

Interactive Whiteboard  
Installation and Operation Guide

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## Overview

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Congratulations on your purchase of a PolyVision® ēno™ interactive whiteboard.



This manual describes how to install and use the ēno interactive whiteboard. For more information about the PolyVision driver that you install on your computer, refer to the *PolyVision Driver User Guide* which is installed along with the PolyVision driver.

To view the user guide in Windows:

- Click “Start” in the lower left corner of your desktop, choose “Programs,” then “PolyVision,” and then “PolyVision Driver User Guide.”

To view the user guide on a Macintosh:

- Navigate to the “Applications” folder on your start-up disk, and double-click “PolyVision Driver User Guide” in the PolyVision folder.

## Register Your Whiteboard

By registering your product, you will receive enhanced customer service with information on software upgrades.

To register your product:

- Register on-line at:  
[www.polyvision.com/support/register.asp](http://www.polyvision.com/support/register.asp)

# Preparing the ēno Whiteboard for Use

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## Install the Whiteboard

To mount the ēno whiteboard, follow the instructions provided in the ēno *Installation Quick Reference Guide*.

Two people are needed for portions of this installation.

When you install the whiteboard, you can mount it to: sheetrock, brick, cinderblock, plaster, or metal.

## Control Icon Mounting Options

The ēno interactive whiteboard includes control icons that provide key features and functions when you tap them with the ēno stylus. The control icon strip can be mounted anywhere, including on the whiteboard by pressing the magnetic backing to the board.

## Prepare the ēno Stylus

To prepare the ēno stylus for use:

- Install batteries as illustrated in the ēno *Quickstart Installation Guide*.
- The ēno stylus requires a Bluetooth connection with your computer. Assure that the ēno stylus is paired with your computer as described below in Prepare Your Computer.

To turn the ēno stylus on and off:

- Remove and replace the stylus cap. When the stylus is not in use, replace the cap to extend battery life.

## Prepare Your Computer

To prepare your computer for use:

- Install the PolyVision driver as described below in Driver Installation.
- The ēno stylus is a Bluetooth device and must pair with the computer that interacts with the whiteboard. You can use ēno regardless of whether your computer has Bluetooth capability built-in. The PolyVision BT (Bluetooth) adapter adds Bluetooth capability to your computer as described below in Pairing the ēno Stylus and Your Computer.

- Connect a projector to your computer using the video cable that is provided with your projector as described below in Getting Started with Your Projector.

## Driver Installation

To use ēno, your Windows-based computer must have:

- Pentium processor
- 512MB RAM
- Windows XP SP2, Tablet XP SP2, or Vista
- One available USB port

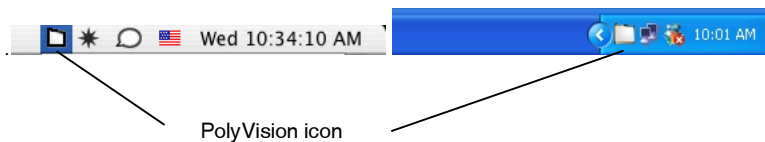
To use ēno, your Macintosh computer must have:

- PowerBook, G4, iBook, iMac, or eMac
- PowerPC or Intel microprocessor
- 512MB RAM
- System software OS X (10.3.9 or better)
- One available USB port

To install the PolyVision driver on your computer:

- 1 Locate and insert the PolyVision installation CD.
- 2 Installation should begin automatically. If it does not:  
**Windows:** double-click “My Computer” on your desktop and double-click the removable disk drive named “PolyVision.” Installation begins.  
**Macintosh:** double-click the PolyVision icon on your desktop, double-click the “Macintosh” folder, and double-click “PolyVision Installer.” Installation begins.
- 3 Follow the prompts you see on the screen to complete the installation. On a Macintosh, your system automatically reboots.

When installation is complete, a message appears on your computer screen and the PolyVision icon appears in your system tray (Windows) or system menu (Macintosh).



The PolyVision driver runs unobtrusively in the background whenever your computer is on.

## Pairing the ēno Stylus and Your Computer

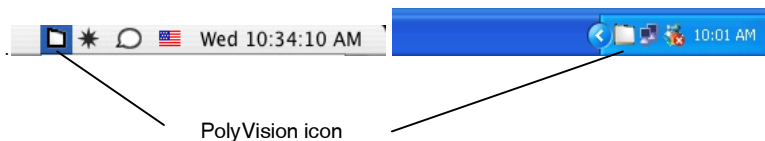
The ēno interactive whiteboard provides wireless communication with your computer via the ēno stylus, which is a Bluetooth device. As with all Bluetooth devices, the stylus must be paired with the computer that it interacts with. PolyVision provides a Bluetooth adapter that provides automatic Bluetooth pairing with the ēno stylus. (Refer to Appendix 1 for details about Bluetooth pairing options.)

To automatically install Bluetooth drivers and pair your ēno interactive whiteboard stylus with your computer:

1. Turn on your computer.
2. Plug the PolyVision Bluetooth adapter into any available USB port on your computer and leave it there.
3. When you are asked “Do you want to pair your stylus now?” turn on the ēno stylus by removing the cap and then click “Yes.” Pairing proceeds automatically.

To pair your ēno interactive whiteboard stylus with your computer any time after the Bluetooth drivers are installed on your computer:

1. On your computer, click the PolyVision icon appears in your system tray (Windows) or system menu (Macintosh).



2. Choose “Configure the PolyVision driver” from the menu.
3. Click the “Hardware” tab.

4. Turn on the ēno stylus by removing the cap then click “Pair Stylus.” Pairing proceeds automatically for most computers. If you have a Macintosh with operating system 10.3.9, follow the prompts you see on your screen.

## Getting Started with Your Projector

Getting started is simply a matter of connecting your projector to your computer using the video cable that is provided with your projector.



To set up the projector:

- 1 Locate your projector's video cable and connect it to the video port of your computer.
- 2 Connect the other end of the video cable to your projector.
- 3 Connect the projector's power cord to an outlet.
- 4 Turn on the projector and focus your computer screen squarely onto your whiteboard. The projected image does not need to fill the white area.



To align the projected image with the ēno whiteboard:

- 1 Assure that at least half of the projected image is actually projected onto the board.
- 2 Tap the Projection icon on the control strip one time.

The alignment window shown below projects from the computer to the whiteboard.



- 3 Using the ēno stylus, touch exactly on each target projected on the whiteboard, following instructions you see on the board. When alignment is complete, you are ready to begin using your computer and whiteboard in projection mode.

To exit projection mode when you are finished operating your computer from the board:

- Tap the Projection icon on the control strip again.

## Using Your ēno Whiteboard





















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Use the ēno interactive whiteboard with the ēno stylus and a projector connected to your computer to:

- control your computer from the whiteboard
- run slide presentations and other software from the whiteboard
- mark-up and capture snapshots of your computer screen plus any writing on the board

### The ēno Whiteboard Control Icons

The ēno whiteboard includes control icons that you tap with the ēno stylus to interact with your computer. The control icons are magnetic so you can move them to any convenient location on the board. Icon functions are described briefly below. Refer to the *PolyVision Driver User Guide* for details about each of these functions.

Control Icon	Purpose
	Projection Toggles “projection mode” on and off. The first use starts the onscreen alignment (calibration) process.
	Previous Goes to the previous PowerPoint slide or PgUp.
	Next Goes to the next PowerPoint slide or PgDn.
	Keyboard Displays the on-screen keyboard.
	Pen   Cursor Toggles between writing and cursor control.
	Pen Style Displays all size and color options.
	Red, Blue, Green, Black The current color for writing on the board.
	
	
	
	Narrow Pen Sets the stylus to narrow width.
	Medium Pen Sets the stylus to medium width.
	Wide Pen Sets the stylus to wide width.
	Solid Pen Sets the stylus to a solid line.
	Dashed Pen Sets the stylus to a dashed line.
	Narrow Eraser Narrow eraser width using the stylus.
	Wide Eraser Large eraser width using the stylus.
	Erase All Clears all the writing.
	Print Prints a copy of the whiteboard.
	Save Saves a copy of the whiteboard contents into the MyDocuments folder (or where configured) as a new image.

## LED Status Summary

The LED indicator on the ñno stylus provides status information about wireless communication between the stylus and computer, assuming that batteries are installed.

LED	Condition
Blink every five seconds	Low Battery
Three quick pulses repeated three times	Hardware Error, Bluetooth Connection Error, or Bluetooth Pairing Error
Off	Ready for use
On	Attempting Bluetooth pairing or connection with your computer

## Care and Maintenance

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### Replacing the Ēno Stylus Tip

To replace the Ēno stylus tip:

1. Remove the existing stylus tip by pulling it out.
2. Firmly push the replacement tip into the stylus until it snaps into place.

### How to Obtain Replacement Parts

Replacement parts are available directly from PolyVision. Call 1.800.620.POLY (7659) in the USA, 678.542.3100 from elsewhere in North America, or +32 (0)89 32 31 30 in Europe. You can also send e-mail to [info@polyvision.com](mailto:info@polyvision.com).

### Technical Support

If reviewing the above sections fails to resolve your hardware or driver problem, contact PolyVision USA Technical Support:

- Phone: 1.800.620.POLY (7659), 678.542.3100  
Technical support representatives are available Monday through Friday from 8 AM Eastern time to 8 PM Eastern time.
- E-mail: [support@polyvision.com](mailto:support@polyvision.com)
- Internet: [www.polyvision.com](http://www.polyvision.com)

Or, outside the USA contact PolyVision Europe/Asia Technical Support:

- Phone: +32 (0)89 32 31 30
- E-mail: [business.center@polyvision.com](mailto:business.center@polyvision.com)
- Internet: [www.polyvision.com](http://www.polyvision.com)

### FCC Compliance

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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is

likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## CE Compliance

ēno has been tested and found to comply with safety, radiation, and immunity standards defined in:

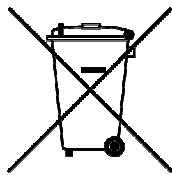
2006/95/EC Low Voltage Directive  
EN60950-1:2001 (Safety)

2004/108/EC EMC Directive  
EN55022:2003 Class B (EMC)  
EN55024:2003 (EMI)  
EN301489-17 V1.2.1:2002  
EN301489-1 V1.4.1:2002

1995/5/EC R&TTE Directive  
EN300328-2 V1.6.1:2004 (RF)

IEC 60825-1 Class 1 LED

## WEEE Compliance



WEEE Directive  
2002/96/EC

## Appendix 1: Bluetooth Pairing Options

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A Bluetooth device must be paired to the computer that will use the device, just as a Bluetooth headset needs to be paired to a cell phone before it will work.

The ēno stylus must be paired with the computer that it interacts with. This only needs to occur once, and even changing the ēno stylus battery will not un-pair the stylus from the computer. Automatic pairing is described in Pairing the ēno Stylus and Your Computer on page 7.

This appendix covers alternative Bluetooth pairing scenarios:

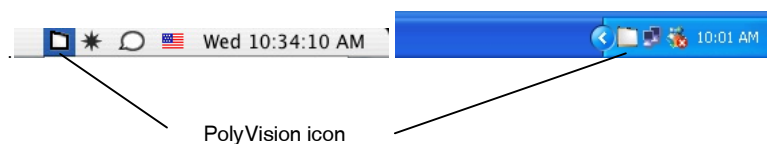
- pairing manually with the PolyVision driver
- pairing with Windows or Apple built-in Bluetooth
- pairing with third-party Bluetooth

### Pairing With the PolyVision Bluetooth Adapter

The PolyVision Bluetooth adapter that is included with ēno provides everything you need for wireless Bluetooth communication between your whiteboard and computer.

To pair ēno your stylus with your computer:

1. Turn on your computer.
2. Plug the PolyVision Bluetooth adapter into any available USB port. A message appears when device drivers have been installed.
3. Turn on the ēno stylus by removing the cap.
4. On your computer, click the PolyVision icon appears in your system tray (Windows) or system menu (Macintosh).



5. Choose “Configure the PolyVision driver” from the menu.
6. Click the “Hardware” tab.
7. Click “Pair Stylus.” Pairing proceeds automatically for most computers. If you have a Macintosh with operating system 10.3, follow the prompts you see on your screen.
8. Repeat these steps for additional ēno styli.

For additional information about PolyVision driver configuration options, refer to the *PolyVision Driver User Guide*.

## Pairing with Windows or Apple Built-In Bluetooth

If your computer includes the built-in Windows and Macintosh Bluetooth capability and you choose not to use the PolyVision Bluetooth adapter for Bluetooth capability, the PolyVision driver can automatically pair your stylus with your built-in Bluetooth capability.

To pair your ēno stylus with your computer's built-in Windows or Apple Bluetooth capability:

1. Turn on your computer.
2. Turn the ēno stylus on by removing the cap.
3. On your computer, navigate to the Control Panel. For example, in Windows click the "Start" button, then select "Control Panel."
4. Click the Bluetooth Devices icon.



5. Select the "Devices" tab and click the "Add" button. This will launch the "Add Bluetooth Device Wizard."
6. Click the box that indicates that "My device is set up and is ready to be found" and click "Next."
7. You will see a list of all Bluetooth devices. Click the item listed as "PolyVision Stylus" followed by an associated Bluetooth address.
8. Enter the passcode, which is a number provided on the removable label on the side of the ēno stylus.
9. Repeat these steps for additional styli.



## Pairing with Third-Party Bluetooth

To use a third-party Bluetooth solution to pair the ěno stylus with your computer:

1. Launch the software that comes with your third-party Bluetooth capability. It may launch from:
  - The control panel
  - An option in the start menu/programs menu.
  - A Bluetooth icon in the taskbar or system menu bar.



2. Turn on the ěno stylus by removing the cap.
3. Locate and start the mechanisms for pairing, such as one of the following:
  - Add a Device
  - Pair a Device
  - Search for a Device.

The stylus is listed as “ADP-301” and is only visible for a minute or so after the cap is removed. If you do not see the stylus, replace the cap, wait two seconds, and remove the cap back again. After six seconds the stylus is visible to the computer.

4. Follow the prompts from the third-party Bluetooth software. The general process is as follows:
  - Search for Bluetooth devices and select the “ADP-301 stylus.”
  - Pair the ADP-301 stylus. When asked, the stylus uses a PIN code or passkey of 0109.
  - After entering the PIN code, the stylus should pair to your computer.

To determine if the pairing is successful and there is wireless communication between the PolyVision driver installed on your computer and the ēno stylus:

1. Turn on the ēno stylus by removing the cap.
2. On your computer, click the PolyVision icon appears in your system tray (Windows) or system menu (Macintosh).
3. Choose “Configure the PolyVision driver” from the menu.
4. Click the “Hardware” tab. The stylus should be listed as a hardware device.

## Warranty

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PolyVision Corporation warrants to the original consumer or other end-user purchaser that this product is free from defects in material and workmanship for a period of two years from the date of purchase. The finished whiteboard (which includes the frame, mounting components, substrate and fasteners) is warranted to be free from defects in material and workmanship for a period of ten years from the date of purchase.

In addition, the porcelain enameled steel writing surface is warranted against wear in normal use for the lifetime of the building in which the product is originally installed.

During the warranty period, and upon proof of purchase, the product will be repaired or replaced (with the same or similar model) at PolyVision's option, without charge for either parts or repair labor. Shipping costs will apply. Please keep your original sales receipt or delivery invoice for proof of purchase. Without proof of the purchase date, your warranty will be defined as beginning on the date of manufacture, which is recorded by serial number at the factory. This warranty applies only to the first end-user purchaser and only when the product is used in a country for which it is labeled for sale. Some factory-reconditioned parts may be used in the assembly of this product.

### WHAT IS NOT COVERED

- 1 Any product that is sold or used outside of North America and Europe unless the product was specifically labeled for sale in that country.
- 2 Any product on which the serial number has been defaced, modified, or removed.
- 3 Damage, deterioration, or malfunction resulting from, but not limited to:
  - Accident, misuse, abuse, neglect, fire, water, lightning or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - Use of unintended writing implements such as (but not limited to) ball point pens, pencils, fountain pens, or non-dry-erase markers.
  - Use of non-approved cleaning materials or solvents.
  - Repair or attempted repair by anyone not authorized by PolyVision.
  - Any damage incurred in shipping.
  - Removal or installation of the product.
  - Any other cause that does not relate to a product defect.
- 4 Cartons, carrying cases, pens, external cabinets, easels, or any accessories used in connection with the product.
- 5 Removal and/or installation charges.
- 6 Shipping charges to and from our factory or authorized repair depot.

## HOW TO GET WARRANTY SERVICE

If you experience a problem with this product, contact your local dealer or PolyVision Product Support (800.620.POLY in the USA, or +32 (0)89 32 31 30 in Europe) to resolve the problem. If the product is diagnosed as being defective, return the product to the original place of purchase. If you are directed to return the product directly to PolyVision, you must obtain a Return Materials Authorization (RMA) number from PolyVision. All products returned to PolyVision must have an RMA number assigned, regardless of reason for return. The RMA number must be clearly marked on the outside of the shipping carton; any unit without an RMA number will be returned to the sender.

## LIMITATION OF DAMAGES AND IMPLIED WARRANTIES

POLYVISION WARRANTS THAT THE PRODUCT WILL OPERATE SUBSTANTIALLY IN CONFORMITY TO THE POLYVISION DOCUMENTATION AND PUBLISHED SPECIFICATIONS FOR A PERIOD OF TWO YEARS AFTER CONSUMER PURCHASE, PROVIDED IT IS USED IN ACCORDANCE WITH POLYVISION'S USER INSTRUCTIONS. POLYVISION'S SOLE AND EXCLUSIVE LIABILITY, AND YOUR EXCLUSIVE REMEDY, FOR ANY BREACH OF THIS WARRANTY IS THAT, IF THE BREACH IS REPORTED TO POLYVISION IN WRITING WITHIN THE WARRANTY PERIOD, POLYVISION WILL CORRECT THE NONCONFORMITY, EITHER BY CORRECTING THE PRODUCT OR (WHERE APPROPRIATE) DOCUMENTATION; REPLACING THE PRODUCT; OR, WHERE POLYVISION DETERMINES THAT CORRECTION OR REPLACEMENT IS NOT FEASIBLE, REFUNDING THE FEE ACTUALLY PAID FOR THE PRODUCT. NO OTHER REMEDY SHALL BE AVAILABLE TO YOU. EXCEPT AS EXPRESSLY SET FORTH HEREIN, POLYVISION MAKES NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED. POLYVISION DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. POLYVISION SHALL HAVE NO LIABILITY BEYOND THE OBLIGATIONS SET FORTH ABOVE. IN NO EVENT SHALL POLYVISION BE LIABLE FOR ANY INDIRECT DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL, OR OTHERWISE (AND EXPRESSLY INCLUDING LOST PROFITS AND LOSS OF DATA) OR FOR ANY DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THIS PRODUCT UNDER THIS OR RELATED AGREEMENTS, WHICH DAMAGES ARISE OUT OF THE USE OF THE HARDWARE, IRRESPECTIVE OF WHETHER POLYVISION SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES AND IRRESPECTIVE OF THE CAUSE OF DAMAGE, INCLUDING NEGLIGENCE. SOME STATES OR COUNTRIES RESTRICT THE RIGHT TO EXCLUDE CERTAIN WARRANTIES, THEREFORE, THE ABOVE EXCLUSIONS MAY NOT APPLY TO YOU.

#### HOW STATE LAW RELATES TO THE WARRANTY

In the USA, this warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. PolyVision Corporation products are warranted in accordance with the terms of the applicable PolyVision Corporation limited warranty. Product performance is affected by system configuration.

Software, the application, customer data, and operator control of products are considered to be compatible with many systems. The specific suitability of a product for a specific purpose or application must be determined by the customer and is not warranted by PolyVision Corporation.

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