the task that you want to perform from the list.

In Windows, you can press F1 to access Help for the specific task you are trying to perform.

Note: You also have quick access to configuring networking by double-clicking the network icon in the system tray of your FlipStart.

Accessing Windows network management tools using Control Center

FlipStart Control Center provides you with shortcut access to Windows networking information and management tools.

➢ *To manage Windows network connections in Control Center:*

1. Double-click the **Control Center** icon in the system tray.
2. Click **Connectivity**.
3. Click **Open Windows Network Connections** in the Windows and other software section. Right-click on the network connection that you want to manage and select an action.
4. Close the window to return to Control Center.

Configuring cellular wireless broadband networking

The FlipStart can use its built-in, cellular broadband modem to connect to the Internet via a supported wireless carrier's data network.

Important: To connect to a network for Internet access using the built-in, cellular broadband device, you must first have purchased and activated a cellular data plan from a supported FlipStart cellular carrier. For more information about activating a data plan for supported data carriers, see the activation information included in the FlipStart package or on the FlipStart Web site at http://www.flipstart.com.

➢ *To connect to a network using cellular wireless:*

1. Enable the cellular broadband radio on your FlipStart.
   1. Double-click the **Control Center** icon in the system tray.
   2. Click **Turn Network Devices On/Off**.
   3. Click **Cellular Network On** in the **Wi-Fi/Cellular Devices** section.

   Note: Press Fn + Q to turn on the wireless radios if you see the message **Airplane Mode is in effect** in Control Center

   4. Click **OK**.

   Note: The Wi-Fi radio and cellular broadband modem cannot both be switched on simultaneously.
2. Use the wireless carrier's mobile broadband connection manager software to connect to the wireless data network.
   For more information about a carrier's connection manager software, see the online Help for that software or contact your wireless carrier for further help.

Configuring wired Ethernet networking

The FlipStart can connect to home and office networks using a wired Ethernet cable. To do this, you must first have a standard Ethernet cable to use for making the connection.

Note: These instructions explain configuration of the most common type of Ethernet networks. To connect to more advanced or specially configured Ethernet networks, please contact your network administrator for instructions.

➢ *To connect the FlipStart to the network*

1. If you have not already done so, connect the FlipStart port replicator to the rear of the FlipStart. For more information, see *Attaching the port replicator* (on page 36).
2. Turn on the FlipStart and start Windows.
3. Firmly connect one end of the Ethernet cable to the network jack you intend to use with your FlipStart. This may be a connection to a router already configured on your network, or an Ethernet port in the wall of your home or office.
4. Locate the Ethernet port on the rear of the FlipStart port replicator.
5. Firmly connect the Ethernet cable to the Ethernet port on the FlipStart port replicator. The connector should click into place when properly inserted.

Configuring the Ethernet connection

In most situations, there will not be any configuration needed to join a network that has already been set up. When you connect the Ethernet cable, Windows will recognize the new network and negotiate a TCP/IP address to use when communicating with the network and the Internet.

If your network is not automatically recognized, you may need to run the Windows **Network Setup Wizard**. The following instructions will help you get started configuring the Ethernet connection for your FlipStart. See Help for your version of Windows for detailed instructions.

➢ *To set up a network connection:*

- For Windows XP users, go to **Start | Control Panel | Network Setup Wizard**, and then follow the instructions on the **Connections** tab.
- For Windows Vista users, go to **Start | Control Panel | Network and Sharing Center** and choose the task that you want to perform from the list.

Note: You also have quick access to configuring networking by double-clicking the network icon in the system tray of your FlipStart.

Configuring a network connection using Bluetooth wireless technology

The FlipStart contains a Bluetooth radio that you can use to connect to networks and hands-free devices. For example, you can use the Bluetooth wireless radio on your FlipStart to pair with your mobile phone and then use the phone as a modem to connect to the Internet.

There are many different Bluetooth wireless mobile devices that use unique methods to configure and connect to their networks. These instructions will help guide you through configuring a Bluetooth connection from your FlipStart, but some information will be needed from the Bluetooth mobile device's user manual or help files. Make sure that you have this documentation available during setup.

Connecting to a network using Bluetooth wireless technology

Before you can use Bluetooth wireless technology, you must enable Bluetooth on your FlipStart by activating the Bluetooth radio. Then, to connect to a network for Internet access using a phone with Bluetooth wireless, you must 'pair' your phone with your FlipStart:

➢ *To enable Bluetooth wireless technology on your FlipStart:*

1. Double-click the Control Center icon in the system tray.
2. In Control Center, click **Turn Network Devices On/Off**.
3. Click **On** in the **Bluetooth** section, and then click **OK**.

➢ *To pair your FlipStart with your phone:*

1. Double-click the Bluetooth icon in the Windows system tray
2. Click **New Connection**.
3. Follow the instructions in the window that appears. For more information, see the help documentation for the Bluetooth utility.

After pairing, the procedure for connecting to a network differs depending on the make and model of your phone and on your cellular data carrier. Refer to the user manual of your cellular phone or contact your carrier's customer support for more information about the network setup process.

Once you have paired your mobile phone with your FlipStart, you can then use your phone's built-in modem to connect your FlipStart to a network by using Windows dial-up networking.

Note: Before you begin, you must obtain the dialing instructions and phone number for data access from your wireless carrier.

➢ *To connect to a network using Bluetooth wireless technology:*

1. Click **Start | Control Panel | Network and Sharing Center**, and then click **Network Connections**.
2. Click **Create a new connection** under **Network Tasks** on the left side of the window.

   The **New Connection Wizard** appears.
3. Click **Connect to the Internet**, and then click **Next**.
4. Click **Set up my connection manually**, and then click **Next**.
5. Click **Connect using a dial-up modem**, and then click **Next**.
6. Type a name for your connection (for example "Bluetooth phone") and then click **Next**.
7. Type the data access phone number provided by your wireless carrier, and then click **Next**.

8 Indicate whether you want to make this connection available just for yourself or make it available to all users of the FlipStart, and then click **Next**.

9 If necessary, enter a user name, password, and domain for your wireless carrier, and then click **Next**. Consult your mobile phone documentation for more information.

10 Indicate whether you want to add a shortcut to your connection to your Windows Desktop, and click **Finish**.

Making a connection

Once you have configured your Bluetooth network connection, you can use the dial-up connection from your FlipStart by following these steps.

➢ *To make a connection:*

1 Ensure that your Bluetooth phone is turned on and paired with your FlipStart.

2 If you created a desktop shortcut for your connection, double-click it, and click **Dial**.

3 If you did not create a desktop shortcut, click **Start**, click **Control Panel**, click **Network and Internet Connections**, click **Network Connections**, double-click the dial-up networking connection you created, and click **Dial**.

For more information on setting up and configuring Bluetooth devices, see *Using Bluetooth devices* (on page 63).

For more information on troubleshooting Bluetooth connection problems, see *Solving problems with Bluetooth* (on page 73).

Configuring Ethernet/wireless network switching using Control Center

If you frequently switch between the different network connections available on the FlipStart, you can customize certain options to enable and disable network devices automatically. For example, you can use Control Center to choose whether or not wireless devices are automatically switched off whenever you connect using wired Ethernet.

➢ *To automate your settings when connecting to an Ethernet network:*

1 Double-click the Control Center icon in the Windows system tray.

2 From the **Control Center** screen, select **Connectivity**.

3 Click **Ethernet/Wireless settings**.

4 Click the **Connecting to Ethernet** tab.

5 Under **When Ethernet is plugged in:,** select your desired network behavior:

- Select **Turn off Wi-Fi or Cellular automatically** to automatically disable wireless networks when using an Ethernet network.
- Select **Prompt me to turn off Wi-Fi or Cellular** to prompt for changes.

- Select **Do nothing** to leave your wireless networks on when connecting to an Ethernet network. Note that leaving the wireless radios on will drain your battery faster.

6 Click **Apply** to save your changes, and **OK** to close the window.

➢ *To automate your settings when disconnecting from an Ethernet network:*

1 Double-click the Control Center icon in the Windows system tray.

2 From the **Control Center** screen, select **Connectivity**.

3 Click **Ethernet/Wireless switching**.

4 Click the **Disconnecting from Ethernet** tab.

5 Under **When Ethernet connection is unplugged:,** select your desired network behavior:

- Select **Turn on Wi-Fi or Cellular automatically** to automatically enable wireless networks when disconnecting from an Ethernet network.
- Select **Prompt me to choose a wireless device** to prompt for the network you want to use.
- Select **Do nothing** to leave your wireless networks in their current state when disconnecting from an Ethernet network. Note that leaving the wireless radios on will drain your battery faster.

6 Click **Apply** to save your changes, and **OK** to close the window.

How to install software

Although system requirements for specific programs may vary, almost any software that is compatible with your Microsoft Windows XP or Microsoft Windows Vista operating system should run successfully on the FlipStart.

There are several ways to install programs onto your FlipStart, depending on the program to be installed.

Installing from a local network

When you have successfully connected to your home or office network, you can access other computers on your network to install programs. There are two ways to do this:

- Share a CD-ROM, DVD-ROM, or hard disk drive on a computer, and then access it with your FlipStart from the network. Run the installation program from the shared drive, and choose the installation location on your FlipStart's C: drive.
- Copy the installation files from another computer to your FlipStart over the network. Then, run the installation from your FlipStart.

Installing downloaded files from the Internet

When you have successfully connected to the Internet, you can download software installation files from Internet sites. Once an installation file is on your FlipStart, you can run the installation program from your FlipStart.

Installing from a removable storage device

Removable storage devices range from CD or DVD drives to an external hard drive to USB flash drives. If you have one of these storage devices, you can install programs on your FlipStart simply by plugging the drive into the FlipStart's USB port.

Installing programs directly from another computer

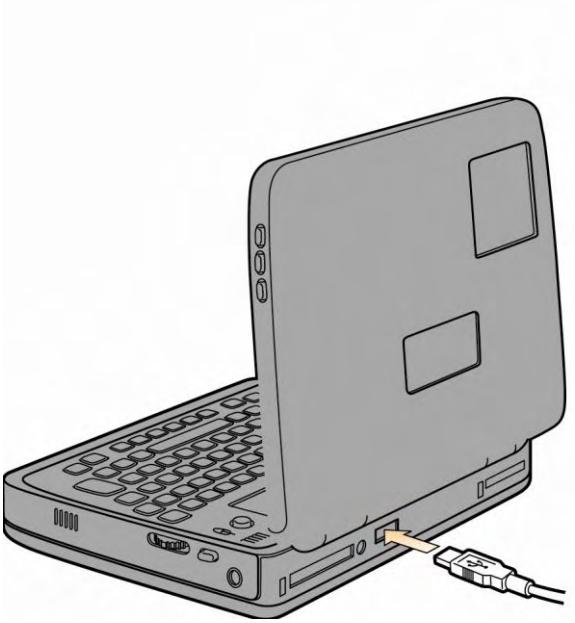
If you have an Ethernet crossover cable, you can connect your FlipStart to another Windows-based computer directly to form a network. An Ethernet crossover cable is a special type of network cable specifically used to connect two computers to each other.

To connect your computers, plug one end of your crossover cable into the Ethernet port of your desktop or laptop computer. Plug the other end of the Ethernet cable into your FlipStart's Ethernet port, located on the back of the port replicator. (For more information about using the port replicator, see *Expanding your FlipStart* (on page 35). Windows will recognize the new network and show a 'connected' icon in the lower part of your screen in the system tray.

Once your computers are connected, you can install software from the network as described above in *Installing from a local network*.

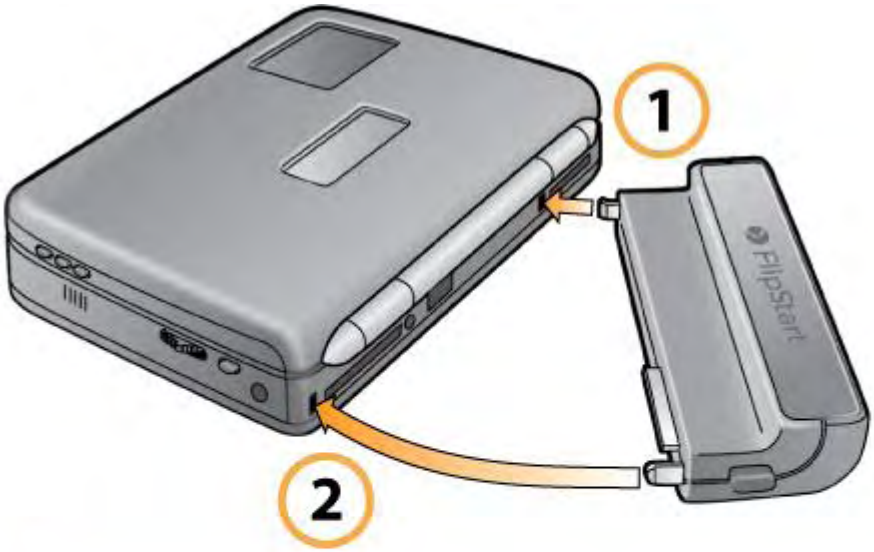
Expanding your FlipStart

It's easy to expand your FlipStart to accommodate your working environment. When traveling, a FlipStart functions on its own without any additional accessories—though you can use the USB 2.0 port and/or Bluetooth connectivity to connect external devices such as an optical disk drive, a keyboard, or a mouse.



Attaching the port replicator

Snap the included port replicator onto the rear of the FlipStart as shown in the illustration. Then, connect other hardware to the FlipStart to make your computing experience easier and more efficient. For more information about the port replicator, see *Using the port replicator* (on page 60).



CAUTION! Do not insert the metal tab first. Always attach the two ends of the port replicator in the order shown above, or you might damage the FlipStart or the port replicator.

Connecting an external USB mouse or USB keyboard

You can easily add a USB keyboard or mouse to your FlipStart. Simply plug the USB connector into a USB port on the back of the FlipStart or the port replicator, and the device will be recognized and ready for use.

Connecting an external VGA monitor

To use an external VGA monitor with your FlipStart, connect the port replicator to the rear of your FlipStart, and then connect the monitor's VGA cable to the port replicator. To switch the display to the external monitor, press Fn + R.

Connecting Bluetooth devices to the FlipStart

Nearly any Bluetooth-compatible device can be connected to your FlipStart. To add a device, first consult that device's instructions for any special needs or limitations. Then, use the Bluetooth Settings wizard to add the device.

➢ *To connect Bluetooth devices to the FlipStart*

1. If the Bluetooth radio is turned off on your FlipStart, enable it by opening **Control Center** and choosing **Turn Network Devices On/Off.** Set Bluetooth to **On** in the **Connectivity Status** area.
2. Double-click the Bluetooth icon in the Windows system tray and follow the instructions in the window that appears. For more information, see the help documentation for the Bluetooth utility.

Note: You may need to refer to the instruction manual for your Bluetooth device for more information during the process.

For more information on setting up and configuring Bluetooth devices, see *Using Bluetooth devices* (on page 63).

For more information on troubleshooting Bluetooth connection problems, see *Solving problems with Bluetooth* (on page 73).

CHAPTER 4

Using your FlipStart

Once you have set up your FlipStart, you can begin using the FlipStart just like a regular desktop or laptop computer. The following sections provide more information on using and customizing the special features of your FlipStart, as well as information on FlipStart's custom software applications: FlipStart Navigator, FlipStart Control Center, FlipStart InfoPane, and FlipStart Zoom.

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Customizing your desktop preferences and settings

As a mobile, ultra-compact device, the FlipStart has a smaller screen than larger computers. You can customize your preferences to optimize your desktop look and feel for the small screen and for mobile usage.

Because your FlipStart runs a full version of Microsoft Windows, you can customize your desktop using the full range of options available from the Windows Control Panel. The following is a partial list of preferences that you can set to help you use your FlipStart.

For detailed information on customizing your desktop preferences, see Windows Help.

Windows Personalization

You can change the Windows settings on your FlipStart to best suit your working style and computing environment. Windows offers a range of personalization options. Several options are listed here, with instructions to get you started with Windows personalization. Press F1 at any time to access Help for the specific Windows task you are trying to perform.

Modifying your fonts

You can adjust the size of default fonts in Windows to be larger or a different font style. Fonts are normally part of the display settings on your system.

➢ *To modify your fonts:*

- In Windows XP, click **Start | Control Panel | Display** and click the **Appearance** tab.
- In Windows Vista, click **Start | Control Panel | Personalization**, and then choose **Adjust font size (DPI)**. You can adjust your font settings on the **DPI Scaling** tab.

Display options and themes

In addition to customizing your font size, you can configure the style and color schemes of your desktop to help make the screen easier to read. Themes can be configured and then saved to your FlipStart, so that you can switch between multiple themes.

➢ *To modify your theme settings:*

- In Windows XP, click **Start | Control Panel | Display** and click the **Themes** tab.
- In Windows Vista, click **Start | Control Panel | Personalization**, and then choose **Theme**.

Choose other personalization options such as **Display Settings** and **Desktop Background** to create the display environment that is right for you.

Start menu and Taskbar settings

The taskbar is the status area that runs along the bottom of your screen. You can customize the Start menu and the taskbar features to optimize their use on a small screen, including:

- Automatically hiding the taskbar, or keeping it on top of other windows.
- Configuring the number of programs that appear in the Start menu.
- Showing or hiding pre-set programs that normally appear on the start menu, such as My Computer or My Network Places.

To modify these settings in Windows XP and Windows Vista, click **Start | Control Panel | Taskbar and Start Menu**.

Using power management

Power management is one of the most important features of any mobile device, including your FlipStart. Power management settings are used to configure how your FlipStart uses the battery and AC power, what power-consuming features are enabled or disabled, and what types of feedback you are given about the current level of available power.

There are two types of power management settings that can be configured. Windows provides applets in the Control Panel that enable you to configure power management options, and the FlipStart Control Center provides options specific to your FlipStart.

Power options available in Windows

The Control Panel in Windows provides several options for power management in the Power Options section:

- **Power schemes** - This allows you to configure the time elapsed before your FlipStart automatically turns off your monitor or hard disk, and when or whether the system should go into Standby mode.
- **Advanced** - This tab allows you to determine if a password should appear when coming out of standby mode, and whether your FlipStart should power down or go into Standby mode when the power button is pressed.
- **Hibernate** - Enabling this option tells your FlipStart to store the active data in memory to your hard disk before shutting down. When the FlipStart turns on again, the data is restored and Windows returns to its previous state.

For more information about power options in Windows, see Windows Help.

Power options available in Control Center

Control Center provides a range of FlipStart-specific options to help manage your power usage.

➢ *To configure power options in Control Center:*

1. Double-click the Control Center icon in the system tray to open Control Center.
1. Choose **Power**, and select from the following configuration options:
   - Power Profiles – Click **Select a power profile preference** for quick access to Windows power settings. Select the power profile or power plan that you want to use.
   - Advanced power profile settings – With these FlipStart custom settings, you can configure your power performance to best meet your needs. Choose **Change fan speed** to choose low or high fan speed mode, or **Change hard drive timeout** to configure your hard drive to shut down after a period of inactivity.
   - View power settings – In this section, click **View battery status** or **View all power related settings** to see the power settings currently in use.

2 Close Control Center.

For more information on Control Center power management options, see Control Center Help.

Using your FlipStart on-the-go

As a mobile computer, the FlipStart is designed to be used nearly anywhere you can use a full-sized laptop computer. To take best advantage of the features of your FlipStart, you can customize power management settings and practice responsible power usage to maximize the life of your battery.

Tips for using your FlipStart on-the-go

- Use InfoPane to keep track of important information without starting Windows. You can synchronize your Microsoft Office Outlook e-mail, contacts, and calendar information with InfoPane, and refer to it on-the-go without starting Windows. Use the Jog Dial to turn on the InfoPane display when the lid is closed; also, use the Jog Dial together with the Escape button to navigate InfoPane. For more information, see *Using FlipStart InfoPane* (page 45).

  Note: If you would like InfoPane to check for new e-mail messages when the lid is closed, you must first enable this option in the InfoPane section of FlipStart Control Center.

- Use FlipStart Navigator to quickly choose programs, perform tasks, and configure settings from within Windows using the Jog Dial and Escape button, rather than mouse input devices and the keyboard.
- Use Control Center to add frequently used programs such as Bluetooth Settings to your Navigator Shortcuts. For more information, see Navigator Help in the Navigator application.

Maximizing battery life

- Turn off wireless components when you don't use them regularly. Disabling the Bluetooth or Wi-Fi radios, for example, helps to save power and extend the FlipStart's battery life. For more information, see Control Center Help.
- Customize your FlipStart's power management settings in Windows and in Control Center to best fit your usage patterns. For more information, see *Using power management* (on page 42) and the Control Center Help.
- Avoid processor- or hard drive-intensive applications and tasks, such as video playback or video editing.

For more information on configuring your FlipStart for mobile use, see Control Center Help.

Using FlipStart InfoPane

Your FlipStart includes an external screen, called the InfoPane, built into the lid. You can use FlipStart InfoPane to:

- View your Microsoft Office Outlook e-mail inbox.
- View your Microsoft Office Outlook calendar and appointments.
- Look up contact information from Microsoft Office Outlook.

How does FlipStart InfoPane work?

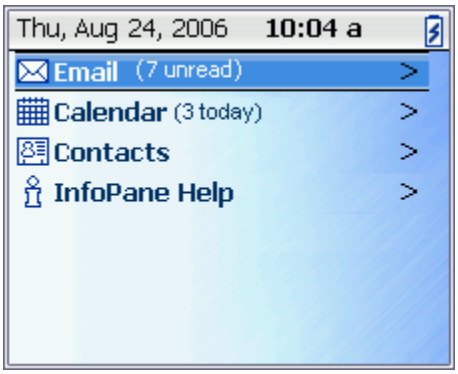
InfoPane communicates with Windows to access your information. When you close the FlipStart, Windows automatically goes into Standby mode and InfoPane turns on. InfoPane stores a "snapshot" of your Microsoft Office Outlook information so that you can look up your e-mail and calendar items while Windows is turned off, helping to save the battery life on your FlipStart.

Note: FlipStart InfoPane only displays information. You cannot enter new information or edit existing information while using FlipStart InfoPane. If you need to perform actions such as these, just open the display, and after Windows starts up, use Microsoft Office Outlook to perform the desired action.

Using FlipStart InfoPane

FlipStart InfoPane enables you to view selected Microsoft Office Outlook information from the secondary screen on your FlipStart.

The InfoPane home screen



When the FlipStart is on and the lid is closed, the InfoPane is activated. Press the Jog Dial in to display the home screen.

The home screen is your jumping off point for using all InfoPane features. Using the home screen, you can quickly display e-mail messages, appointments, and contacts.

Using the Jog Dial and Escape button on the side of the FlipStart, you can select options from the home screen, and then refine your choices to accomplish a specific action.

There are several areas on the screen:

- **Title Bar** - This line displays the current date and time. In the upper right corner, a battery indicator shows the remaining battery power on the FlipStart. When the battery reaches 5% or less, a red critical icon is displayed.
- **E-mail** - Select this option to browse e-mail in your Inbox that has been synchronized with the InfoPane. If there are unread messages, the display reads **(x unread)**.

Note: If you would like InfoPane to check for new e-mail messages when the lid is closed, you must first enable this option in the InfoPane section of FlipStart Control Center. For more information, see *Setting up InfoPane to check for new e-mail automatically* (on page 47).

- **Calendar** - Select this option to browse the calendar information synchronized from Outlook. If there are any meetings and appointments scheduled for the current day, the display reads **(x today)**.
- **Contacts** - Select this option to search through your synchronized contact list and view important contact details for quick reference.
- **InfoPane Help** - Select this option to view quick reference information about using the InfoPane, providing easy answers without having to start Windows to view help.

Navigating the InfoPane screen

The following controls are available to navigate the InfoPane screen:

- **Jog Dial** - Used to scroll up and down in lists of items displayed on the InfoPane, and to select items from lists.
- **Escape button** - Used to cancel out of a screen and return to the previous screen.

Using the Jog Dial

To navigate the InfoPane screen and choose menu items, use the Jog Dial and Escape button on the right side of the FlipStart.

Use the Jog Dial to navigate items displayed on the InfoPane and to select entries, as follows:

- Move the Jog Dial up and down to move the selection bar from one item to the next on the screen.
- Press the Jog Dial in and release it to select the currently highlighted entry on the screen.
- Press the Escape button to go up one level in the menu structure.
- Press and hold the Escape button for two or more seconds to quickly return to the main InfoPane screen.

If a screen contains large amounts of information, such as a large list of contact names, the Jog Dial goes into "fast scrolling" mode:

- Move the Jog Dial up and hold it up to scroll quickly upward in a list.
- Move the Jog Dial down and hold it down to scroll quickly downward in a list.

Limitations of the InfoPane

InforPane's e-mail, calendar, and contact information can only synchronize with Microsoft Office Outlook. Other e-mail, messaging, or personal information manager software cannot be used with InfoPane.

Microsoft Office Outlook information displayed on the InfoPane is presented in a read-only format. You also cannot interact with items as you can when using Microsoft Office Outlook.

Things you cannot do using the InfoPane:

- Reply to, delete, or forward e-mail.
- Accept meeting requests.
- Update meeting and appointment details.
- Add, remove, or update contact information.

However, any of these tasks can be accomplished by opening the FlipStart and using Microsoft Office Outlook normally.

Setting up InfoPane to check for new e-mail automatically

You can set up InfoPane to check for new e-mail messages when the lid is closed. Note, however, that this feature is turned off by default. To enable this feature, you must first set up your FlipStart using the following procedure.

➢ *To set up automatic e-mail synchronization:*

1. Ensure that the following features in Microsoft Office Outlook and Windows are set up properly:
   - Microsoft Office Outlook has an e-mail account set up, and you are able to retrieve e-mail messages using this account.
   - Microsoft Office Outlook is not configured to prompt for a password whenever you check for new messages.
   - Microsoft Windows is not set up to prompt for a password when waking up from Standby mode.

2 Enable a sync interval using FlipStart Control Center. (Navigate to **InfoPane > Change InfoPane/Windows sync intervals**, and make a selection.)

3 Ensure that the default behavior for putting Windows in Standby mode when the lid is closed is enabled in FlipStart Control Center. (Navigate to **InfoPane > Turn on/off Windows standby mode**).

4 Ensure that you have set up a wired or wireless network connection and that the network device is available (for example, that the Wi-Fi radio is switched on).

Note: You must be within range of a network for InfoPane to be able to retrieve new e-mail messages while the lid is closed.

5 Ensure that Microsoft Office Outlook is running and connected when you close the lid.

Using FlipStart software

Your FlipStart contains several custom software applications designed to make your FlipStart computing experience easier and more efficient. Each section below provides more information on the different FlipStart software applications installed.

Using FlipStart Navigator

FlipStart Navigator makes it easy to quickly access frequently used programs and frequently used information. Because Navigator can quickly be started from the keyboard and controlled using the Jog Dial and Escape button, Navigator helps free you from the navigational constraints inherent in typical handheld devices.

Navigator makes it a snap to:

- View e-mail messages.
- View upcoming appointments.
- Look up contact information.
- Open Web pages.
- Navigate the Windows file system.
- Open files, folders, and applications from a list of shortcuts defined by you.

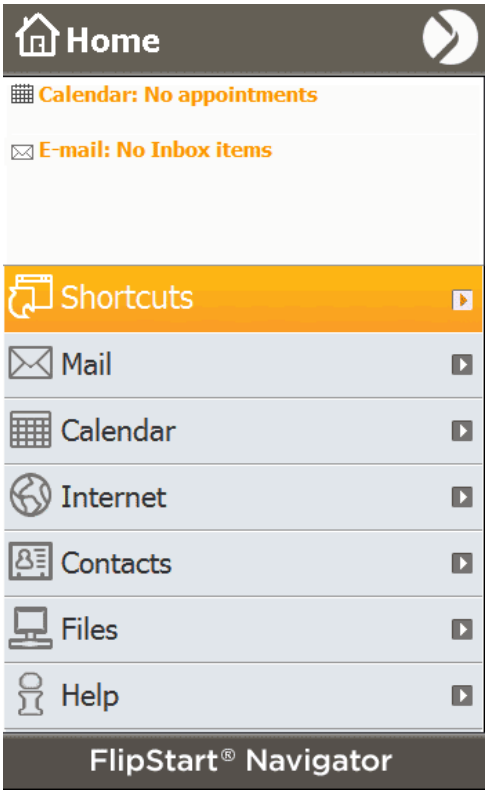
How does Navigator work?

Navigator automatically starts whenever your FlipStart first starts up, so it is always running in the background on your FlipStart, ready to appear when you need it. Simply press the Navigator key on the keyboard to start the program.

To show Navigator, press the Navigator key on the keyboard

To hide Navigator, press the Navigator key again.

When you start Navigator, a window slides open on the right side of the Windows desktop:



How do I use Navigator?

- Open Navigator by pressing the Navigator key on the keyboard.
- Control the Navigator application using the Jog Dial and Escape button located on the right side of the FlipStart.

Information on Navigator is organized in lists of items in a hierarchical tree structure. Use the Jog Dial and Escape button to move the selection bar up and down the list and to drill down or drill up in the hierarchy as follows:

- Move the Jog Dial up and down to highlight different items on a list.
- Press the Jog Dial in to select a highlighted item and either drill down to a different level of the hierarchy or perform an action.
- Press the Escape button to go up one level in the hierarchy.
- Press and hold the Escape button for two or more seconds to return to the Navigator home screen.

Limitations of Navigator

Navigator's e-mail, calendar, and contact information can only synchronize with Microsoft Office Outlook. Other e-mail, messaging, or personal information manager software cannot be used with Navigator.

Microsoft Office Outlook and Windows information displayed in Navigator is presented in a read-only format. You also cannot interact with items as you can when using Microsoft Office Outlook or Windows

Things you cannot do using Navigator:

- Reply to, delete, or forward e-mail.
- Accept meeting requests.
- Update meeting and appointment details.
- Add, remove, or update contact information.

However, any of these tasks can be accomplished by using Microsoft Office Outlook normally.

Using FlipStart Zoom

FlipStart Zoom is a program that magnifies items on the FlipStart screen so that you can better view and work with them.

For example, if text in a window is difficult to read, use Zoom to magnify the window containing the text to a size that is more easily readable for you. Or if you are using a Web browser and an image on a page is too small to see any details, use Zoom to magnify the image so that you can see the details more clearly.

How does Zoom work?

Zoom works by magnifying the currently active item on the Windows desktop such as a program window, a dialog box, a pop-up box, a Web page, or an image embedded in a Web page. However, Zoom does not control the magnification feature already built in to some programs, and in those programs, pressing the Zoom button and using the Jog Dial will magnify the entire program window.

Limitations of Zoom

Zoom works with most applications, but it may not work properly or at all with some third-party applications, including programs that render video or graphics using overlays. The following applications are known to have compatibility issues with Zoom:

- Windows Media Player
- RealPlayer
- Some third-party software DVD players

How do I use Zoom?

You turn Zoom on or off by using the Zoom key.

Once Zoom is turned on, press and hold the Zoom key and then use the Jog Dial on the right side of the FlipStart to zoom in and out.

Once you've reached a comfortable zoom level, you can work in your program as you normally would. Click outside of the zoomed area, or press the Zoom key again to return to normal magnification.

Using FlipStart Control Center

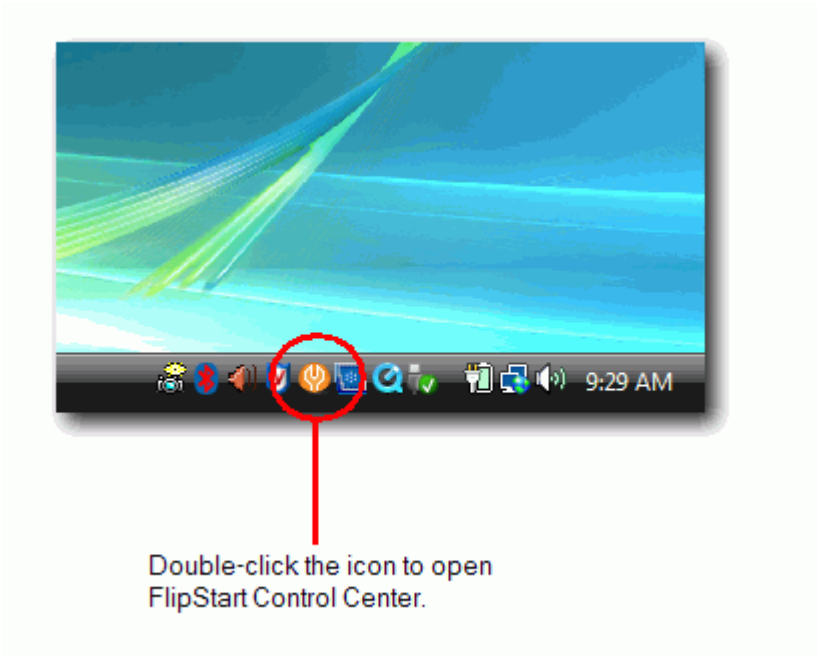
FlipStart Control Center is the main hub of settings for changing hardware and software options unique to your FlipStart.

Using Control Center, you can:

- Configure your wireless and Ethernet network settings.
- Configure your camera, keyboard, and mouse settings.
- Configure InfoPane to synchronize automatically with Microsoft Office Outlook.
- Customize FlipStart Navigator.
- Get quick access to power management options.
- View system information and software version numbers.
- Configure Zoom application options.

Starting Control Center

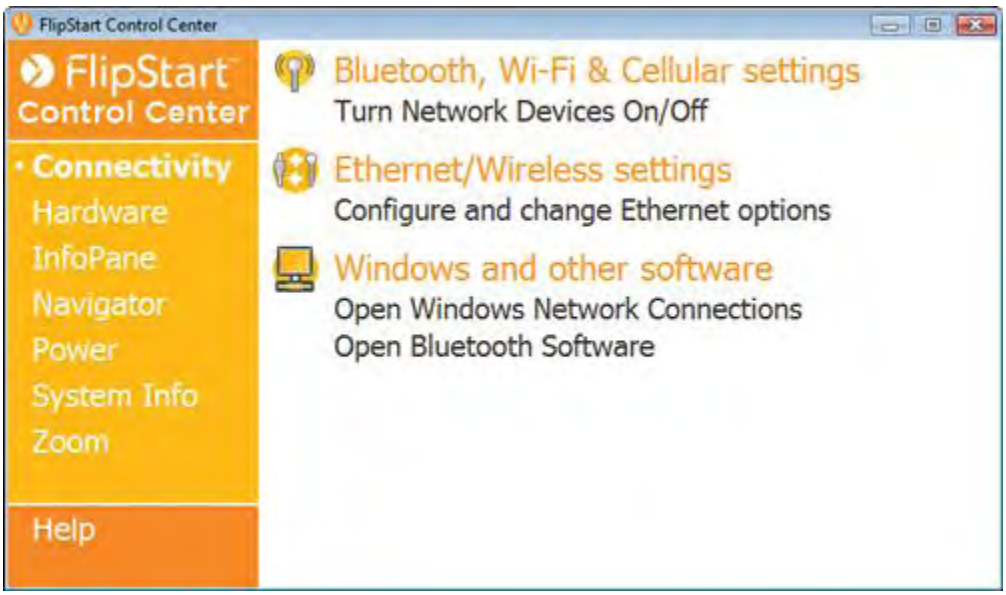
Control Center can be started in a number of ways. The easiest way to launch Control Center is by double-clicking the Control Center icon in the Windows system tray.



Tip: You can also start Control Center from the Start Menu in Windows, or by adding the Control Center application to your FlipStart Navigator shortcuts and then launching it using Navigator.

Using Control Center

Once Control Center has started, select a category of options to configure from the list on the left side of the window, and then select a specific option to configure from the right side of the window. For example, to configure connectivity options, click Connectivity from the list on the left, and then select an item from the list that appears on the right side of the window. Depending on what you choose, another window opens and enables you to set any available configuration options.



If you need more information about any of the available options, click Help at the bottom of the list on the left.

Using the webcam

Your FlipStart includes a built-in webcam that can be used to record video to a file or stream video over the Internet. The webcam is located in the center of the bezel just below the main display of the FlipStart, facing you when you are using the FlipStart normally.

Using your webcam

The webcam can be used for many purposes, including video conferencing, video chat, and recording still images.

To conserve battery power, the webcam is turned off by default and must be switched on before you can use it. You can switch the webcam on and choose webcam settings with Control Center.

➢ *To turn the webcam on or off*

1. Click the **Control Center** icon in the system tray and select **Hardware**.
2. Under **Camera settings**, choose **Turn camera on/off.**
   The default webcam software automatically starts when you turn the webcam on.

Note: You can also turn the webcam on and off by pressing

+ on the FlipStart keyboard.

➢ *To change the default camera software*

You can change the default program that starts whenever the webcam is turned on to one of your own choosing.

1. Click the **Control Center** icon in the system tray and select **Hardware**.
2. Under **Camera settings**, choose **Select default camera software**.
3. On the **Select default camera software** window, click **Browse** in the **Select application to launch with camera** section.
4. Use the **Select application for camera** window to locate the application on your hard drive, and click **OK**.

Using audio

Your FlipStart provides multiple ways to enjoy the audio capabilities of Windows and Windows programs.

Using the internal speaker

The FlipStart includes an internal speaker, which plays back sounds from Windows and Windows programs.

If an audio output device, such as headphones or external speakers, is plugged into the audio jack on the FlipStart, the internal speaker is automatically disabled until you unplug the device.

Using the internal microphones

The FlipStart includes two internal microphones (one on each side of the main LCD), which can be used to record or input sound to Windows and Windows programs. Please see the documentation for Windows or the Windows program for further information about how to set options for audio input.

Note: If an audio device, such as a pair of headphones, is plugged into the audio jack, the internal microphones are automatically disabled until you unplug the device.

Controlling audio output volume

You can control the audio output volume using the standard volume control in the Windows system tray or from within most Windows applications that provide audio playback.

You can also control audio volume using the built in volume control keys located near the front of the FlipStart keyboard.

➢ *To adjust audio volume up or down:*

1. Press the volume key on the keyboard.
2. When the volume control overlay appears on the screen, use the Jog Dial to adjust the volume up or down.

➢ *To mute audio volume:*

- Press the mute key on the keyboard.

Using the audio jacks

The FlipStart provides two audio jacks:

- A multi-function audio jack on the main unit that you can use for either audio input (with the supplied ear buds/microphone) or audio output.
- A line-out audio jack on the port replicator (available only when the port replicator is attached).

About the multi-function audio jack

The multi-function audio jack on the FlipStart can provide audio input, audio output, or both simultaneously with certain audio devices. It is located on the right side of the FlipStart near the rear of the FlipStart and is marked with green color-coding.

For example, the ear buds included with the FlipStart can serve as both headphones and a microphone simultaneously when plugged into the multi-function audio jack.

When you plug a device into it, the multi-function audio jack automatically senses what type of device is connected.

Note: The audio jack on the port replicator only provides unamplified audio output. You cannot use audio input devices connected to the port replicator line-out audio jack.

Connecting speakers, headphones, and other audio output devices

While the FlipStart comes with a set of ear buds that can function as both headphones and microphone, you can also connect other audio output devices, such as powered external speakers, headphones, or another audio device that connects to outgoing speakers (such as some home entertainment receivers).

Note: You might have to purchase a third-party cable to connect to certain other audio input devices. Additional audio cables are not included with the FlipStart.

➢ *To connect an audio output device:*

1. If the port replicator is not attached to your FlipStart, plug your device into the multi-function audio jack on the main unit.
   If the port replicator is attached, plug your audio output device into the line-out audio jack on the port replicator.
2. Once you connect the output device, all sound output is redirected automatically to the newly connected speaker or device.

   Note: Plugging an audio output device into the built-in multifunction jack does not disable output to the audio line-out jack on the port replicator, if the port replicator is plugged in.

Using a microphone

The multi-function audio jack can also be used for audio input from the supplied ear buds/microphone.

➢ *To connect the microphone:*

1 Plug the supplied ear bud/microphone jack into the multi-function audio jack on the main unit.

Note: You must use the multi-function jack on the main unit for audio input. The audio jack on the port replicator only provides audio output. For microphone functions, you can only use the supplied ear bud/microphone unit. Other external microphones do not function in this jack.

2 Once you connect the ear bud/microphone, the internal microphones are disabled and all sound input is redirected automatically to the external microphone.

See the documentation for Windows or your Windows program for further information on controlling audio input devices.

Controlling audio playback

Your FlipStart includes dedicated keys and buttons to control audio playback in almost any media playback application in Windows. These keys are located on the front of the keyboard, and additional buttons are located on the right side of the lid. You can control audio playback as you would with any music device.

There are four buttons on the front of the FlipStart keyboard used to control audio playback.

Play/Pause

- To start playback, press and release this button.
- To pause playback while audio is playing, press and release this button.
- To resume paused playback, press and release the button.

Stop

- To stop playback while audio is playing, press and release this button.

Rewind/Prev Track

- Press and release this button to skip back one track in the current playlist.
- If no audio is playing, this button is not functional.

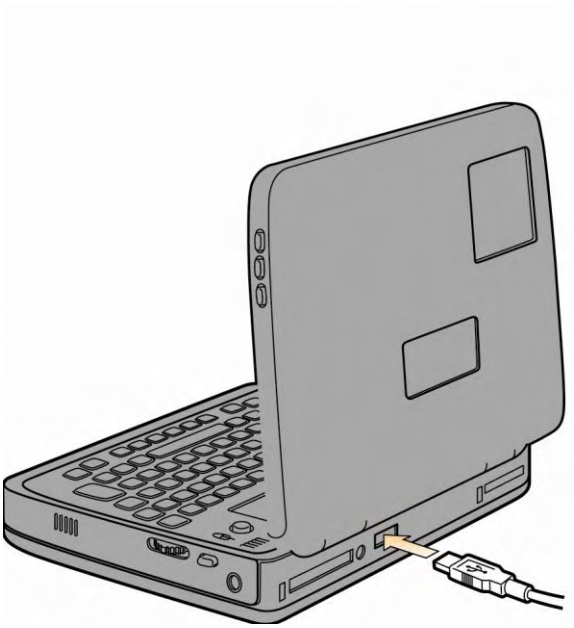
Fast Forward/Next Track

- Press and release this button to skip forward one track in the current playlist.
- If no audio is playing, this button is not functional.

Using the FlipStart with external keyboard, video, and mouse

It's easy to expand your FlipStart to accommodate your working environment. When traveling, a FlipStart functions just fine on its own without any additional accessories. When in the office or at home, you can connect other hardware to the FlipStart to make your computing experience easier and more efficient.

The FlipStart comes with a single, built-in USB 2.0 port on the rear of the FlipStart.



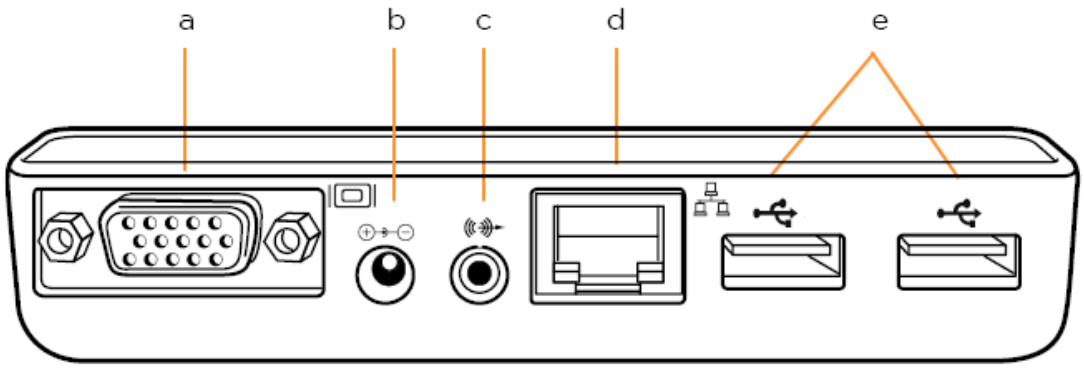
You can also use the included port replicator to expand the number of accessories you can attach.

Here are just a few examples of how you can expand your FlipStart, some of which can be used with the FlipStart's USB 2.0 port, some of which require use of the port replicator:

- Add an external monitor for a larger picture.
- Add a USB keyboard or mouse, either wired or wireless.
- Add Bluetooth devices such as keyboards or mice.
- Add a USB disk drive to expand storage.

Using the port replicator

The port replicator is an attachment that you connect to your FlipStart to expand the number of ports and connectors available to you. The port replicator provides a VGA port, Ethernet port, two USB ports, an AC power connection, and an audio line-out port, as illustrated below.



a. VGA port
b. AC power port
c. Audio output
d. RJ45 10/100 Ethernet jack
e. USB 2.0 ports

a. External VGA video out connector

Connect an external VGA monitor or projector to your FlipStart. External devices require a VGA connector.

b. AC power adapter port

Connect the included AC power cord here and to a live wall socket to provide power to the FlipStart. The battery automatically recharges whenever the AC power cord is plugged into this port and into a live wall socket.

c. Line-out audio jack (unamplified)

Connect powered external speakers or any other sound output device that provides its own amplification.

d. Ethernet 10/100Base-T port

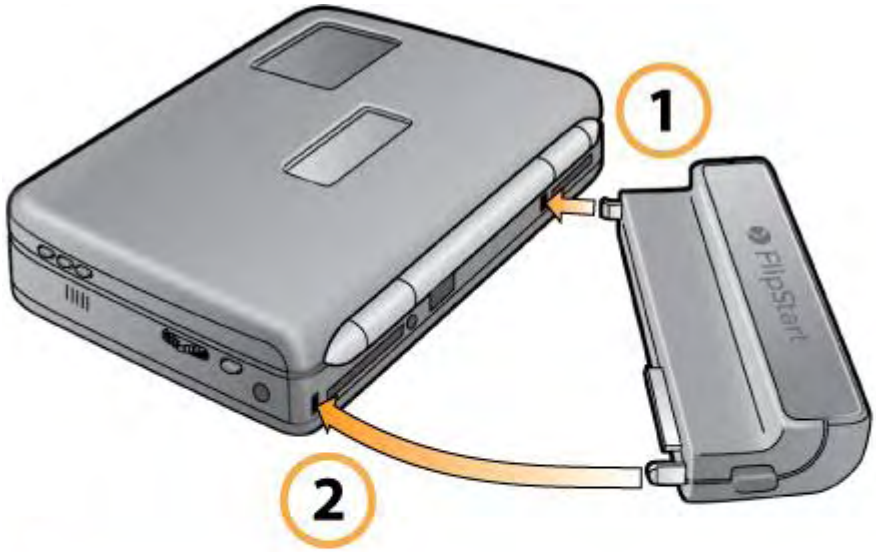
Connect to a 10 or 100/Base-T Ethernet network, or connect (using a crossover Ethernet cable) to another computer's Ethernet port.

e. Two USB 2.0 ports

Connect additional devices to your FlipStart, including flash memory drives, external hard drives, external optical drives, additional input devices (such as an external keyboard or mouse), digital cameras, digital music players, or any other USB device.

➢ *Attaching the port replicator*

To connect the port replicator, turn off your FlipStart and plug the replicator into the back of the FlipStart as indicated in the illustration below.



CAUTION! Do not insert the metal tab first. Always attach the two ends of the port replicator in the order shown above, or you might damage the FlipStart or the port replicator.

Turn your FlipStart back on and connect your peripherals directly into the port replicator.

Caution! Insert the port replicator connectors in the order shown above. Do not try to insert them into the connector slots in any other manner. Do not try to force the connectors into the slots. If you do, you may damage the connectors, the port replicator, or the main FlipStart.

➢ *Removing the port replicator*

To remove the port replicator, press the release button in and gently pull the button end of the port replicator away from the main unit.

As soon as one connector is detached from the FlipStart, gently unlatch the other end of the port replicator from the connecting slot on the main unit.

Caution! Do not try to force the connectors out. Do not pull both connectors out at the same time. If you do, you may damage the connectors, the port replicator, or the FlipStart.

Attaching an external monitor or other video source

It's easy to expand your FlipStart to accommodate your working environment by adding a larger computer monitor. The port replicator that comes with your FlipStart includes a VGA port that allows you to connect any CRT or LCD monitor that has a standard VGA connector.

➢ *To connect an external monitor:*

1. Turn off the FlipStart.
2. Connect the port replicator to the back of your FlipStart.
3. Connect the VGA cable from the external monitor to the VGA port on the port replicator.
4. Turn on the monitor and the FlipStart.
5. Press

.

The Windows desktop from your FlipStart should now appear on the external monitor. To take your FlipStart mobile again, simply shut off the FlipStart and disconnect the monitor. The next time you power on the FlipStart, video output will again appear on the FlipStart's screen.

Using Bluetooth devices

Nearly any Bluetooth-compatible device can be connected to your FlipStart. To add a device, first consult that device's instructions for any special needs or limitations. Then, use the Bluetooth Settings wizard to add the device.

➢ *To connect to Bluetooth devices:*

1. If the Bluetooth radio is turned off on your FlipStart, enable it by opening **Control Center** and choosing **Turn Network Devices On/Off.** Set Bluetooth to **On** in the **Connectivity Status** area.
2. Double-click the Bluetooth icon in the Windows system tray and follow the instructions in the window. For more information, see the help documentation for the Bluetooth utility.

Note: You may need to refer to the instruction manual for your Bluetooth device for more information during the process.

Changing Bluetooth settings

If you need to change Bluetooth settings for your FlipStart, use the following instructions.

➢ *To change Bluetooth settings:*

- For Windows XP users, go to **Start | Control Panel | Network and Internet Connections** and click **Bluetooth Devices**.
- For Windows Vista users, go to **Start | Control Panel | Network and Internet** and click **Bluetooth Devices**.

  On the Options tab, choose the task that you want to perform from the list. Some of the options include:
  - Allow Bluetooth devices to find this computer.
  - Allow Bluetooth devices to connect to this computer.
  - Alert me when a new Bluetooth device wants to connect.
  - Show the Bluetooth icon in the notification area. Select this option to quickly access Bluetooth settings.

Changing settings for your external Bluetooth devices

For more detailed information on configuring an external Bluetooth device, see the User's Guide or help files that came with that device.

➢ *To change external Bluetooth device settings:*

For Windows XP users:

1 Click **Start | Control Panel | Printers and Other Hardware | Bluetooth Devices**.

2 Select the icon of the Bluetooth device you want to configure, and click **Properties**.

3 In the **Properties** window, click the **Services** tab to see a list of available services for that device. Select the check boxes of the options you want to make available and clear the ones you do not want to be available.

4 Click **OK**, and then **OK** again.

For Windows Vista users:

1 For Windows Vista users, click **Start | Control Panel | Network and Internet | Bluetooth Devices**.

2 On the **Devices** tab, select the icon of the Bluetooth device you want to configure, and click **Properties**.

3 In the **Properties** window, click the **Services** tab to see a list of available services for that device. Select the check boxes of the options you want to make available and clear the ones you do not want to be available.

4 Click **OK**, and then **OK** again.

Note: Many Bluetooth configuration options can be quickly selected by right clicking on the Bluetooth icon in the system tray, and then selecting an option.

For more information, on troubleshooting Bluetooth wireless technology connection problems, see *Solving problems with Bluetooth* (on page 73).

Connecting USB keyboards, mice and other devices

The FlipStart main unit has one built-in USB 2.0 port on the rear, and the FlipStart port replicator provides two USB 2.0 ports. In addition, you can connect USB hubs to connect as many devices as needed.

Note: Some USB devices draw power from your FlipStart. Be aware that using some USB devices while your FlipStart is running on battery power can greatly reduce the amount of time the battery charge will last. Also, some USB devices might function only if they are using their own power supply.

Connecting USB devices such as keyboard, mice, cameras, and disk drives to your FlipStart requires little or no configuration. Many USB devices can be connected and disconnected while Windows is running.

However, when connecting some USB devices for the first time, you may need to turn off the FlipStart first and then connect the USB device or you may need to install special Windows drivers for the device. For special installation instructions for your USB device, please consult your device's documentation before attaching it to the FlipStart.

➢ *To connect a USB device to your FlipStart:*

1. Plug the USB device into the USB port on the back of the FlipStart, or to one of the USB ports on the port replicator.
2. Windows should recognize the newly connected USB device, load any needed drivers, and notify you when the device is ready to be used.

Learning more about Windows

There are several resources available to help you learn to use Windows successfully and keep your FlipStart up-to-date.

Windows Help

Windows contains an extensive help system, called the Help and Support Center. Windows Help and Support provides extensive resources for:

- Learning about using Windows.
- Networking and the Internet.
- Customizing your computer.
- Using built-in Windows applications.
- Getting additional Windows help.

To access Windows Help, simply press F1 while using the Windows desktop, or select **Help and Support** from the Start Menu.

Windows Update

Windows Update is a Windows feature that keeps your FlipStart up-to-date with the latest program updates, security fixes, and new features and accessories from Microsoft. It is very important to keep your FlipStart up-to-date because potential security risks from malicious programs can put your personal and financial information at risk.

Windows Update works by occasionally checking in with Microsoft to see if there are new updates available. You can have Windows Update check automatically, or manually check for updates when you are connected to a network. It is strongly recommended that you use automatic updates to ensure the best protection for your FlipStart.

➢ *To turn on Automatic Updates:*

For Windows XP users:

1 Click **Start** | **Control Panel** | System to open the **System Properties** window.

2 In the **Automatic Updates** tab, select **Automatic (recommended)** if it is not already selected.

3 Select the day and time you want the update process to take place.

4 Click **OK** to save your changes.

For Windows Vista users:

1 Click **Start** | **All Programs** | **Windows Update** to open the **Windows Security Center** window.

2 Select **Change settings**, and choose **Install updates automatically (recommended).**

3 Select the day and time you want the update process to take place.

4 Click **OK** to save your changes.

Note: Press F1 at any time to access Windows Help for the specific task you are trying to perform.

CHAPTER 5

Solving problems

If you have questions or run into problems with your FlipStart hardware or software, there are several ways to find a solution to your problem. This section contains a series of topics that can help you troubleshoot your issues, and includes information on getting further help.

In This Chapter

Getting more help.....69
Troubleshooting 70

Getting more help

If you do not find the answer to your question in this section, there are several other alternatives that you can use to find help.

- **Help Central** - For specific help on FlipStart-specific software such as Control Center, Zoom, InfoPane or Navigator, launch Help Central from your FlipStart's desktop and explore the help sections for those programs.
- **Online Web support** - Visit the FlipStart Web site at http://www.flipstart.com/support for support articles and contact options.
- **Customer Support** - If you cannot find your answer by using one of the above resources, you can contact a FlipStart Customer Support representative at 800-399-3037.

Troubleshooting

What to do if you have battery or other power problems

Problem: Nothing happens when I press the FlipStart power button.

Suggested troubleshooting steps:

- Ensure you have charged the battery before trying to use the FlipStart without an AC adapter.
- Ensure that you have inserted the AC adapter plug into the AC port on the *rear* of the computer rather than into the audio jack on the right side of the computer.
- Disconnect and reconnect the battery plate on the bottom of your FlipStart to ensure a good connection. See *Charging the battery before using unplugged* (on page 18).
- Check that the AC adapter is firmly connected to the power source and receiving power.

Problem: The battery seems to run down quickly. What can I do to maximize battery life?

Suggested troubleshooting steps:

- Try turning off unused wireless radios and adjusting your power options. For more information, see *Using power management* (on page 42).

Problem: The battery is not charging correctly.

Suggested troubleshooting steps:

- Detach and re-attach the battery on the bottom of your FlipStart to ensure a good connection.
- Ensure that you have inserted the AC adapter plug into the AC port on the *rear* of the computer rather than into the audio jack on the right side of the computer.

Warning! Do not disassemble the battery or attempt to repair damage yourself. Doing so may result in increased risk of fire, explosion, or leakage, which could result in personal injury or death.

Warning! There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent battery type as recommended by FlipStart. Labs.

What to do if the FlipStart or an application freezes

Problem: My application stops responding while I am using it.

Suggested troubleshooting steps:

- If an application freezes, try pressing the Ctrl-Alt-Del key to launch Task Manager and manually end the application.
- If an application will not close, or will not restart after closing, restart your FlipStart.
- If an application will still not restart, try reinstalling the application.

Problem: My FlipStart stops responding while I am using it.

Suggested troubleshooting steps:

- If the FlipStart locks up, try restarting the FlipStart and attempting the same task. Press and hold the power button for five seconds or longer to turn the FlipStart off, and then press the power button again to restart.
- If the FlipStart still locks up, troubleshoot that application or feature set that caused the lockup, or refer to the documentation or customer support information for that application.

What to do if you can't connect to a network

Troubleshooting a problem with your network can be different depending upon which type of network you are using.

Solving problems with Wi-Fi connections

Problem: My Wi-Fi radio doesn't seem to be working at all.

Suggested troubleshooting steps:

- Make sure the Wi-Fi radio is enabled in FlipStart Control Center.

Problem: My FlipStart cannot find any public Wi-Fi networks to connect to.

Suggested troubleshooting steps:

- Make sure the Wi-Fi radio is enabled in FlipStart Control Center.
- Ensure you are within range of an active 802.11b or 802.11g wireless network.
- If this is your first time using Wi-Fi, make sure that your wireless network connection has been configured in Windows, and that the connection icon is visible in the Windows system tray and shows that you are connected. For more information, see *Configuring Wi-Fi (802.11b/g) wireless networking* (on page 26).
- Try restarting your FlipStart.

Problem: My FlipStart can see a Wi-Fi network, but cannot connect to it.

Suggested troubleshooting steps:

- Check Windows wireless network settings to make sure they match the settings of the Wi-Fi connection.
- Verify that you are using the correct password and encryption type for the wireless network you wish to join.

Problem: My Wi-Fi connection is spotty or loses connection.

Suggested troubleshooting steps:

- You may be close to going out of range. Ensure you are within range of an active 802.11b or 802.11g wireless network.
- Move to where there is a clear view of the wireless network base station or transmitter; avoid interference from concrete or metal objects and walls.
- Check for interference from objects in your environment that emit radio signals, such as microwave ovens or cordless telephones.

Solving problems with cellular broadband connections

Problem: My cellular broadband modem doesn't seem to be working at all, or I am having trouble connecting to my carrier's network.

Suggested troubleshooting steps:

- Make sure the cellular broadband radio is enabled in FlipStart Control Center.
- Make sure that you have purchased a data plan from a supported cellular broadband wireless carrier, and that you have activated your FlipStart's cellular broadband device to work with that network.
- Make sure that your wireless carrier's provides cellular broadband coverage in the area from which you are attempting to connect.
- Consult the documentation for the cellular broadband connection manager software that you use to connect to your wireless carrier's network.
- Contact your wireless carrier's customer support for further help.

Solving problems with wired Ethernet connections

Problem: I cannot connect to a network using an Ethernet cable.

Suggested troubleshooting steps:

- Make sure other computers on the network can connect to the network successfully.
- Disconnect and reconnect the Ethernet cable to your FlipStart, and try accessing the network again.
- Verify that you have your network connection configured correctly. For more information, see *Configuring wired Ethernet networking* (on page 28).
- Make sure no firewall or security software on your FlipStart is blocking network connections.

Solving problems with Bluetooth connections

Problem: My FlipStart cannot find my Bluetooth device (or vice-versa) to pair with it.

Suggested troubleshooting steps:

- Check to see if your Bluetooth device is in “discovery” mode. The procedure for making a device discoverable is different for different devices; a mobile phone might require that you select an option from a menu, while a keyboard or mouse might only require that you press a button.
- If you made your device discoverable earlier, check to make sure that it is still in “discovery” mode. Some devices (such as some mobile phones) only enable discovery for a limited amount of time.

Problem: My Bluetooth connection is very slow in responding or the connection between the devices keeps dropping out intermittently or is not working at all.

Suggested troubleshooting steps:

- Make sure the two devices are still paired.
- Check that the external device is in range of the FlipStart. Some connection problems can be caused by the Bluetooth devices being too far away from each other. Refer to your device’s user manual for recommended operating distances.
- Check that Windows is configured to accept incoming Bluetooth connections (for more information, see Windows help).
- Check that there are no other Bluetooth devices in the area either trying to connect to the FlipStart or actively using it. If there are, wait until the other Bluetooth devices have finished using the device you want to use, or disable your Bluetooth device from being “discovered” by other Bluetooth devices.
- Check that there are no other devices in the area using the same radio frequency (2.4 GHz) as Bluetooth. Some devices that might cause radio interference include microwave ovens, Wi-Fi enabled computers or access points, and some cordless telephones. If this might be the problem, try moving your FlipStart and Bluetooth device out of the range of the potentially interfering device.

If all else fails, try removing the device and then adding it again using the steps outlined in *Using Bluetooth devices* (on page 63).

What to do if you can't print

Problem: I cannot print to a printer connected to my FlipStart.

Suggested troubleshooting steps:

- Make sure the printer is turned on, has paper, and is ready to print.
- Verify the printer driver has been installed on your FlipStart. For more information, see your printer's setup instructions.
- Check the cable connecting your FlipStart to your printer.

Problem: I cannot print to a network printer.

Suggested troubleshooting steps:

- Verify the printer driver has been installed on your FlipStart. For more information, see your printer's setup instructions.
- Verify that you have network connectivity and can access other shared network resources from the FlipStart.
- Make sure the printer has been configured to be used by networked computers. Printer sharing permissions are configured on the computer hosting the printer.

What to do if you have video or screen problems

Problem: My screen has a picture, but it is distorted or unreadable.

Suggested troubleshooting steps:

- Try shutting down your FlipStart. Restart the FlipStart to see if the problem has been solved.
- Launch Windows in Safe Mode by pressing F8 at the beginning of startup. If you can read the screen in Safe Mode, check Display Properties in the Control Panel to verify you are using the correct display resolution and color depth.

Problem: Certain applications or games that should work on my FlipStart are not functioning correctly.

Suggested troubleshooting steps:

- Update your video drivers. To locate the latest video drivers, check with FlipStart's online support at http://www.flipstart.com/support.

What to do if you have problems with input devices

Problem: My Bluetooth keyboard or mouse is not functioning or is only working part of the time.

Suggested troubleshooting steps:

- Make sure the two devices are still paired.
- Check that the external device is in range of the FlipStart. Some connection problems can be caused by the Bluetooth devices being too far away from each other. Refer to your device's user manual for recommended operating distances.

Problem: My touchstick or touchpad is not working correctly.

Suggested troubleshooting steps:

- Use your finger as the pointing device for the touchpad, not a sharp pointing device like a pencil. Sharp objects can damage the touchpad.
- Inspect your touchpad closely to ensure no crumbs, particles, or oil smears are marring the surface. Clean the input device with a damp, soft cloth, if necessary.

Problem: The Jog Dial on the side of my FlipStart is not working correctly.

Suggested troubleshooting steps:

- Inspect your Jog Dial closely to ensure no crumbs, particles, or oil smears are marring the surface. Clean the Jog Dial with a damp, soft cloth, if necessary.

What to do if you have problems with FlipStart InfoPane

Problem: When I close my FlipStart, the InfoPane does not turn on.

Suggested troubleshooting steps:

- Press the Jog Dial in to activate the InfoPane screen.
- Make sure you have closed your FlipStart completely.
- Verify that InfoPane is enabled in the Control Center. For more information, see InfoPane options in Control Center Help.
- Try restarting your FlipStart.

What to do if FlipStart software is not working properly

Problem: I am having problems using FlipStart Navigator, FlipStart Control Center, or FlipStart Zoom.

Suggested troubleshooting steps:

- Try restarting your FlipStart.
- Make sure that you have no applications running that could interfere with your software, such as desktop control programs or spyware.

What to do if you have problems with Microsoft Windows

Problem: I am having problems with Microsoft Windows features or configuring Windows.

Suggested troubleshooting steps:

- Microsoft Windows and the Microsoft Web site (http://www.microsoft.com/windows) contain extensive resources for troubleshooting Windows.

  To start Windows help in Windows XP, click **Start** and then choose **Help and Support**.
  To start Windows help in Windows Vista, click the Vista button, and select **Help and Support.**
  To view help information for the feature you are working with, press F1 (**Fn+1**) at any time.

APPENDIX A

Specifications

Main Unit

CPU	1.1 GHz Intel® Pentium® M Processor, Ultra Low Voltage
RAM	512 MB DDR RAM
Video memory	256 MB (shared)
Dimensions	▪ 5.9”x4.5”x1.35” with Slimline Battery ▪ 5.9”x4.5”x1.5” with Extended Life Battery
Form factor	Clamshell
Hard drive	30 GB (shock-mounted)
Display	5.6” Wide SVGA TFT, 1024 x 600 resolution, 216 dpi
Rear display	1.88” color LCD, 220 x 176 resolution
Keyboard	QWERTY thumb keyboard
Pointer	Touchpad and touchstick
Other input devices	Jog Dial with Escape button, audio control buttons
Sound chip	16/20/24-bit PCM
Bluetooth wireless technology	V2.0
Ethernet	Yes (on Port Replicator)
Wireless WAN	3G cellular broadband mobile networking (EV-DO)
Wi-Fi	802.11b/g
USB	1 USB 2.0 port on device
Power connector	Auto switching 110/240 volt AC power adapter and battery charger
Lithium-Polymer battery life	▪ Slimline: 1-3 hours (approximate, depending on usage) ▪ Standard high capacity battery: 3-6 hours (approximate, depending on use)
Weight	▪ 1.5 lbs. with Slimline Battery ▪ 1.75 lbs. with Standard High-Capacity Battery
Operating system and other applications	▪ Microsoft Windows Vista Business or Microsoft Windows XP Professional ▪ FlipStart InfoPane, FlipStart Navigator, FlipStart Zoom, FlipStart Control Center

Camera	▪ VGA: 640x480 resolution ▪ Color depth: 8bpp ▪ Frame rate: 30 fps
Audio	▪ 2 internal microphones ▪ 1 internal speaker ▪ 1 3.5mm multi-function audio input/output jack
Operating environment	▪ Temperature: 41° F - 95° F (5° C - 35° C) ▪ Relative humidity: 10% to 90% RH (non-condensing)

Port Replicator

Ports and connectors	▪ VGA output port ▪ Audio line-out jack ▪ 10/100 Ethernet port ▪ Two USB 2.0 ports ▪ AC power jack

APPENDIX B

Regulatory information

FCC Compliance Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Radio and Television Interference

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

If necessary, consult a FlipStart-authorized service provider or see the service and support information that came with your FlipStart product. Or, consult an experienced radio/television technician for additional suggestions.

Important: Any changes or modifications not expressly approved by Vulcan Portals Inc. could void the user's authority to operate the equipment.

This product was tested for EMC compliance under conditions that included the use of FlipStart peripheral devices. It is important that you use FlipStart peripheral devices to reduce the possibility of causing interference to radios, television sets, and other electronic devices. You can obtain FlipStart peripheral devices through a FlipStart-authorized dealer. For non-FlipStart peripheral devices, contact the manufacturer or dealer for assistance.

This device has been evaluated for RF exposure compliance for body-worn, or laptop configurations only. Use in other configurations, may expose the user to harmful Radio Frequency energy in excess of the FCC's maximum permissible limit (1.6 W/kg). This device operates below the FCC required limit.

Responsible party (contact for FCC matters only):

Vulcan Portals Inc.
Product Compliance
505 5th Ave. S., Suite 900
Seattle, WA 98104
USA

APPENDIX C

FlipStart Software End User License Agreement

This Software End User License Agreement ("Agreement") is between you (both the individual installing the Program and any single legal entity on behalf of which such individual is acting) ("You" or "Your") and FlipStart Labs, a dba of Vulcan Portals Inc. ("Vulcan").

IT IS IMPORTANT THAT YOU READ CAREFULLY AND UNDERSTAND THIS AGREEMENT. YOU AGREE TO BE BOUND BY THE TERMS OF THIS AGREEMENT BY INSTALLING, COPYING, OR OTHERWISE USING THE PROGRAM AND EQUIPMENT. IF YOU DO NOT AGREE WITH ALL THE TERMS OF THIS AGREEMENT AND DO NOT AGREE TO BE BOUND BY THIS AGREEMENT, PLEASE DO NOT INSTALL OR USE THIS PROGRAM OR EQUIPMENT. IF YOU DO NOT ACCEPT THIS AGREEMENT, YOU WILL NOT BE REGISTERED TO USE OR ACCESS THE PROGRAM.

1. Definitions

1.1 "Documentation" means the user guides for installation and use of the Program that Vulcan makes generally available.

1.2 "Program" means the software created by Vulcan, including FlipStart InfoPane, FlipStart Navigator, FlipStart Control Center, and FlipStart Zoom, in object code form only, and the media, Documentation and any updates provided by Vulcan to You and for which You are granted a license pursuant to this Agreement.

1.3 "Equipment" means the Vulcan FlipStart ultra-portable computer.

2. Program license

2.1 Limited License. Vulcan hereby grants to You a limited, non-exclusive, non-transferable license (without the right to sublicense):

(a) to use a single copy of the Program solely for Your own internal personal use on the Equipment on which the Program was first installed or, on a temporary basis, on a backup system if such Equipment is inoperative, consistent with the limitations specified or referenced in this Agreement and the Documentation;

(b) to use the Documentation provided with the Program in support of Your authorized use of the Program; and

(c) to copy the Program for archival or backup purposes, and to make a sufficient number of copies for the intended use described in the Documentation, provided that all titles and trademark, copyright and restricted rights notices are reproduced on all such copies.

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2.3 Ownership. Vulcan will retain all right, title and interest in and to the patent, copyright, trademark, trade secret and any other intellectual property rights in the Program and any derivative works thereof, subject only to the limited licenses set forth in this Agreement. You do not acquire any other rights, express or implied, in the Program other than those rights expressly granted under this Agreement.

2.4 No Support. Unless otherwise agreed upon, Vulcan has no obligation to provide support, maintenance, upgrades, modifications or new releases under this Agreement.

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4. Termination

This Agreement is effective until terminated. Vulcan may terminate this Agreement at any time upon Your breach of any of the provisions hereof. Upon termination of this Agreement, You will cease all use of the Program, return to Vulcan or destroy the Program and all Documentation and related materials in Your possession, and so certify to Vulcan. Except for the license granted herein and as expressly provided herein, the terms of this Agreement will survive termination.

5. General terms

5.1 Law. This Agreement and all matters arising out of or relating to this Agreement will be governed by the internal laws of the State of Washington without giving effect to any choice of law rule. This Agreement will not be governed by the United Nations Convention on Contracts for the International Sales of Goods, the application of which is expressly excluded. In the event of any controversy, claim or dispute between the parties arising out of or relating to this Agreement, such controversy, claim or dispute may be tried solely in a state or federal court for King County, Washington, and the parties hereby irrevocably consent to the jurisdiction and venue of such courts.

5.2 Limitation of Liability. In no event will either party be liable for any indirect, incidental, special, consequential or punitive damages, or damages for loss of profits, revenue, business, savings, data, use or cost of substitute procurement, incurred by either party or any third party, whether in an action in contract or tort, even if the other party has been advised of the possibility of such damages or if such damages are foreseeable. In no event will Vulcan's liability for damages hereunder exceed the amounts actually paid by You to Vulcan for the Program. The parties acknowledge that the limitations of liability in this Section 5.2 and in the other provisions of this Agreement and the allocation of risk herein are an essential element of the bargain between the parties, without which Vulcan would not have entered into this Agreement. Vulcan's pricing reflects this allocation of risk and the limitation of liability specified herein.

5.3 Severability and Waiver. If any provision of this Agreement is held to be illegal, invalid or otherwise unenforceable, such provision will be enforced to the extent possible consistent with the stated intention of the parties, or, if incapable of such enforcement, will be deemed to be severed and deleted from this Agreement, while the remainder of this Agreement will continue in full force and effect. The waiver by either party of any default or breach of this Agreement will not constitute a waiver of any other or subsequent default or breach.

5.4 No Assignment. You may not assign, sell, transfer, delegate or otherwise dispose of, whether voluntarily or involuntarily, by operation of law or otherwise, this Agreement or any rights or obligations under this Agreement without the prior written consent of Vulcan. Any purported assignment, transfer or delegation by You will be null and void. Subject to the foregoing, this Agreement will be binding upon and will inure to the benefit of the parties and their respective successors and assigns.

5.5 Export Administration. You will comply fully with all relevant export laws and regulations of the United States, including, without limitation, the U.S. Export Administration Regulations (collectively "Export Controls"). Without limiting the generality of the foregoing, You will not, and You will require Your representatives not to, export, direct or transfer the Program, or any direct product thereof, to any destination, person or entity restricted or prohibited by the Export Controls.

5.6 Entire Agreement. This Agreement constitutes the entire agreement between the parties and, other than any Vulcan standard form customer agreement signed by the parties, supersedes all prior or contemporaneous agreements or representations, written or oral, concerning the subject matter of this Agreement. In the event of a conflict between the terms of this Agreement and a signed Vulcan standard form customer Agreement, the terms of the signed customer agreement will control. This Agreement may not be modified or amended except in a writing signed by a duly authorized representative of each party; no other act, document, usage or custom will be deemed to amend or modify this Agreement. It is expressly agreed that the terms of this Agreement will supersede the terms in any of Your purchase orders or other ordering documents.

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FlipStart®

Online support: www.flipstart.com/support

Customer support: 800-399-3037

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