ENTEGRA
TECHNOLOGIES

USER MANUAL

Getting to know your Crossfire tablet

1st Edition

entegra technologies inc.

Date Issued;
August 2014

Document Number
ECS-D1-102:A0

Congratulations, you and your Crossfire Pro were made for each other.

TABLE OF CONTENTS

Crossfire User Guide

1st Edition

Publish Date:
August, 2014

Document Number:
ECS-D1-102:A0

entegra technologies inc

Address
6500 Pinecrest Drive, # 500
Plano, TX 75024

Phone
800-766-2026

Email
help@entegratec.com

GENERAL INFORMATION

Welcome to Crossfire.

Crossfire has been designed, tested, and manufactured to meet the environmental and physical real-world challenges faced by today's mobile workers. Based on years of experience in rugged mobile applications, Crossfire is designed to withstand the abuses of everyday wear and tear. Modern technology, modular and adaptive design are just a few highlights of your Crossfire tablet.

NOTES

This Guide assumes that you have basic experience using computers and Microsoft Windows.

In this guide, all information applies to all models unless otherwise noted.

ABOUT YOUR CROSSFIRE

Crossfire is a high-performance tablet PC that runs on Microsoft® Windows® operating systems.

PACKAGE CONTENTS

Check to make sure your package includes the following items:

- Crossfire Tablet Computer
- Battery Pack
- AC Adapter
- AC Adapter Cord
- Stylus
- Quick Start Guide
- Product Information Kit (Warranty & Safety)

MODEL	INPUT	CONTROL METHOD
Crossfire Pro	Finger Touch / Active Stylus (ProCAP & Digitizer)	Your finger and/or stylus (included with the tablet)
Crossfire Extreme	Finger or Passive Stylus (ProACP or Resistive)	Any suitable pointing device (passive stylus included with the tablet)

All Crossfire tablets have been engineered and tested to meet Military Standards for Environmental Extremes (MIL STD 810G). Your tablet includes the following features that make it exceptionally rugged and durable:

- Durable, long-lasting, magnesium enclosure
- Interior and exterior multi-layer magnesium frames and cavities
- Over-molded side bumper system
- Solid State Storage Media
- Removable Solid State Storage Media
- Integrated, protected wireless LAN and WAN antennas
- Locked in place memory, cables, and connectors
- Proprietary thermal management system

CONTACTING ENTEGRA

We're here to help.

Visit our web site - entegratec.com for Live Chat help, see video tutorials, or read our FAQ's, email us at help@entegratec.com or call toll free (800) 766-2026:

To troubleshoot problems (including wireless and GPS problems), before you call, read the FAQ page on the entegra web site. Go to http://entegratec.com; then select Support; then FAQ:

If you purchased your tablet from an authorized entegra dealer, contact the dealer for service and support.

If you purchased your tablet directly from entegra, use any of the following methods to contact us for service and support:.

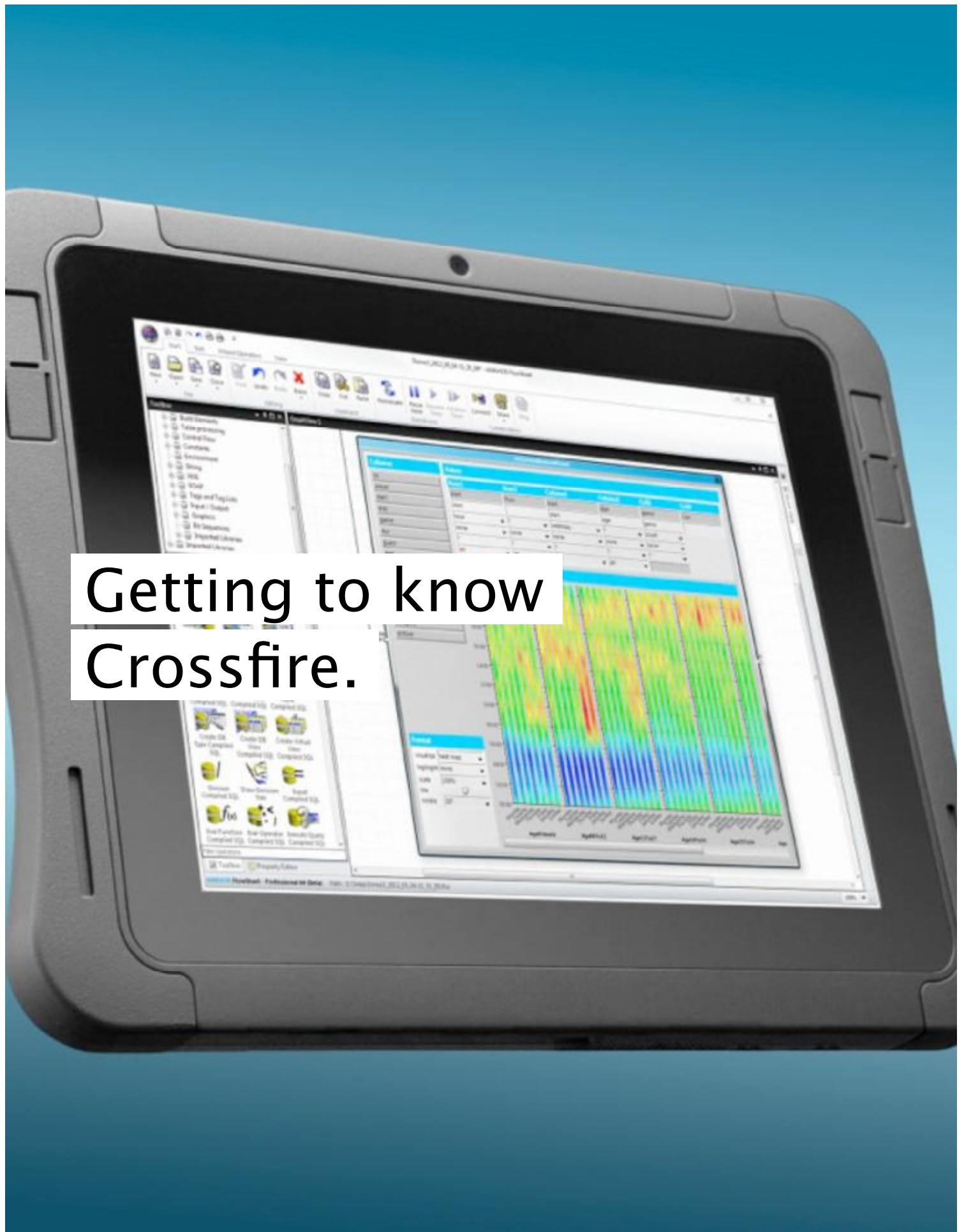| web site:	entegratec.com for Live Chat help or Video Tutorials
email:	help@entegratec.com
Toll Free:	(800) 766-2026

Before you contact support, have the following information ready so that the customer support representative can quickly provide a solution:

Product Name: Crossfire

Product Serial Number:

Purchase Date:

Conditions under which the problem occurred

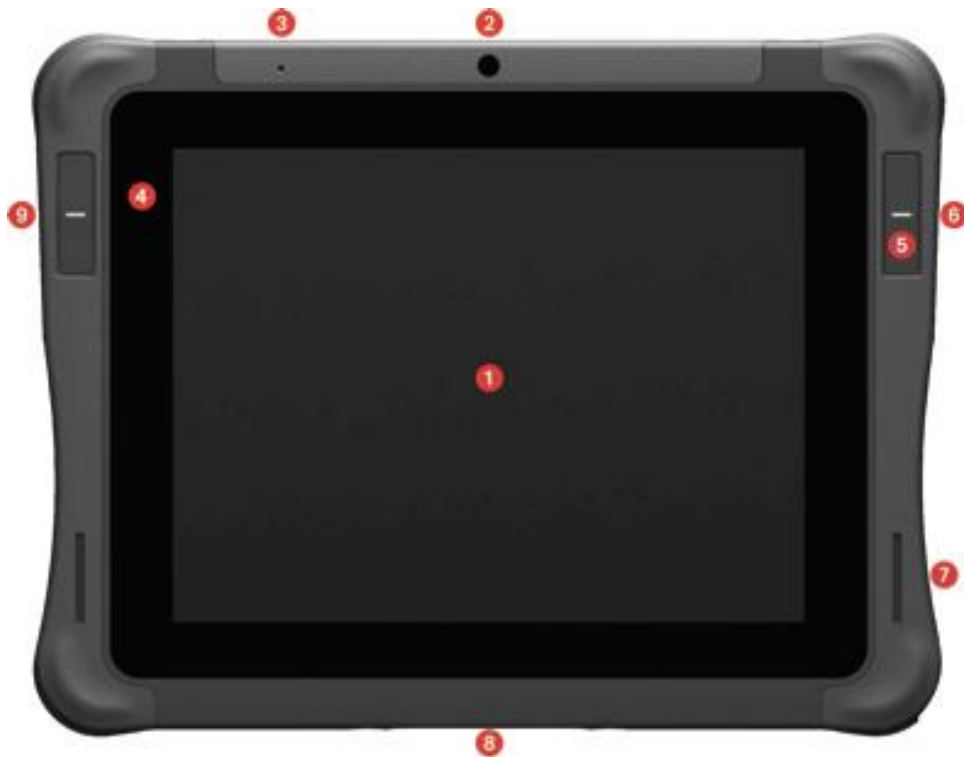Any error messages that were displayed

Type of device connected, if any

NOTE

The serial number is on the back of the tablet.

Getting to know Crossfire.
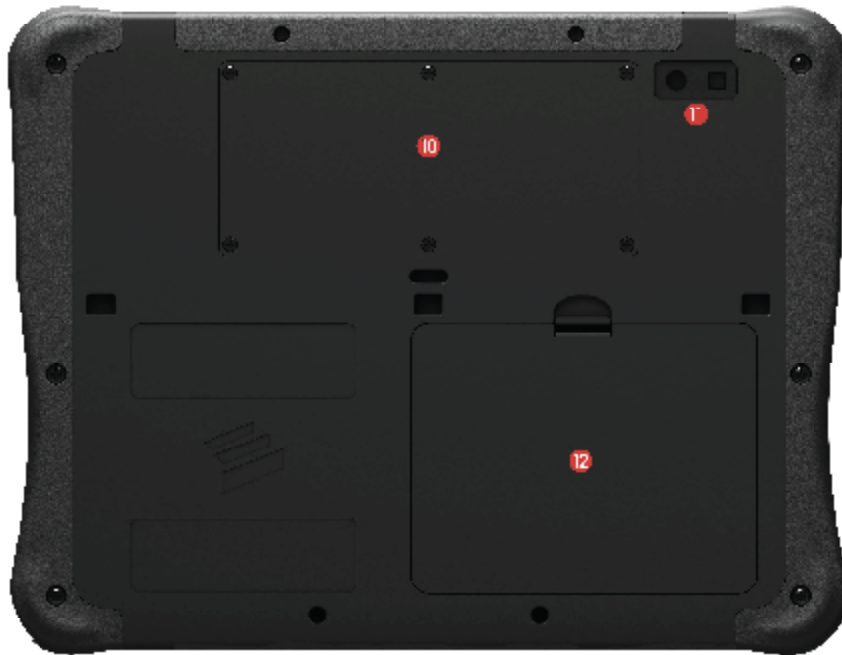
GETTING STARTED

This chapter gives you an overview of your tablet and includes a quick-start guide to key tablet items.

FRONT VIEW

1	9.7-inch XGA LCD with integrated Touch Screen and Digitizer
2	Front-facing Camera - allows you to use for applications like video conferencing
3	Microphone - enables you to input audio with noise cancellation
4	Light Sensor - detects ambient light conditions and helps optimize the display for best viewing in those conditions
5	2x Programmable Function Keys (L/R sides) - allows you to manually control the Crossfire functions or applications
6	Battery LED - indicates the status of the battery such as charging or fully charged
7	Speakers - enables you to listen to audio files
8	35-pin Docking Connector - for signal & power to docking stations
9	System LED - Indicates the status of the computer (on, off, etc)

BACK VIEW

10	Expansion Bay - lets you add expansion modules to your system for additional features (such as a Point of Sale Module)
11	Rear-facing Camera & Flash - allows you to take pictures or videos
12	Removable Battery Pack - enables you to replace a depleted battery with a freshly charge battery - NOTE: batteries can be hot swapped on the fly without interference to system operations

SIDE VIEWS

Left Side   **Right Side**

13   Power Button - to turn the system On/Off or put into sleep or hibernate modes

14   Reset Button - for resetting the system when other controls are not working

15   Headset Port - for plugging in 3.5 mm audio jack devices (such as headphones or speakers)

16   Power Port - provides access to connect the AC or DC power adapter to charge the system

17   Mini-HDMI Port - allows you to connect to HDMI monitors/screens for second display capabilities

18   USB Port - allows you to connect a wide variety of peripherals to your device (such as keyboards or mice)

19   Stylus - stylus is stowed with the computer - remove it to use when it is preferred over using your finger

Installing the Battery & Plugging in Power

Install the Battery by angling the bottom of the pack into the battery bay and tilting forward until it clicks in place

Power Port provides access to sources to charge the battery such as the AC Adapter

LED INDICATORS (Items 6 & 9 from Front View)

LEFT SIDE - SYSTEM STATUS

RIGHT SIDE - BATTERY STATUS

MODE/ STATE	LED STATE	MEANING
OFF	OFF	The tablet is powered down and in the OFF state
ON	SOLID GREEN	The tablet is powered ON and in the ON state
SLEEP MODE	BLINKING GREEN	The tablet is powered on and in the low-power SLEEP state

MODE/ STATE	LED STATE	MEANING
CHARGING	SOLID AMBER	Your tablet is charging the battery from an external power source such as AC Adapter or docking station
CHARGED	SOLID GREEN	Your tablet's battery is fully charged
LOW BATTERY	BLINKING RED	Your tablet's battery is nearing empty - time to change batteries or plug into an external power source (such as AC Adapter or docking station.)

Getting to know Crossfire.

USING CROSSFIRE

Setup and get going.

This chapter contains detailed instructions for using Crossfire.

To Install the Battery
START HERE

1. With your tablet display facing down towards the table locate the battery pack and battery bay.

2. Simply place the bottom of the battery pack into the battery bay. Then tilt the battery forward until it clicks into place. (Item #12)

3. You can now plug in the AC Adapter to charge the battery.

To Turn on the Tablet
START HERE

1. With your tablet OFF the left side LED status light will be black.

2. Make sure the battery is charged or that the computer is plugged in to an external power source as shown in the previous section.

3. Press the Power On/Off/Suspend/ Resume button and hold for 2 sec.

Turning off the tablet:

There are three ways to shut down your Tablet—you can it turn off completely, you can make it sleep, or you can hibernate.

If you don't plan to use your PC for a while, you might want to turn it off completely. Before turning off your PC, close all open desktop apps—this will prompt you to save your work.

START HERE   →

When the tablet is in Sleep mode, the Status LED is Blinking Green.	1. If the tablet is in Sleep mode, Press the Power Button for 2 seconds to resume operation. 2. Save your work and close any programs that may be running.

3. Some Windows configurations have a power button on the Start screen. If your tablet has a power button, tap or click it, and then tap or click Shut down.

4. If you don't see the power button on the Start screen, here's how to shut down:

    -   Swipe in from the right edge of the screen, and then tap Settings.

    -   Tap or click Power, and then tap or click Shut down.

    -   This is what the Power Button looks like

You can also select from one of the two other states - Sleep or Hibernate. A description of both are noted below.

Sleep - This state uses very little power, your tablet starts up faster, and you're instantly back to where you left off. You don't have to worry that you will lose your work because of your battery draining as Windows automatically saves all of your work and turns off the tablet if the battery is too low. Use sleep when you're going to be away from your tablet for just a little while – like when you're taking a coffee break.

To make your tablet Sleep:
1. Open Power Options by swiping in from the right edge of the screen, tapping Search entering Power Options in the search box, and tapping or clicking Power options.
2. Tap or click Choose what the power button does and under Power button settings, select Sleep and tap or click Save changes..
3. When you're ready to make your PC sleep, just press the power button on your tablet.

To make your tablet Wake Up:
1. Press and hold the Power button for 2 seconds The tablet will resume normal operation.
2. NOTE: Press the power button only one time.

Hibernate - Hibernate uses less power than sleep and when you start up the tablet again, you're back to where you left off (though not as fast as sleep). Use hibernation when you know that you won't use your tablet for an extended period and won't have an opportunity to charge the battery during that time. First check to see if this option is available on your tablet and if it is, turn it on.
1. Open Power Options by swiping in from the right edge of the screen, tapping Search, entering Power options in the search box, and tapping or clicking Power options.
2. Tap or click Choose what the power button does and under Shutdown settings, select Hibernate (if it's available).

Now you'll see hibernate in these two places:

In the Power menu in the Settings charm.

In the Shut down menu.

Using the Reset Switch:

START HERE   ➔

Use the Reset switch only if you cannot turn off the tablet by any other means because you may lose unsaved data.

1. If the tablet does not appear to be accepting input and you cannot turn it off by using methods described above, press the Reset switch.

- the Reset switch is located just below the power on/off button on the side of the tablet. #14

Using Your Finger and Stylus:

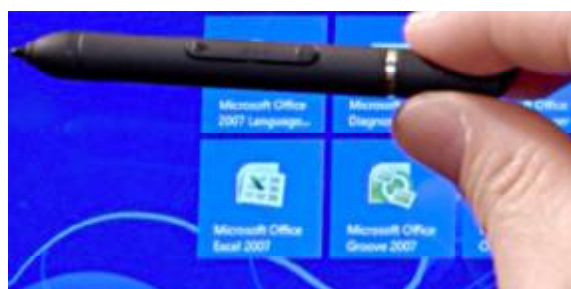**START HERE**   ➔

Your tablet uses both touch and stylus control. Finger-touch is quick and convenient, while stylus control provides pinpoint accuracy when needed.

With the tablet display facing you, the stylus is stored at the lower-right side of the tablet.

Using your finger, locate the catch on the stylus and pull it out slightly. Then pull the stylus out fully with your finger and thumb.

Note that the stylus has left and right mouse button controls on the barrel. Feel free to use these controls if you are more comfortable with traditional mouse actions rather than tap-and-hold gestures. More information below.

Toggle Mode for Finger/Stylus Switching:

START HERE → →

1. The default input mode uses both finger-touch and stylus inputs

2. A special stylus-only mode is available to disable finger-touch input when needed

3. To switch input modes, use the stylus or your finger to tap the input selector icon in the system tray (at the bottom of the screen)

4. Once this mode is activated, all finger touches to the display will be ignored.

- To restore dual-input mode use, simply tap the icon with the stylus.

- **Finger-touch input is quick and easy for most tasks.**
- **The stylus is ideal for marking CAD drawings, maps or other detailed documents.**

Using the Stylus to Perform Mouse Functions:

To Perform this function: →

Quick Functions	- Select an object (left mouse click)	Tap the stylus once on the object (like an icon)
	- Perform a double click	Quickly tap the stylus twice on the object
	- Move or drag an object	Place the stylus tip on the object, then continue to hold the stylus tip on the screen as you move the stylus.
	- Perform a right click	Hold the stylus directly on the object for 1 second. The right click menu appears OR Hold the stylus above the icon and click the button on the stylus (closest to the tip as shown below)

Note that the stylus has left and right mouse button controls on the barrel. Feel free to use these controls if you are more comfortable with traditional mouse actions rather than tap-and-hold gestures.

Adjusting the Speaker Volume:

Your Crossfire is equipped with stereo speakers. You can manually control audio volume levels with both onscreen (software) controls or onboard buttons.

To Manually Adjust Speaker Volume:

The speaker volume can also be manually controlled with system software. But for convenient manual control, Crossfire features onboard buttons.

-   With the tablet display facing you, the Volume buttons are located on the upper-left side of the comfort grip.

-   To increase the speaker volume, press the Up button. To lower the volume, press the Down button.

➔

Adjusting the Screen Brightness:

Your Crossfire features a light sensor that dynamically adjusts screen brightness according to ambient light levels.

To Manually Control Brightness:

The screen's brightness can also be manually controlled with system software. But for convenient manual control, Crossfire features onboard buttons.

With the tablet display facing you, the Brightness buttons are located on the upper-right side of the comfort grip.

To increase the screen's brightness, press the Up button. To lower the brightness, press the Down button.

➔

Connecting Devices:

To use external monitors, keyboards or external hard drives with your Crossfire, simply connect devices via your tablet's mini-HDMI port or the USB 2.0/3.0 port.

NOTE: There is a protective cover over the ports. To connect devices you will need to lift the door. There is a finger scoop to provide easy access about mid-way down on the side of the grip area.

START HERE   ➔   ➔

1. With the tablet display facing you, locate the Mini HDMI and USB ports on the right side of the tablet.

2. Then simply lift the hinged door and insert the Mini HDMI plug from your external video display.

3. To connect a peripheral device, insert the USB plug from your external device.

- **Your tablet's Mini-HDMI and USB port layout allows for simultaneous connection to external monitors and devices.**

To use external speakers or headphones with your Crossfire, simply connect devices via your tablet's 3.5mm audio port.

NOTE: There is a protective cover over the ports. To connect devices you will need to lift the door. There is a finger scoop to provide easy access about mid-way down on the side of the grip area.

START HERE   ➔

1. With the tablet display facing you, locate the 3.5mm audio port on the left side of the tablet.

2. Then simply lift the hinged door and insert the audio plug from your speakers or headphones.

Hot Swapping the Battery

To Swap a depleted battery for a charged battery:

Your Crossfire features hot-swap battery technology. That means you can change batteries on the fly, without having to power down the tablet.

– To hot-swap the battery, simply turn your tablet over and press down on the battery clip. When the clip releases, tilt the battery back and lift it from the battery bay.

– Next, angle the bottom of a fresh battery into the battery bay and tilt it forward until it clicks in place.

➔

- To check the status of an uninstalled battery, turn it over and press the charge indicator button. A series of LED lights will visually indicate the amount of charge remaining in the battery.

- Caution: Do not hot-swap your tablet's battery in any area possibly exposed to volatile gases or particles.
Move your tablet to an area free of potentially flammable gases or particle to swap the battery.

- Discarding Batteries: Dispose of batteries in accordance with your local government regulations. Under federal, state, or local law, it may be illegal to put batteries in the trash. Contact your system administrator, municipal waste disposal department/provider for more information.

Using the Cameras

	Using the Front Camera	**Using the Rear Camera**

Your Crossfire is equipped with two cameras. One facing you and one facing out the back of the unit. Details are noted below.

– The front camera is commonly used for visual communication such as video conferencing.

– This is a 2 mega pixel camera

- The rear camera is commonly used for visual documentation, or simply taking Photos.

- This is a 5 mega pixel camera.

- To capture images in Windows 8.1 see the instructions below.

Open the Camera App (Applies to Windows 8.1)

There are a few different ways to open the Camera app. If you're on Start, you can use the tile. If you're using other apps or are on the desktop, you can search for the app and open it from the search results.

If You're on Start

- Tap or click the Camera tile.

If you're using another app or the desktop

- Swipe in from the right edge of the screen, and then tap Search. (If you're using a mouse, point to the lower-right corner of the screen, move the mouse pointer up, and then click Search.)

- Enter Camera in the search box, and then tap or click Camera in the results.

To Take a Photo

- In the Camera app, tap or click the Photo button .
- If you want to see the photo, drag the screen to the right or click the left arrow.

To Take a Video

- In the Camera app, tap or click the Video button '■◀ to start recording. Tap or click it again to stop recording.
- If you want to see the video, drag the screen to the right or click the left arrow.

To Switch to a Different Camera- You can switch cameras before taking a photo or video.

- Open the Camera app.

- Swipe in from the bottom edge to see the app commands. (If you're using a mouse, right-click within the app.)

- Tap or click the Change camera button.

We know that you may have a personal preference for which kind of Camera application you may use to take images with your Crossfire. If you prefer to use a different app than what has been shown above please follow the link to th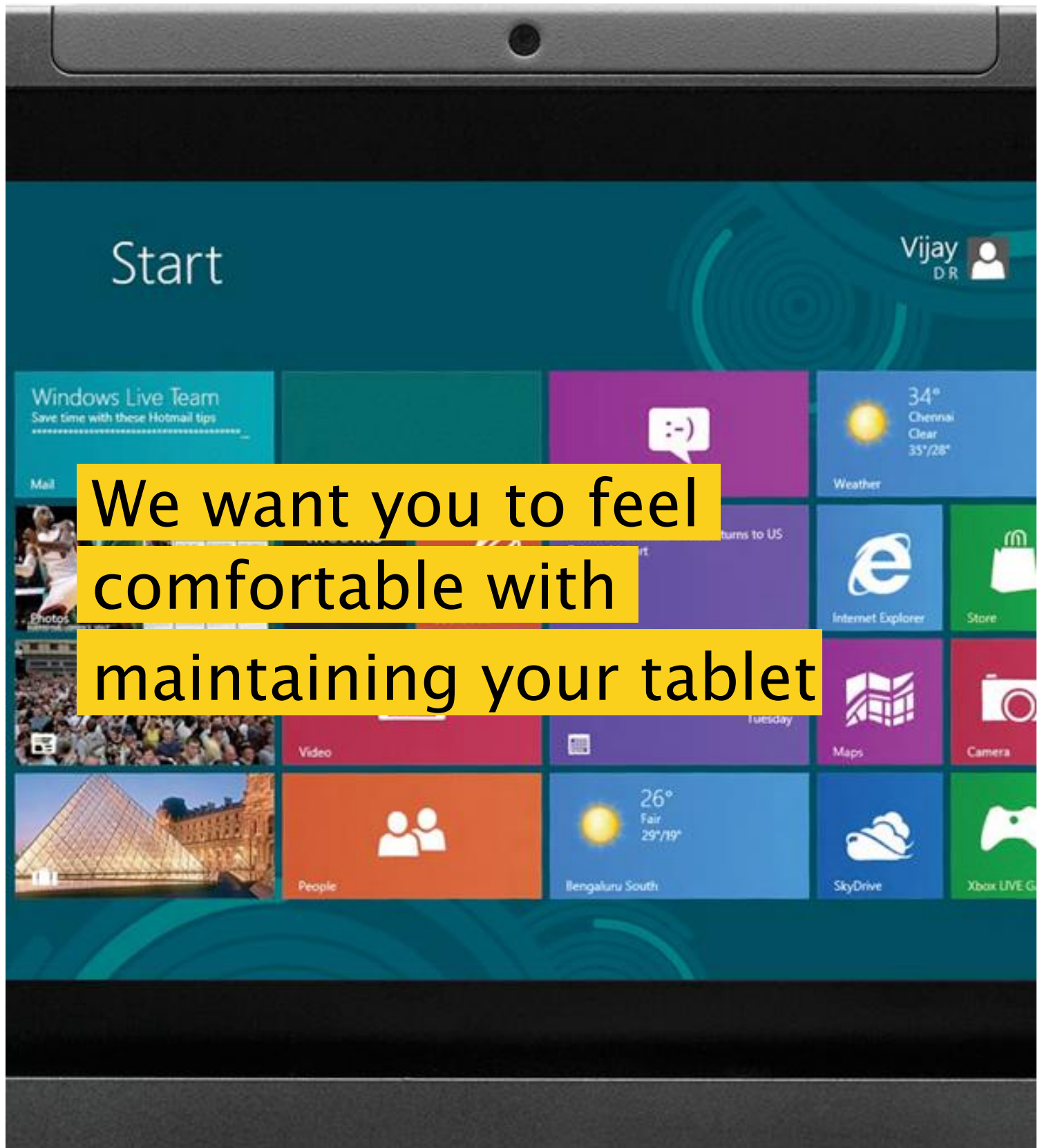e Windows App store (US) to locate an app of your choice: http://windows.microsoft.com/en-us/windows/search#q=camera+app&s=Store

HELPFUL HINTS

Tap, swipe & more.

If you want to know what we mean when we mention swiping, tapping, or other ways of interacting with Windows when you're using a touchscreen, take a look at this section.

The touchscreen is the simplest way to interact with your Crossfire. The table below shows you common "gestures" you may use while working with Windows 8. If you are familiar with tablet & touchscreen use you may skip forward.

What we say		How to do it	What it does
Tap		Tap once on an item.	Opens, selects, or activates whatever you tap. Similar to clicking with a mouse.
Press & Hold		Press your finger down and hold for about a second.	Shows info to help you learn more about an item or opens a menu specific to what you're doing. For example, press and hold a tile on the Start screen to rearrange, resize, or pin it. Only works for some items. Similar to right clicking with a mouse.
Pinch or Stretch to Zoom		Touch the screen or an item with two or more fingers, and then move the fingers toward each other (pinch) or away from each other (stretch).	Visually zooms in or out, like with pictures or maps. A good place to explore this is the Start screen.
Slide to Scroll		Drag your finger on the screen.	Moves through what's on the screen. Similar to scrolling with a mouse.
Slide or Swipe from the edge		Starting on the edge, either swipe your finger quickly or slide across the screen without lifting your finger.	- Open the charms (Search, Share, Start, Devices, Settings). Swipe in from the right edge. - Open a recently used app. Swipe in from the left edge. Keep swiping to switch between all of your recently used apps. - Close an app. Slide down from the top edge without lifting your finger, and then drag the app to the bottom of the screen.
Rotate		Put two or more fingers on an item and then turn your hand.	Rotates items in the direction you turn your hand. Only some items can be rotated.

We want you to feel comfortable with maintaining your tablet

MAINTENANCE

Caring for your tablet.

This section provides instructions and information for about how to keep your Crossfire in top working condition.

Checking power cords and connectors.

Check AC and DC power cords and power connectors periodically for damage. Replace the power cord immediately if you find any damage.

Protecting the computer from damage.

- Your computer is designed to sustain a multiple-axis drop to a non-yielding surface. Do not intentionally drop the computer, because the cumulative effects of multiple drops may damage the computer over time.

- Do not place heavy objects on the computer.

- Do not disassemble the computer.

- Keep the computer at least 5 inches (13 centimeters) away from any electrical appliance that generates a strong magnetic field, such as a motor, magnet, TV, refrigerator, or large audio speakers.

Protecting the computer from overheating

The computer monitors its internal temperature. As the internal temperature approaches the tolerable limits of heat-sensitive components, system functions are automatically limited or turned off to prevent damage.

To prevent the computer from overheating, do not leave it running for long periods of time in direct sun or in areas where the temperature is above 120ºF or 48ºC.

Storing the computer

You can store the computer in the Off state for about 30 days with a fully charged battery installed. After this period, recharge the battery or replace it with a charged battery.

If you intend to store the computer for more than 30 days, remove the battery pack and keep it in a cool place.

Caring for the display

To clean the display screen, dampen a soft cotton cloth with water and gently wipe the screen surface.

Protecting the display

The screen is made from a durable, tempered glass and can withstand significant pressure. However, it's best to try to not place hard items directly against the display.

When to replace the pen or pen tip

With use, the pen tip may become worn and can scratch the screen. If your pen exhibits one of the following problems, replace the pen:

- The pen does not move freely across the screen.

- The pen does not perform as expected

Calibrating the digitizer

Calibrating the digitizer adjusts the cursor position on the screen relative to the position of the pen tip or finger. Calibrate the digitizer to adjust the distance error between where the pen or finger is actually touching the screen and where the computer is registering the pen or finger touch.

You may need to calibrate the digitizer in the following situations:

- You are using the computer for the first time.

- The previous user of the computer writes with the opposite hand or at a different pen angle.

- The computer has not been used for some time.

- The computer has been serviced.

To see video tutorials click on the link on your desktop or visit entegratec.com/support for additional video instructions.

TROUBLESHOOTING

Simple solutions

This section contains solutions to some problems. If you cannot solve the problem by taking the actions described, contact your local help desk, your reseller or entegra for further assistance.

Problem	Possible cause and solution
Computer will not start	- The battery may be defective or discharged to a critically low level. Connect an external power supply (such as the AC adapter) or install a charged battery. See "Installing the battery" on page 12.
	- Internal components may be above or below the acceptable operating range (below -10° C or above 50° C). After the temperature returns to safe operating range the computer will start.
The computer will not resume operation after being suspended.	- The battery may be defective or discharged to a critically low level. When the battery reaches a critically low level, the computer is forced into Suspend- to-RAM mode to avoid a total system power failure. Connect an external power supply (such as the AC adapter) or install a charged battery. See "Hot swapping the battery" on page 18.
	- The computer may be at the critical thermal limit. To avoid damage to heat-sensitive components, the computer enters Suspend-to-RAM mode when the computer operates above 50° C. Operation automatically resumes when the computer cools to below 50°C. Move the computer to a cooler location.
The Battery Status LED is red, continuous.	- The computer is on, running under battery power, and the charge level in the battery has reached a critical level. Plug the computer into an AC/DC power source or install a charged battery.
	- The system has encountered a fault and is preventing normal operation. Contact your local help desk.
The Battery Status LED is red, blinking.	- The computer is powered on, running under battery power, and the charge level in the battery is at a minimum warning level. Plug the computer into an AC/DC power source or install a charged battery.
The screen is blank or difficult to read	- Confirm that the computer is ON (the System Status indicator should be lit)
	- The brightness may be set too low, causing the screen to appear too dark. To change screen brightness, press the onboard up button (right side) to adjust the brightness. (See page 16.)
	- The video time-out may have expired. Tap the display screen to reactivate the display.
	- Note: This is a normal, power-saving feature.
	- If the System Status light is blinking green, the computer is in Sleep mode because the temperature is below -10° C or above 50° C. When the temperature returns to a safe operating range, the display screen automatically comes back on. If possible, move the computer to a warmer or cooler location.

My second display is not showing full screen.	- See the video - HDMI and Pen Calibration Helpful Hints to set up your external monitor for extend mode. Or as written below:
	
	  - Select Control, then Hardware and Sound
	  - Select Display, then Project to a Second Screen
	  - Select Extend

Cursor is not tracking the pen when I am connected to an external display.	- See the video - HDMI and Pen Calibration Helpful Hints to calibrate the digitizer when using a second display. Or as written below:
	
	- After setting the external display to Extend you should follow these steps to calibrate the digitizer:
	
	  - From Control Panel, Select Hardware and Sound
	  - Select Tablet PC Settings
	  - Select the Setup button
	  - Then follow the onscreen instructions

Computer is not responding to the stylus or my finger.	- Connect an external USB keyboard to the computer. If the computer does not respond to the external keyboard, the application or operating system may have been corrupted. - Press the Reset key. (See page 14.) - If the system responds to a keyboard but not to the pen, contact your local help desk, reseller or entegra for further assistance.
Headphone or speaker volume is too low.	- The volume may be in Mute mode or set too low. To change audio levels, press the onboard button (left side) to adjust the volume. (See page 16.) - Make sure the volume control in your audio software is set to an audible level or uncheck the Mute box on the onscreen control in the System Tray at the bottom of the screen.
An external device is not working with the computer	- The device driver may not be installed or installed incorrectly. Unplug the device and try connecting it again. Often the operating system can resolve these issues this way or by restarting the computer. - If it is a Bluetooth device, ensure that it is on and paired to the tablet. To see how to connect a Bluetooth device watch our video tutorial "Connecting Devices." This video can be found on your desktop or on our website: entegratec.com/#support

My onboard buttons don't control the volume or brightness	- The buttons (also known as PFK's - programmable function keys) are controlled via an integrated application. The default settings are:
	
	  - Left Side: PFK1 (top) Volume Up, PFK2 (bottom) Volume Down
	  - Right Side: PFK3 (top) Brightness Up, PFK4 (bottom) Brightness Down
	
	- Your system administrator may have set them to perform other functions via this application. Check with them as to the setting - such as launching a specific application, etc.
	
	- You can find this application in the System Tray - indicated by the "E" icon. Tap and hold to bring up the menu, then select settings.

The onboard buttons switched my screen when I pressed them together	- Don't worry this is supposed to happen. To restore your screen follow the directions below:
	
	  - Rotate Clockwise: Press and hold PFK1, then press PFK4
	  - Rotate Counter-Clockwise: Press and hold PFK2 , then press PFK3
	
	- Hint: You can go all the way around or press the alternate pattern to go back 1 step.

GLOSSARY

Common terms used.

To keep you familiar with common technical terms we may used in this manual the glossary is provided below.

TERM	DEFINITION
Adapter	A device that provides an interface between two dissimilar electronic devices. For example, the AC adapter modifies the power from a wall outlet for use by the computer.
Alternating Current	Electric current that reverses its direction of flow at regular intervals.
Application	A program that performs specific tasks on your computer, such as word processing or creating spreadsheets.
Boot	To load a program or operating system into system memory.
Bits Per Second	In serial transmission, the instantaneous bit speed with which a device or channel transmits a character.
Compatibility	1. The ability of one computer to accept and process data in the same method as another computer without modifying the data or the media upon which it is being transferred. 2. The ability of one device to connect or communicate with another system or component.
Computer On Module (COM)	This is an industry standard computer architecture supported by companies such as Intel®. Crossfire employs this standard to allow for future system expansion for different types of CPU's to be deployed with an organization.
Configuration	The specific combination of hardware components of the computer, and their operating status. The configuration of your computer includes pre-defined memory, type and speed of microprocessor, type of and size of storage, etc.
Default	The preset parameter value automatically selected by the computer when you or a program do not provide instructions.
Device Driver	A program that controls communication between a specific peripheral device (such as a printer or the pen/stylus) and the computer.
Display	An image-producing device used to view computer output.
Expansion Bay	An area on the back of Crossfire that allows for additional system expansion to support specific workflows or computing tasks
Hardware	The physical electronic and mechanical components of a computer system. typically, the computer itself, CPU, memory, etc.

TERM	DEFINITION
Interface	1. Hardware and/or software components used specifically to connect one computer or device to another. 2. To physically connect one system or device to another to exchange information. 3. The point of contact between user, the computer, and the program (for example, the pen/stylus or a menu).
Light Emitting Diode (LED)	A semiconductor device that emits light when a current is applied.
Modularity	We use the term Modularity to define characteristics of Crossfire that support specific changeable functions such as: CPU via the Computer on Module Board, I/O ports, expansion bay. Modularity is what permits Crossfire to grow with your ever expanding needs as you use it everyday.
Pen	See *stylus*
Peripheral Device	An input/output device that is external to the computer such as a keyboard or bar code scanner
Pixel	Picture elements (tiny dots) that compose a screen image.
PFK	An acronym for Programmable Function Key (also referred to as onboard buttons). The keys have default values, but can be changed to perform different functions using the entegra services application found in the System Tray at the bottom of the screen.
Port	The electrical connection through which the computer sends and receives data to and from devices or other computers.
Program	A set of instructions a computer can execute to tell the system what to do and how to do it. Sometimes also referred to as an *Application*.
Random Access Memory (RAM).	A hardware component of your computer that temporarily stores active program code and data.
Reset	The act of hard stopping/shutting down the operating system.
Resolution	The number of pixels displayed on the screen. A higher resolution provides greater clarity and allows more information to be displayed on the screen at once.
Restart	Resetting a computer without turning it off (also called warm boot or soft reset).
Resume	The act of returning the computer to an active, operational state.
Solid State Drive	A data storage device that uses solid-state memory to store persistent data.
Status Indicator (LED)	A light which indicates the current status of the computer or hardware component.
Stylus	A writing / pointing instrument for pen computers, the stylus is used to interface with the display and digitizer
Subscriber Identity Module (SIM)	A smart card inside a GSM (Global System for Mobile communications) cellular device that encrypts voice and data transmissions and stores data about the specific user so that the user can be identified and authenticated by the network supplying the phone service. A SIM can be moved from one device to another and/or different SIMS can be inserted into any GSM radio.
Suspend Mode	A power conservation mode in which electrical current is removed from most components of the computer.
Universal Serial Bus (USB)	A serial interface that enables communication between devices and the computer.

AGENCY NOTICES

The legal stuff

FCC Notices

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.

Modifications not expressly approved by entegra technologies inc. could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure

Tests for SAR are conducted using standard operating positions specified by the FCC with the tablet transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the tablet while operating can be well below the maximum value. This is because the tablet PC is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a tablet model is available for sale to the public, it must be tested and certified to the FCC and IC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., worn on the body) as required by the FCC for each model. (Body-worn measurements may differ among tablet models, depending upon available accessories and FCC and IC requirements). While there may be differences between the SAR levels of various tablets and at various positions, they all meet the government requirement for safe exposure.

This device was evaluated and shown to comply with FCC SAR guidelines.

Exposure to Radio Frequency (RF) Signals

Your wireless tablet is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government as well as the RTT&E directive. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1-1992
- National Council on Radiation Protection and Measurement (NCRP). Report 86. 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996
- Ministry of Health (Canada), Safety Code 6. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.
- European Union RTT&E Directive for SAR

The exposure standard for wireless mobile tablets employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. The SAR limit set by the RTT&E is 2.0W/kg

DOC (Industry Canada Notices)
Notice to Users of Radio and Television

This Class B digital apparatus meets all requirements of Canadian Interference-Causing Equipment Regulations per the ICES-003 CET appareil numérique de la class B respecte toutes les exigence du Réglement sur le matérial brouilleur du Canada.

Notice to Users of Radio and Television

This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada

technical specifications were met. It does not imply that Industry Canada approved the equipment.

Before connecting this equipment to a telephone line the user should ensure that it is permissible to connect this equipment to the local telecommunication facilities. The user should be aware that compliance with the certification standards does not prevent service degradation in some situations.

Repairs to telecommunication equipment should be made by a Canadian authorized maintenance facility. Any repairs or alterations not expressly approved by entegra or any equipment failures may give the telecommunication company cause to request the user to disconnect the equipment from the telephone line.

Notice: The Ringer Equivalence Number (REN) for this terminal equipment is 0.0. The REN assigned to each terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five.

UL Notice

This unit requires an AC adapter to operate. Use only UL Listed Class 2 Adapters with an output rating of 12 VDC, with a current of 5A.

AC Adapter output polarity:

WARNING

For continued protection against risk of fire, replace only with the same type and rating fuse.

WARNING

Danger of explosion if Lithium (clock) battery is incorrectly replaced. Replace only with the same equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instruction.

System Disposal

In the event of system disposal, observe procedures and information regarding proper procedures in your area.

The liquid crystal display (LCD) lamps used in this system contains mercury.

In the event of system disposal, be sure to follow local guidelines.

Declaration of Conformity

DECLARATION OF CONFORMITY according to FCC Part 15, IC ICES-003, and RTT&E directives.

Responsible Party Name: entegra technologies inc.
Address: 6500 Pinecrest Drive, Suite 500, Plano, Texas 75024
Telephone: (800) 766-2026

Declares that product: Model Series: 940-10-972 complies with Part 15 of the FCC Rules.

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.

WARNING

Changes or modifications to this unit not expressly approved by the party responsible for compliance may void the user's authority to operate this equipment.

More information about FCC, IC, and EU rules and their applicability to this model are included in this section.

NOTES