

GETTING STARTED



Interwrite™ Panel

for Windows and the Mac



We at Interwrite Learning™ are proud of our family of Interwrite products. We strive to continue to bring you the best the technology has to offer. We urge you to visit our Web site, where we will post the latest information regarding any updates and changes we have made that would impact the instructions in this *Getting Started* document.

www.InterwriteLearning.com

Click on any of the Interwrite Learning products to access product information, software downloads, documentation, and training information.



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Interwrite™ Panel

Product Overview

The Interwrite Panel is an LCD tablet. The electronic Interwrite Pen controls the cursor and writes and draws directly on the Interwrite Panel screen. When used in conjunction with a video projector, the Interwrite Panel's screen image displays onto an Interwrite™ Board, a standard whiteboard, or any projection surface, and the interaction with the desktop can be seen by everyone in the room. This addition to the Interwrite family of products, which includes Interwrite™ Boards and Interwrite™ Pads, expands the interactive opportunities of the Interwrite system for both the class room and the board room.

About This Guide

This *Getting Started Guide* describes how to assemble the Interwrite Pen, install the Interwrite Workspace software, set up and connect the Interwrite Panel, and calibrate the Interwrite Panel. It ends with a brief overview of the Interwrite Workspace software.

About Interactive Mode

Interactive Mode is the operational mode of the Interwrite Workspace software that allows you to take advantage of the full power and robust features of the Interwrite system. The Interwrite Panel is an input device to the computer, similar to the Interwrite Boards and Interwrite Pads. It allows you to annotate captured screen images and a variety of page types in Annotation Mode, and to run applications and browse the Internet in Mouse Mode. Everything done on the Interwrite Panel screen can be seen on the projection surface, via an attached video projector. Anyone at the Interwrite Board, or using an Interwrite Pad can interact with the presentation and participate actively in the collaborative experience.

Installation Overview

This section describes what you will be doing and the order in which you will be doing it, to facilitate the setup of your Interwrite Panel and Interwrite Pens and their preparation for use.

1. Unpack Your Interwrite Panel

The package includes the Interwrite Panel and an Accessory Box. The Accessory Box contains:

- VGA Cable
- AC Adapter
- Power Cable
- USB Cable
- Audio Cable
- 2 Interwrite Pens
- 2 AAA Batteries
- Interwrite Learning™ CD
- *Interwrite™ Panel Getting Started Guide* (this booklet)

If any item is missing or damaged, please contact your dealer immediately. A plastic covering is taped to the Interwrite Panel screen to protect it during shipping. We recommend you leave the protective plastic in place until you have completed your Interwrite Panel installation. It is easily removed by pulling on the tape tabs.

2. Assemble the Interwrite Pens

Each Interwrite Pen is powered by one AAA alkaline battery.

3. Install the Interwrite Workspace Software

4. Setup and Connect Your Interwrite Panel

The Interwrite Panel can be set up as a free-standing monitor on a desk or table, or it can be installed in a podium. Your Interwrite Panel is connected to your computer with both the VGA cable and the USB cable. It is connected to a power source with the AC Adapter and Power cable.

5. Calibrate the Interwrite Panel Screen

**Note**

The Interwrite Pen works best when it is held at a 90° angle to the Interwrite Panel screen.

Assemble the Interwrite Pens

The Interwrite Pen is an electronic pen that sends positional signals to the Interwrite Panel's electromagnetic digitizer to control cursor movement. The two buttons on the black Pen barrel provide additional mouse-like cursor control. The lower button, the one closest to the Pen Tip, acts as a double-click when you press it. The upper button provides right-click capability.

Replace Pen Battery

The Interwrite Pen is powered by a single AAA battery. The following instructions describe how to insert the batteries that shipped with the Pens.

- 1 Unscrew the Pen, separating the black end with the Pen Tip from the silver barrel. If needed, remove and dispose the old battery.
- 2 Insert a AAA battery into the silver cradle with the positive pole (the + end with the protruding button) pointing toward the Pen Tip.
- 3 When the battery is in place, screw the two Pen halves back together.

Each Interwrite Pen comes with two replacement Pen Tips. Pull out the used Tip and snap a replacement Tip into place in the end of the Pen barrel.

Store the Interwrite Pen in the Pen Holder on the back of the Interwrite Panel.

Turning the Pen On and Off

Press the button on the top of the pen to turn the Interwrite Pen on and off.

On-Off
Switch

Right-
Click

Double-
Click

Pen
Tip




Installing the Interwrite Workspace Software on Windows

The Interwrite Workspace software must be installed on Windows by a user with *Administrator* privileges. Interwrite Workspace is compatible with Windows 2000, XP, and Vista.

Note


If you are using Windows 98/Me/NT, you must use Interwrite Workspace version 5.0. For more information, contact Technical Support to order an installation CD.

- 1 Log in as *Administrator*. Insert the Interwrite Learning CD into the CD drive on your PC. The installer will autoload. If it doesn't, click the **Start** button on the Windows Task Bar and select *Run* from the menu. Type `X:\setup.exe` (X represents the CD drive letter).
- 2 Select the *Install Interwrite Workspace Software* menu option.
- 3 Follow the onscreen instructions for the software installation. You will know Interwrite Workspace has installed successfully by the appearance of the Interwrite Workspace icon in the System Tray on the Windows Task Bar. If the icon does not appear, restart your computer.

The appearance of the Interwrite Workspace icon  on the Task Bar indicates that the InterWrite **Device Manager** is now running on your PC. Click on the Workspace icon to display the options on the Device Manager Menu shown here. Device Manager, in addition to managing the Interwrite hardware devices, provides direct access to the three operational modes of the Interwrite Workspace software.




Note

Click the Interwrite Workspace icon  in the System Tray of the Windows Task Bar to display the Device Manager Menu. Select the *Check for Updates* option. If a new version of Workspace is available, download it now. You should periodically check for updates.

Installing the Interwrite Workspace Software on the Mac


The Interwrite Workspace software must be installed on the Mac by a user with *Admin* privileges. Interwrite is compatible with Mac OS X version 10.4 or higher.

- 1 Insert the Interwrite Learning CD into the CD-ROM drive on your Mac. An Interwrite Workspace CD icon will appear on your desktop.
- 2 Double-click the Interwrite icon on the desktop to display the CD's contents. Double-click the **Install Interwrite** icon.
- 3 Follow the onscreen instructions for the software installation.

The appearance of the Interwrite Workspace icon  on the Menubar indicates that the **Device Manager** is now running on your Mac. It will load and run in the background every time you start up your Mac. Click on the Interwrite Workspace icon to display the options on the Device Manager Menu, shown here. Device Manager, in addition to managing the Interwrite hardware devices, provides direct access to the two operational modes of Interwrite Workspace on the Mac.



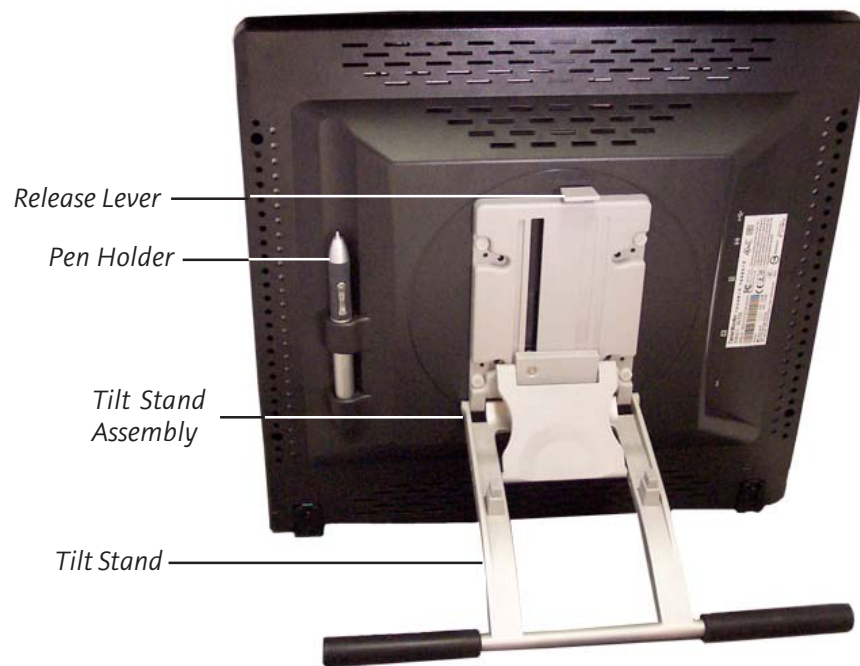
Note

Click the Interwrite Workspace icon  on the Menubar to display the Device Manager Menu. Select the **Check for Updates** option. If a new version of Interwrite Workspace is available, download it now. You should periodically check for updates.

Set Up and Connect Your Interwrite Panel

Tilt Stand Setup

When you remove the Interwrite Panel from its shipping box, the **Tilt Stand** is pointing toward the top of the Interwrite Panel. Pull up on the **Release Lever** and swing the Tilt Stand down to its normal operating position with the buttons on the front of the Interwrite Panel located at the top of the monitor and the Interwrite Panel logo at the bottom. Use the Release Lever to adjust the Tilt Stand to the tilt position you prefer.



Connecting the Interwrite Panel

Familiarize yourself with the connectors on the back of the Interwrite Panel and refer to the graphic here.


- 1 Power off your computer.
- 2 Plug the power cord into the AC Adapter. Plug the AC Adapter into the **DC Jack** power connector on the Interwrite Panel. Plug the power cord into a standard 110V socket.

Note

If you want to use the Video Out capability of the Interwrite Panel, you must use the VGA connection.


- 3 Plug one end of the 15-pin VGA cable into the **VGA IN** connector on the Interwrite Panel. Plug the other end of the VGA cable into the VGA port on the back of your computer. Secure both connectors by tightening the screws on either side of the connector plug.
- 4 If you want to connect your projector or another monitor to the Interwrite Panel, plug the VGA Cable from the video projector or the monitor into the **VGA OUT** connector.
- 5 To connect outside speakers to the monitor, plug the speaker cable into the **Speaker OUT** connector.



- 5 Plug one end of the USB cable into the USB port on the Interwrite Panel. Plug the other end into one of the USB ports  on your computer or USB hub. The operating system will auto-detect and configure the new hardware device.

Note

The VGA connection establishes your Interwrite Panel as a monitor. The USB connection allows the Interwrite Workspace software to recognize the Interwrite Panel as a digitizer.

- 6 Power on your computer.
- 7 Turn on your Interwrite Panel by pressing the Power button  located on the front of the monitor.





The Interwrite Panel Control Panel

The **Control Panel** is located at the top of the Interwrite Panel in the left corner on the front of the monitor. It consists of control keys that, in addition to powering the Interwrite Panel on and off, are used to interact with the OnScreen Display, or *OSD*. The control keys include: the **Left Arrow** key, the **Right Arrow** key, the **Menu** key, the **Auto Select** key, and the **Power** key.

Power

The **Power** key turns the Interwrite Panel On and Off. The LED indicator at the far right end of the Control Panel will appear orange when the Interwrite Panel has no signal or is in Standby Mode. When the Interwrite Panel is in Working Mode, the LED will appear green. There will be no color when the power is off.

Menu

Press the **Menu** key to display the OSD menu. The OSD menu provides options for controlling Brightness, Contrast, Picture Alignment, etc. (See *Appendix A* for details.) When the OSD menu is active, the Menu key functions as the *Confirm* key for each action.

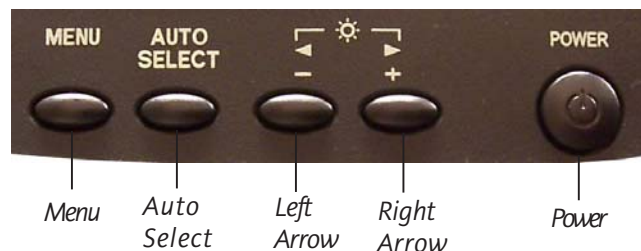
Left and Right Arrow

When the OSD menu is active, the **left arrow** key moves the selector to the left. When the OSD menu is off, the **right arrow** is used to change input between channel 1 and channel 2. When the OSD menu is active, the right arrow key moves the selector to the right.

Auto Select

Press the **Auto Select** key to reset the Interwrite Panel to factory default settings. When the OnScreen Display menu is active, use the **Auto Select** key to close the OSD menu.

Control Panel







Calibrating the Screen

If the tip of the Interwrite Pen does not line up with the cursor on the Interwrite Panel screen, you can calibrate the Interwrite Panel to ensure pen tip/cursor alignment.

Windows

- 1 Click on the **Interwrite Workspace** icon  in the System Tray on the Windows Task Bar to display the **Device Manager** menu.
- 2 Select the *Devices* option from the menu.
- 3 Select the Interwrite Panel from the list of **Recognized Devices** and click on the **Properties** button.
- 4 Click on the **Calibrate** button.

Mac

- 1 Click on the **Interwrite Workspace** icon  on the Menubar to display the **Device Manager** menu.
- 2 Select the *Calibrate...* menu option.

Windows and Mac

A bright blue screen with a white calibration point in the upper left corner will appear on the Interwrite Panel.

- 1 Using the Interwrite Pen, click on each calibration point as it appears in each of the four corners of the screen.

When calibration is completed, the blue screen will disappear. You should only have to calibrate the Interwrite Panel once.



Troubleshooting Your Interwrite Panel

Device Manager is a component of the Interwrite Workspace software you installed. Its function is to manage the Interwrite hardware devices (Interwrite Boards, Interwrite Pads, and the Interwrite Panel) and their connections to the computer and to the Interwrite Workspace software. When an Interwrite hardware device, such as the Interwrite Panel, is properly connected, it will show up in the *Devices* dialog, selected from the Device Manager menu. To access the menu, click on the Interwrite Workspace icon (in the System Tray on the Windows Task Bar, or on the Mac Menubar).

If the Interwrite Panel is not working correctly, check the following:

- ✓ If the LED is neither orange nor green, the Interwrite Panel is not powered on. Press the **Power** button on the Interwrite Panel Control Panel. If the LED does not light up, check your power connections at the DC Jack on the back of the Interwrite Panel, the AC Adapter and the wall plug or power strip.
- ✓ If there is power, but no picture, check the VGA cable connections (or DVI connections, if you are not using VGA) at the back of the Interwrite Panel (VGA IN) and on the computer.
- ✓ If the Interwrite Panel does not show up in Device Manager's *Devices* list, verify that the USB cable is properly connected to the USB port on the back of the Interwrite Panel and to a USB port, or USB hub, on your computer. Unplug the USB cable from the USB port, wait five seconds, and plug it back in. If you have more than one USB port on your computer, try plugging the USB cable into a different port.

Getting Started with Interwrite Workspace

The purpose of this document is to give you a feel for the Interwrite system by showing you how to select and use a tool in **Interactive Mode**. The **Annotation Tools** of **Interactive Mode** consist of freehand tools, text tools and drawing tools. Of the freehand tools, the **Pen** tool is the most frequently used Interwrite Workspace Tool. The following pages describe how to select and configure the **Pen** tool.

The Interwrite system is at the heart of a successful interactive collaboration, whether it is in a classroom of fourth graders studying world geography, or in a boardroom of corporate executives brainstorming a new product launch. All the tools you will need to stimulate inspiration, connection and participation can be found in the Interwrite Workspace software. Here's a quick look at the Workspace basics to get you started.

Workspace Modes

Interwrite Workspace is run in one of three operational modes, **Interactive Mode**, **Office Mode** (Windows only), or **Whiteboard Mode**.

Workspace Tools have been categorized as **Annotation Tools**, **Editing Tools**, **Page Tools**, **Presentation Tools**, **Multimedia Tools**, **Navigation Tools**, **File Management Tools**, and **Setup Tools**. The Interwrite Workspace Help file describes all these tools in detail and can be accessed from the **Device Manager Menu**.

Whiteboard

Whiteboard Mode, available only when using an Interwrite Board with Workspace, allows you to capture and preserve notes, drawings, calculations—whatever you write on the Interwrite Board with an Interwrite Marker Pen.


Office

Office Mode makes it possible to interact directly with the native files of the Microsoft Office suite of products, PowerPoint, Word and Excel.

Interactive

Interactive Mode allows you to open and run applications while in **Mouse Mode**, using the tip of your electronic Interwrite Pen on the Interwrite Panel screen to move the cursor. In **Annotation Mode**, you use the Interwrite Pen to select Interwrite Workspace Tools from the **Toolbar**.

Begin an Interwrite Workspace Session

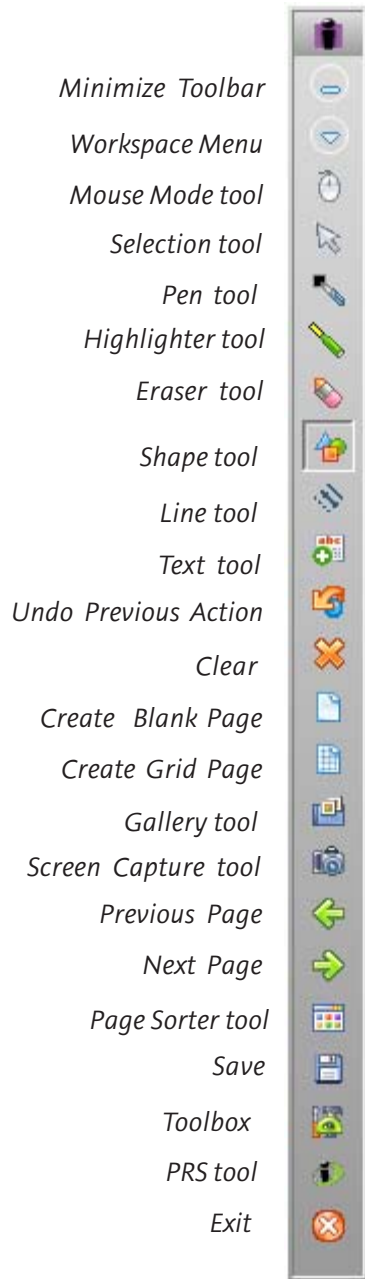
- 1 When you are ready to begin an Interwrite Workspace session, turn on your Interwrite Panel. The Panel must be active and connected. You can verify this in *Session Manager*, or *Devices*, both **Device Manager Menu** options.
- 2 You can start Workspace in Interactive Mode by using your electronic Interwrite Pen to click on the Interwrite Workspace icon  on the Windows Task Bar or the Mac's Menubar to display the **Device Manager Menu**. Select *Interactive Mode* from the menu.

The Workspace Toolbar displays on the screen.

Note By default, the basic Toolbar is shown here. A more advanced toolbar can be selected in the *Customize Toolbar Preferences* option.



The Interwrite Workspace Toolbar



When you start up Interwrite Workspace in Interactive Mode, the Toolbar displays, along the right side of the projected desktop image, At that time, Workspace is in *Mouse Mode*.

Use your Interwrite Pen to select the Pen tool from the Toolbar. Select a capture option from the **Capture dialog, click on the window, or click and drag to capture a portion of the screen.**

Your capture is displayed in the *Annotation Window*. Or, you can start up Annotation Mode by selecting one of the Page Creation Tools.

When you do that, the page type you select is displayed in the *Annotation Window* and the Pen tool is automatically selected.

Once the *Annotation Window* is open, you can begin writing or drawing on the page.

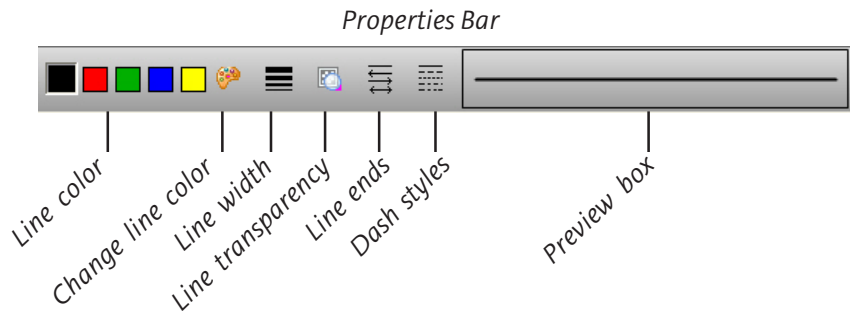
Using the Pen Tool

The attributes of the Pen tool can be changed by selecting different options from the Properties Bar at the bottom of the Annotation Window.

Select the Pen tool's Down Arrow to display its Tool Settings Menu.

Properties Bar

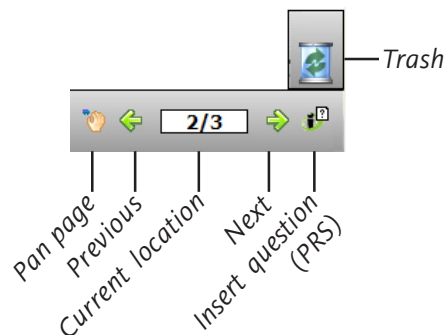
The Pen tool Properties Bar provides options to change line color, width, transparency, and line ends and line styles. Each attribute change is displayed in the Preview Box.



Change the Pen tool's line color and width to determine how it will affect the look of your annotations. The best way to familiarize yourself with all the different Interwrite Workspace tools and how they can be used to enhance your presentations is to experiment with them.

Page Functions

Workspace also provides the ability to move within pages within the window. Select the functions at the bottom of the screen to pan a page, move between pages, use the PRS tool (optional), or discard annotations.



Presentation Files

The presentation file is made up of your annotated pages. The **Page Creation and Capture** tools are used to create the pages in the presentation file and the **Annotation Tools** are used to create the annotations. The presentation file is automatically saved as a *.GWB* file.

As soon as Interwrite Workspace goes into **Annotation Mode**, an untitled presentation file is created. Unless you give the file a name, it is automatically saved using today's date as the filename. (Multiple files created today have *01, 02, 03, etc.*, appended to the date name.)

An existing presentation file can be opened, its pages can be sorted, annotations can be added to the existing pages, and new pages can be added to the file. Your presentation will determine how each presentation file evolves.

For example, you can prepare a presentation file of blank maps ahead of time for a geography lesson. Or, you can capture and annotate each of the monthly earnings spreadsheets as you review the past fiscal year during a budget meeting. Or, you can run a PowerPoint Slide Show in **Office Mode** (Windows only) and annotations can be added to each slide and saved in the native file.

Building the Presentation File

You can build your presentation file during your presentation, or you can pre-build it, including the screen captures, images, graphs and text pages you want to present. However you choose to do it, the process is the same.

To capture a screen or window, click on the **Mouse Mode** tool with your **Interactive Pen** and arrange the desktop for capture. Select an **Annotation Tool**, the **Pen**, for example, indicate your capture preference (by clicking on either the **Partial**, **Window**, or **Screen** option in the dialog), and annotate the captured image.

Use the **Page Creation Tools** to add a blank, gridded, or background image page. By default, Interwrite Workspace is in **Autosave mode**, so your annotated pages are automatically saved as you build your presentation file.

Click the **Save** tool to save the file using the default filename (current date), or a name you type on the pop-up **Onscreen Keyboard**.



Distributing Presentation Files

The Interwrite Workspace presentation files you create can be printed for local distribution, or emailed to anyone, anywhere.

Use the **Page Sorter** tool to review the presentation file. The pages in the presentation file can be sorted, moved, duplicated, merged, and deleted using the Page Sorter tool. When the file pages have been arranged to your satisfaction, you can use Page Sorter's export option to export it to one of a number of file formats, or you can close Page Sorter and select an option from the Workspace File Menu.

The native file format of saved presentation files has the *.GWB* extension. *GWB* files can be read on any computer on which Interwrite Workspace is installed. For general distribution, we recommend exporting the presentation file to the *PDF* format using the Export PDF File tool located in the Toolbox, or by selecting the the Export PDF File option from the Workspace File Menu.

Now everyone can stay in the information loop, whether they were able to attend the presentation or not.

Additional Interwrite Learning Resources

We invite you to visit the Interwrite Learning Web site at

www.InterwriteLearning.com

where we have provided a variety of resources to help make your Interwrite Workspace experience more rewarding. We especially encourage you to visit

www.InterwriteLearning.com/support_interwrite.htm

and

www.InterwriteLearning.com/erc/index.htm.

What is PRS?

Interwrite PRS is an Audience Response System—a comprehensive response system for electronically testing, polling, and surveying a group of people. It can be used in conjunction with Interwrite Workspace to take a survey of the audience response to the presentation, or to test the level of comprehension after a lesson presentation, for example. Learn more about PRS by visiting our Web site.

Regulatory Statements

These devices comply with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1 These devices may not cause harmful interference, and
- 2 These devices must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits of 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 the interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

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

The radiated output power is far below the FCC Radio Frequency exposure limits. Nevertheless, each of the devices should be used in such a manner that the potential for human contact during normal operation is minimized.

Japan

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。

Declaration of Conformity

The “CE” mark on this device indicates compliance under the EMC 89//336/EEC Directive.

Declaration of conformity according to ISO/IEC Guide 22 and EN 45014

Manufacturer’s Name: Coretronic Corporation
for GTCO Corp. (dba Interwrite Learning)

Manufacturer’s Address: No. 2, Ke Bei Road 5th
Science Park
Chu-Nan 350, Miao-Li County, Taiwan

declares, that the product is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (2004/108/EC), Low-voltage Directive (2006/95/EC). For the evaluation regarding the Directives, the following standards were applied:

Product Name: LCD Monitor
Brand Name: Interwrite Panel
Model Number: PI-770
Product Options: All

conforms to the following product specifications:

Emission: EN55022:1998+A1:2000+A2:2003, Class B
EN 61000-3-2: 2000, Class D
EN 61000-3-3: 1995+A1: 2001
EN61000-3-3:1995+A1:2001
EN60950-1:2001+A11

Immunity: EN 55024:1998+A1: 2001+A2: 2003
IEC 61000-4-2:2001
IEC 61000-4-3:2002+A1:2002
IEC 61000-4-4:2004
IEC 61000-4-5:2001
IEC 61000-4-6:2003 +A1:2004
IEC 61000-4-8:2001
IEC 61000-4-11:2004

Person Responsible: Andy Cheng
Position/Title: Senior Manager
Place: Chu-Nan, Taiwan
Date: 2007/9/17

European Union Emission Directive

This product is in conformity with the protection requirements of EU Council Directive 89/366/ECC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

This product has been tested and found to comply with the limits for Class A Information Technology Equipment according to CISPR 22/European Standard EN55022. The limits for Class A equipment were derived for typical industrial environments to provide reasonable protection against interference with licensed communication devices.

European Union WEEE Directive

The manufacture of this equipment required the extraction and use of natural resources. It may contain hazardous substances that could impact health and the environment.

- In order to avoid the dissemination of the hazardous substances into the environment and to diminish the pressure on our natural resources, we encourage you to return this product to the appropriate take-back system facility. These facilities reuse or recycle most of the materials in this equipment in a responsible way.
- The crossed-out wheeled bin symbol below invites you to use these take-back systems.
- If you need more information about the collection, reuse and recycling systems in your area, please contact your local or regional waste authority.
- Further information about the responsible end-of-life management of this and other Interwrite Learning products is available on our Web site at www.InterwriteLearning.com.



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Fax: +49 (0) 89 370012-12

Limited Warranty for the Interwrite Panel

Interwrite Learning warrants these products to be free from defects in material and workmanship under the following terms. Complete and return the enclosed warranty registration card to ensure that your products are covered by this warranty.

Coverage

Parts and labor are warranted for one (1) year from the date of the first consumer purchase for the Interwrite Panel, electronic Interwrite Pen, AC Adapter, and cables. This warranty applies to the **original consumer purchaser only**.

Within the European Union, the warranty period is two (2) years, as mandated by the EU. Contact your local dealer or distributor for additional warranty information.

Warranty is valid only if original consumer's purchase or lease date is less than or equal to six months from the original Interwrite Learning sale date. This information will be captured by the system serial number and confirmed by the reseller's purchase order.

A nominal Warranty Handling Fee will be charged after the first 90 days of use and calculated from the date of original consumer purchase. This payment may be made by Visa, MasterCard, or American Express. A copy of the sales receipt or invoice will be required for warranty verification.

Conditions

Except as specified below, this warranty covers all defects in material or workmanship in the products. The following are not covered by the warranty:

1. Any product on which the serial number has been defaced, modified, or removed (if applicable).
2. Damage, deterioration, or malfunction resulting from:
 - a. Accident, misuse, abuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification for any purpose, or failure to follow instructions supplied with the product.
 - b. Repair, or attempted repair, by anyone not authorized by Interwrite Learning.
 - c. Any damage in shipment of the product (claims must be presented to the carrier).
 - d. Any other cause which does not relate to a manufacturing defect.
3. Any product not sold or leased to a consumer within six months of Interwrite Learning's original sale date.
4. Consumable parts, e.g., batteries, dry-erase markers, eraser felt.

Interwrite Learning will pay all labor and material expenses for covered items, but will not pay for the following:

1. Removal or installation charges.
2. Costs for initial technical adjustments (set up), including adjustments of user controls.
3. Certain shipping charges. (Payment of shipping charges is discussed in the next section of this warranty.)
4. Packaging costs. (Customers should keep their boxes.)

Warranty Service Procedures

1. To obtain service on your Interwrite Learning product, contact the Technical Support Department to receive a Return Material Authorization Number (RMA#) and shipping instructions by calling:

| | |
|-------------------|---------------------------|
| In United States: | (480) 443-2214 (MST) |
| In Europe: | +49 (0) 89 370012-0 (CET) |
2. Ship the product to Interwrite Learning with the RMA# marked clearly on the outside of the box. Interwrite Learning reserves the right to refuse the shipment, if not properly marked.
3. Although the consumer must pay any shipping charges to ship the product to Interwrite Learning for warranty service, Interwrite Learning will pay the return shipping charges for ground shipment. Other shipping options are available at an additional fee.
4. Whenever warranty service is required, the original dated sales invoice (or a copy) must be presented as proof of warranty coverage, and should be included in shipment of the product. In addition, please include your name, address, telephone number, fax number, email address, and a description of the problem.
5. If Interwrite Learning determines that the unit is not defective within the terms of the warranty, the consumer shall pay the cost of all freight charges, as well as any repair charges.

Technical Support

Web-based Technical Support is available free of charge at: www.interwritellearning.com, where current driver releases, as well as comprehensive technical support, troubleshooting, Technical Bulletins and FAQs can be found.

Telephone Technical Support is available free of charge to the original consumer for a period of 90 days from the date of purchase of the product.

Please contact our Technical Support Department:

| | |
|-------------------|---------------------------|
| In United States: | (480) 443-2214 (MST) |
| In Europe: | +49 (0) 89 370012-0 (CET) |

You can also fax your request to:

| | |
|-------------------|----------------------------|
| In United States: | (480) 948-5508 (MST) |
| In Europe: | +49 (0) 89 370012-12 (CET) |

Our toll-free number in the U.S. is: 800-856-0732 (MST)

Disclaimer of Unstated Warranties

The warranty printed above is the only warranty applicable to this purchase. ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. Assuming the warranty above stated is otherwise applicable, it is expressly understood and agreed that Interwrite Learning's sole liability, whether in contract, tort, under any warranty, in negligence, or otherwise, shall be for the repair or replacement of the defective parts, and under no circumstances shall Interwrite Learning be liable for special, indirect, or consequential damages. The price stated and paid for the equipment is a consideration in limiting Interwrite Learning's liability.

Notice

Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state, or province to province.

To obtain service on your Interwrite Learning product, call our Technical Support Department at (480) 443-2214 (MST), or fax us at (480) 948-5508 (MST); in Europe call +49 (0) 89 370012-0 (CET), or fax us at +49 (0) 89 370012-12 (CET).

We can also be contacted through our Web site at www.interwritellearning.com (in US), at EUOffice@gtcocalcomp.com (in Germany), or at infos@calcomp.fr (in France).

Important! All products returned to Interwrite Learning for service must have prior approval in the form of a Return Merchandise Authorization Number (RMA#), which can be obtained by calling the Technical Support Department.

Appendix A

Display Control

OSD Menu Summary

The On Screen Display (OSD) menu allows you to view and adjust the settings for the display.

| | |
|-------------------|-------------------------|
| BRIGHTNESS | |
| CONTRAST | INPUT: ANALOG |
| LCD ADJUSTMENT | RESOLUTION: 1280 x 1024 |
| COLOR TEMPERATURE | FREQUENCY: 60Hz |
| ECO MODE | COLOR: 7200K |
| LANGUAGE | VOLUME: 50 |
| OTHER SETUP | OSD TIMEOUT: 24 |
| EXIT | |

Using the Menu

The following procedure takes you through the steps of accessing the menu options.

- 1 Press **Menu**. The OSD Menu displays.
- 2 Use the (+) button and (-) button to select a menu item.
- 3 Press **Auto Select** to confirm the selection.
- 4 Use the (+) button and (-) button to adjust the value, and Auto Select to confirm the value selection.

Closing the Menu

- 1 Select **EXIT** from the menu screen. The OSD menu closes.

Note

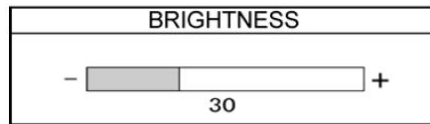
If the menu closes by not selecting options, the latest settings applied will take effect when the OSD closes.

Menu Options

The following section describes the OSD menu options available for the Interwrite Panel.

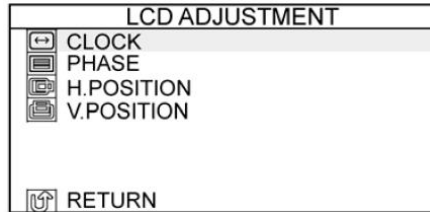
Brightness/Contrast

Used to adjust screen brightness or contrast (1-100).



LCD Adjustment

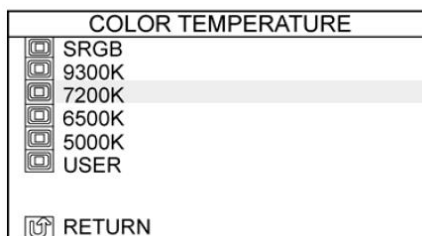
Used to adjust screen position.



| Option | Description |
|-------------|---------------------------------|
| Clock | Adjust the screen size |
| Phase | Adjust the timing |
| H. Position | Changes the vertical position |
| V. Position | Changes the horizontal position |
| Return | Returns to the previous page |

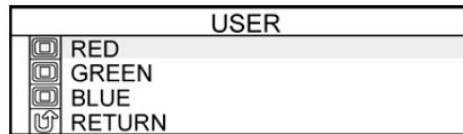
Color Temperature

Used to adjust screen resolution.



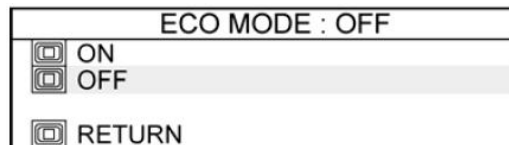
User

Used to adjust the red, green, and blue colors of the screen.



Eco Mode

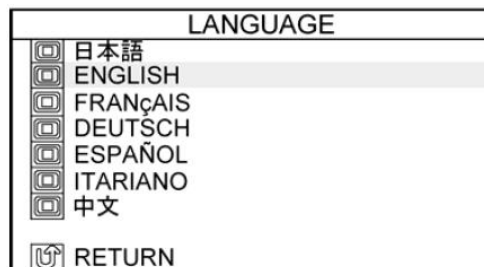
Used to turn the ECO mode ON, and limit the brightness settings from 0 to 20 to reduce power consumption.



Language

Used to select the display language. The following languages are available:

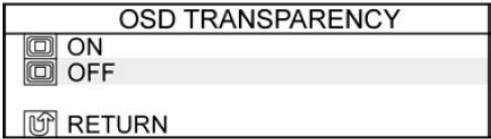
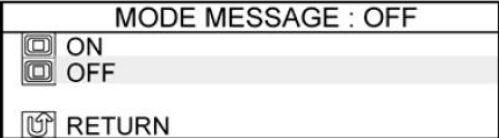
- Japanese
- English
- French
- German
- Spanish
- Italian
- Chinese





Other Setup

Used to adjust other display screen settings for the monitor.

| Option | Description |
|------------------|---|
| Smooth | Adjust the smoothness of the image (0-3) |
| OSD H. Position | Adjust the horizontal position of the OSD window (0-100) |
| OSD V. Position | Adjust the vertical position of the OSD window (0-100) |
| OSD Transparency | Used to turn the OSD window background transparency on or off  |
| OSD Timeout | Used to set the amount of time in seconds before the OSD menu closes automatically (0-60) |
| Volume | Used to adjust the speaker volume (0-100) |
| Mode Message | Used to turn screen resolution display on or off  |
| Reset | Used to reset OSD menu settings to their default values |
| Return | Used to return to the previous page |

Appendix B

LCD Monitor Specifications (17")

| Item | | Specification |
|----------------|----------------|---|
| Display | Driver Type | Active Matrix Liquid Crystal Display (TFT) |
| | Display Area | 337.92mm (H) x 270.336mm (V) (17.0 inch diagonal) |
| | Resolution | 1280 (H) x 1024 (V) pixels |
| | Pixel Pitch | 0.264mm (H) x 0.264 (V) |
| | Support Color | 16,200,000 colors |
| | Brightness | 220 (cd/m ²) |
| | Contrast Ratio | 450:1 |
| | Viewing Angle | -70° ~70° (H), -70° ~70° (V) (Typical) |
| Digitizer | Input System | Electromagnetic induction |
| | Backlight Unit | 2 replaceable CCFL (w/50,000 hrs. life) |
| | Pen | Stylus Pen, 1 AAA alkaline battery: approximately 1800 hours use |
| | Resolution | 0.05 mm |
| | Accuracy | ± 0.5mm |
| | Tracking Speed | 125 points per second |
| | Interface | USB Port 1.1 |
| I/O Connectors | Input | 15-pin D-sub, (Analog RGB) Stereo mini-jack (stereo audio) |
| | Output | 15-pin D-sub (Analog RGB) |
| Power Source | Input | AC100-240V Universal , 50-60 Hz, 1A |
| | Output | (DC 12 V, 3.3A) |
| Speaker | | Stereo (1W+1 W build-in amplifier) |

Specifications are subject to change without notice



LCD Monitor Specifications (continued)

| Item | | Specification |
|------------------------------|-----------|------------------------------------|
| Environmental | Operating | 10°C ~ + 35°C (50°F ~ 95°F) |
| | Storage | -10°C ~ +60°C (-14°F ~ 140°F) |
| Humidity: | Operating | 30-80% (no condensation) |
| | Storage | 10-80% (no condensation) |
| Power Consumption | Operating | 40 Watt or less |
| | Standby | 4 Watt or less |
| External Dimensions | | 395.0 (W) x 375.0(H) x 57.0 (D) mm |
| Weight | | 5.2 kg |
| Stand Adjustment | | 20-70 degrees |
| Compatible Operating Systems | | Windows 98/98SE/Me/2000/XP |

Display Timing

| | Model | Resolution | H-Freq.(KHz) | V-Freq.(Hz) |
|----|-------|-------------------|--------------|-------------|
| 1 | VGA | 640 * 480 @60Hz | 31.47 | 59.94 |
| 2 | VGA | 640 * 480 @72Hz | 37.86 | 72.81 |
| 3 | VGA | 640 * 480 @75Hz | 37.50 | 75.0 |
| 4 | SVGA | 800 * 600 @60Hz | 37.88 | 60.31 |
| 5 | SVGA | 800 * 600 @72Hz | 48.08 | 72.19 |
| 6 | SVGA | 800 * 600 @75Hz | 46.87 | 75.0 |
| 7 | XGA | 1024 * 768 @60Hz | 48.36 | 60.00 |
| 8 | XGA | 1024 * 768 @70Hz | 56.48 | 70.07 |
| 9 | XGA | 1024 * 768 @75Hz | 60.02 | 75.03 |
| 10 | SXGA | 1280 * 1024 @60Hz | 63.98 | 60.02 |
| 11 | SXGA | 1280 * 1024 @75Hz | 79.98 | 75.05 |



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