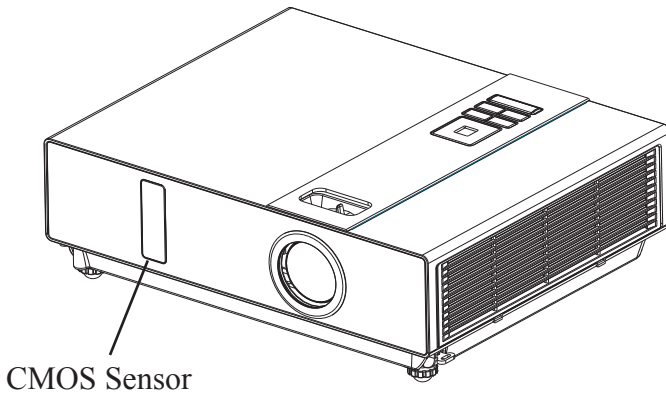


Interactive Projector



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Interactive Projector Packing List

Check-list of your accessories

Below list is interactive projector's the rest parts. Please check the rest parts. If any items missing, contact your dealer.

1. Accessory Bag



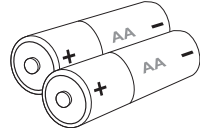
2. Pointer



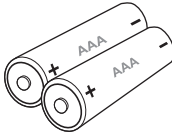
3. Pen



4. Batteries (AA)



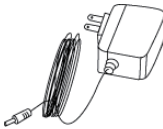
5. Batteries (AAA)



6. Hanging String



Adapter (Option)



Extension USB Cable (5M,Option)



Installation for Windows

Software and Hardware Install

1. Section One : System Requirements

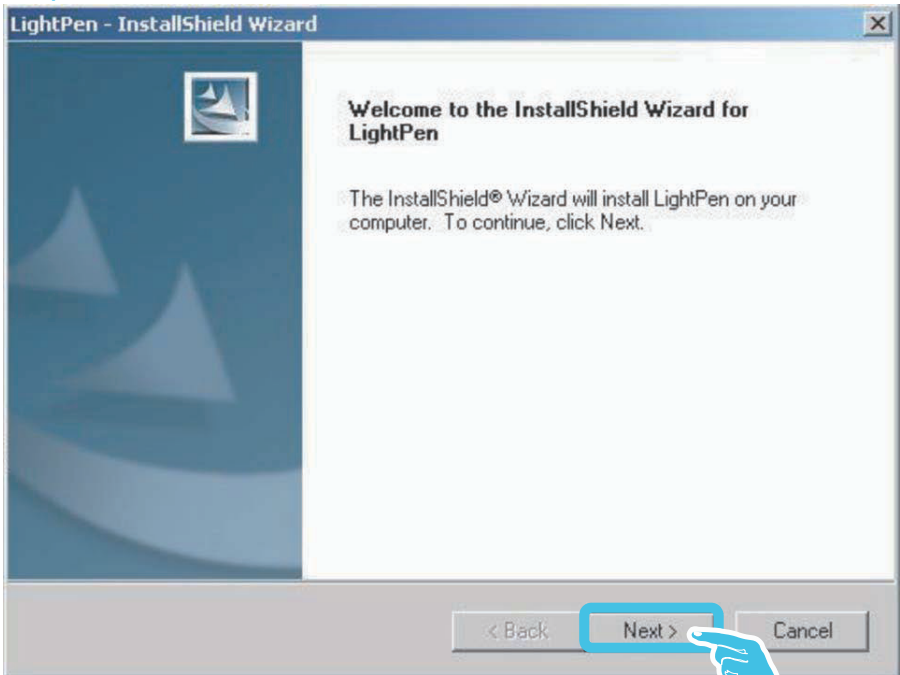
	System Requirement
OS Required	Microsoft Window 2000(SP4)/XP(SP2)/Vista
Processor Type	Intel Pentium IV or above
RAM	256 MB or above
Min. Free disk space	30 MB
	CD-ROM Driver & available USB 2.0 port

2. Section Two (A) : LightPen Software Setup.

Step 1: Insert the Disc to the PC.

Step 2: Execute LightPen\setup.exe.

Step 3: Next.

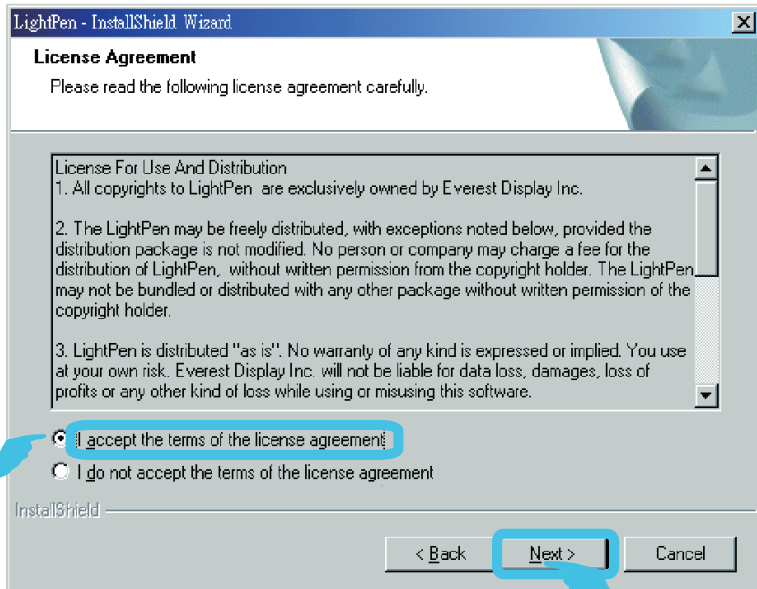


Installation for Windows

Software and Hardware Install

2. Section Two (A) : LightPen Software Setup.

Step 4:Next.

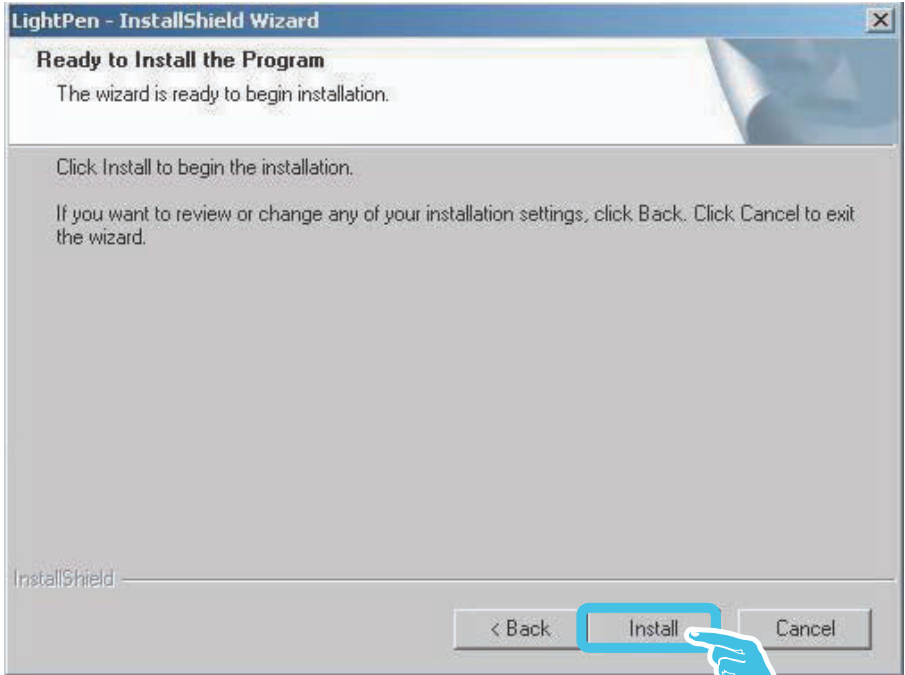


Installation for Windows

Software and Hardware Install

2. Section Two (A) : LightPen Software Setup.

Step 5: Install.

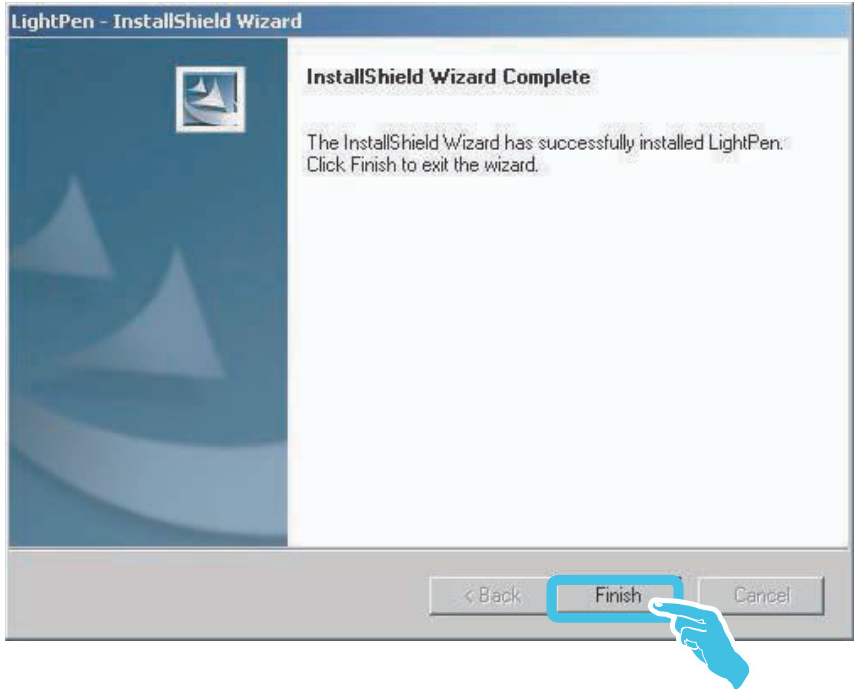


Installation for Windows

Software and Hardware Install

2. Section Two (A) : LightPen Software Setup.

Step 6: Finish (“LightPen” software installation)



Warning!

Execute LightPen program directly, you don't need to install “Section two (B) SP driver setup” if it can work normally.(To install “Section two (B) : SP driver setup” is required for the system of Windows 2000/SP4.)

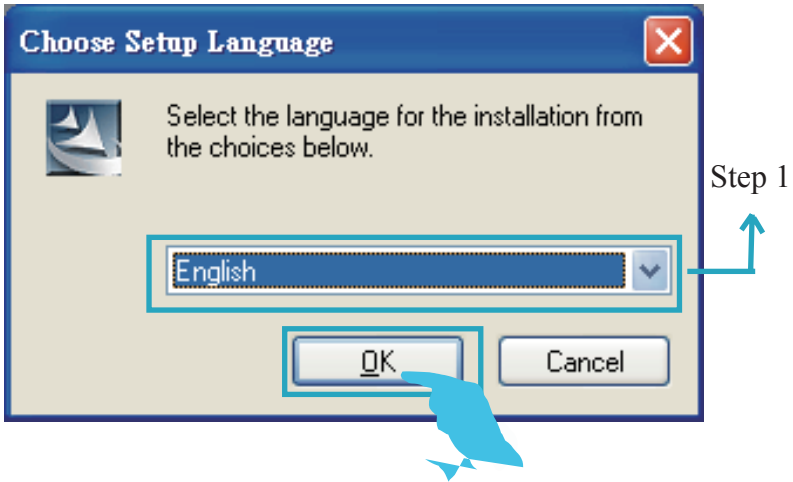
Installation for Windows

Software and Hardware Install

2. Section Two (A) : LightPen Software Setup.

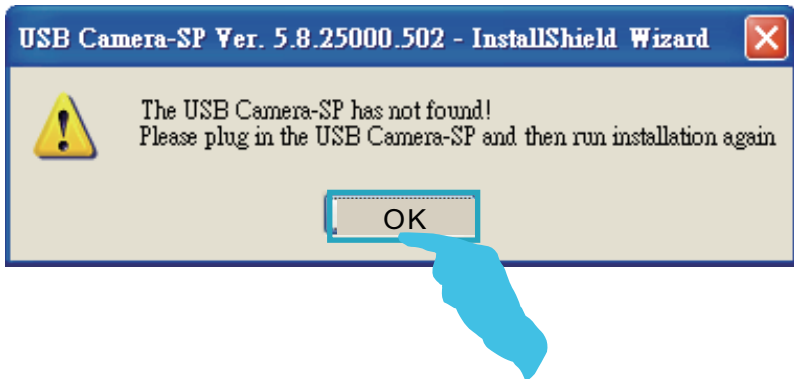
Step 7: "Choose Setup Language" as Step 1, then select "OK" to install "USB Camera driver".

Please execute "LightPen \SP Driver\Setup.exe".



Warning!

If shown "The USB Camera-SP has not found ! Please plug in the USB Cable and then run installation again.

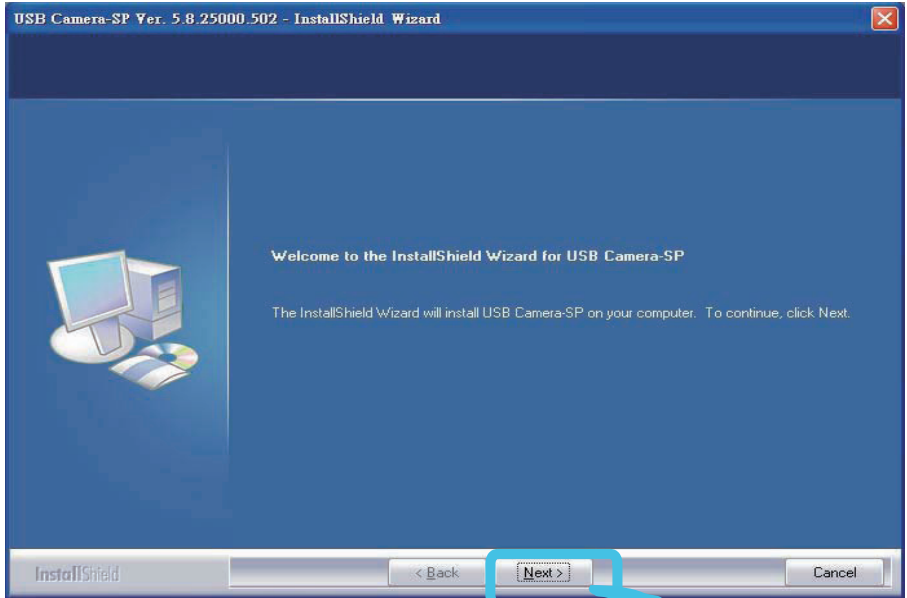


Installation for Windows

Software and Hardware Install

2. Section Two (B) : SP Driver Setup.

Step 8:Next.

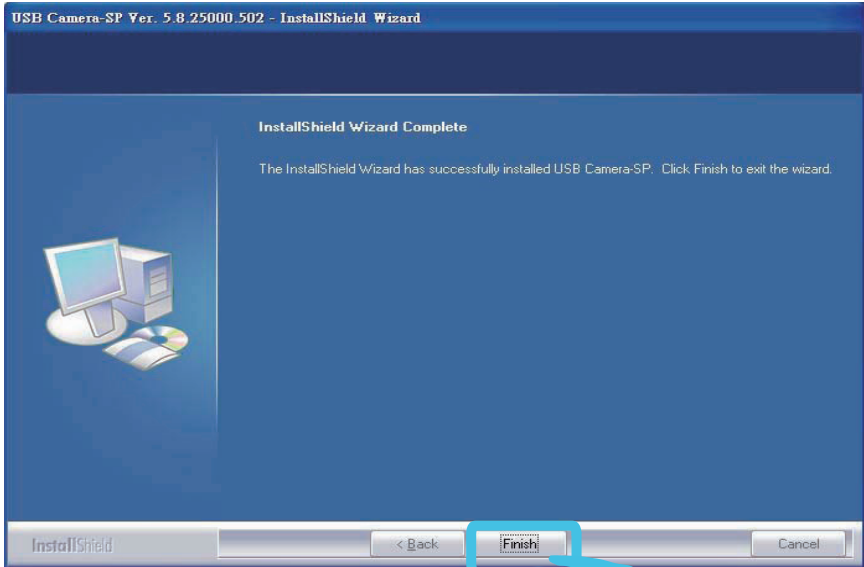


Installation for Windows

Software and Hardware Install

2. Section Two (B) : SP Driver Setup.

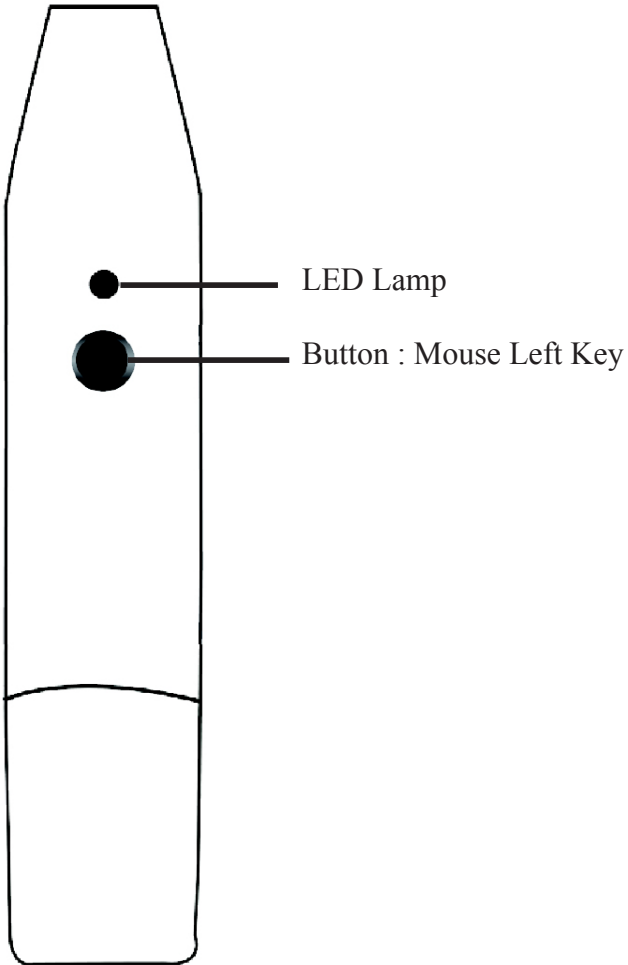
Step 9: Finish (SP Driver installation)



Installation for Windows

Software and Hardware Install

3. Section Three: Functional Key Of “Pointer”



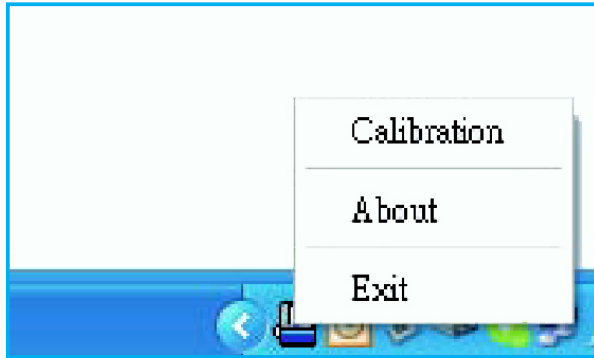
Installation for Windows

3. Section Four: Calibration



Step 1: Execute “LightPen” shortcut on the Windows desktop.

Step 2: Select “LightPen” from toolbar then click mouse right key for calibration.



Installation for Windows

3. Section Four: Calibration

Step 3: Push the button of “Pointer” and point to the “Center of green cross target” from upper-left of screen to lower-right of screen orderly. There are nine targets totally. No more green target on the screen means you’ve completed the calibration procedure. To keep the angle of “Pointer” as constant as possible during the calibration for more accurate positioning.



Installation for Windows

3. Section Four: Calibration

How to play function of “Mouse right key” ?

→Point to top or down of screen outside then push the button of “Pointer”.



Installation for Windows

3. Section Four: Calibration

There is another quick way to change the position of icon or hide it. Point to left or right of screen outside then push the button of "Pointer".



Installation for Windows

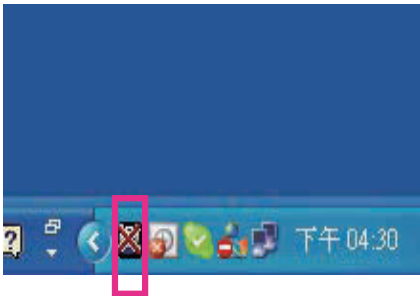
Warning !

1. Due to one of + mark is hidden by ,please point the position as shown for calibration. Or by selecting " auto hiding " in the properties of task bar, 7th calibration mark can be shown.



2. When the icon is shown as (A), it means that USB cable doesn't connect. If icon is shown as (B), it means you can use LightPen function.

(A)



(B)



Installation for Windows

5. Section Five: Function Of Icon

Icon position

Push the button of “Pointer” to select icon’s position on either the right-side or left-side of screen.

Mouse

Function of computer mouse

Pen

Function of pen

Eraser

To eraser drawing Stepwise

Select the fineness of pen

To select the fineness of pen

Select the color of pen

To select the color of pen

Eraser all

To erase all drawings at once

Save files

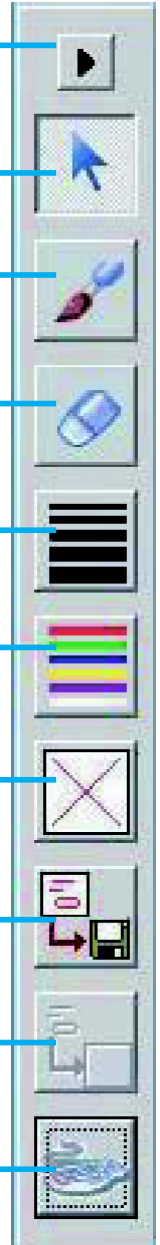
To save the current page into computer

Redraw

To recall the previous drawing you've made

Virtual keyboard

To select letter/number/character for key-in



Installation for Mac

Software and Hardware Install

1. Section One : System Requirements

To ensure the interactive function work properly, please review your computer as listing before installing LightPen driver.

System Requirement	
OS Required	Mac OS X v10.4- v10.5
Processor Type	Intel processor or Power PC
RAM	At least 512 MB of RAM
Hard Disk	At least 10 MB of hard disk space
Media Device	At least 4x CD-ROM or DVD-ROM
	At least USB 2.0

2. Section Two: LightPen Software Setup.

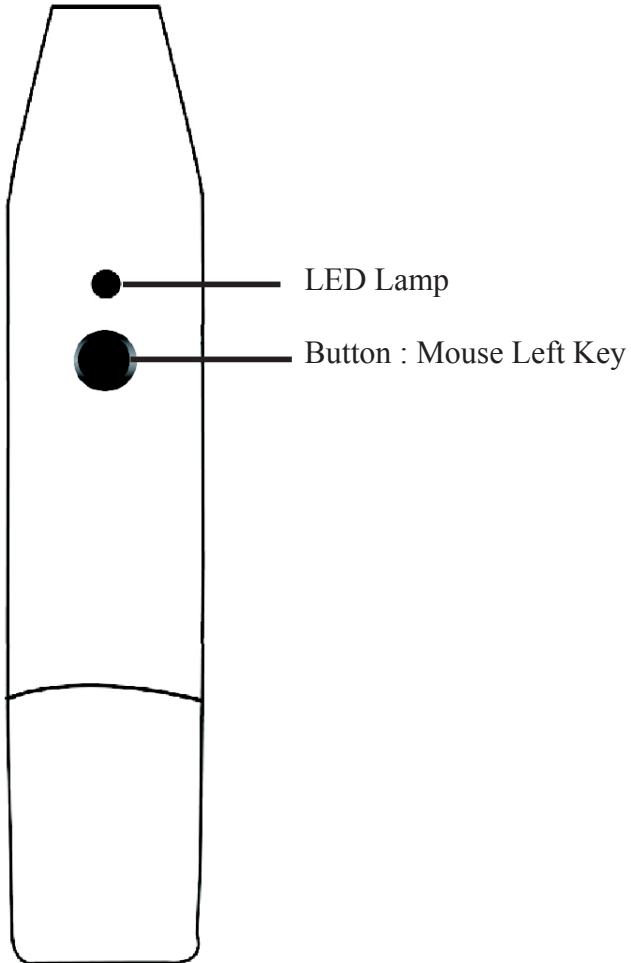
Step 1 : Insert the LightPen CD to the MAC..

Step 2 : Copy LightPen file to Hard disk.

Installation for Mac

Software and Hardware Install

3. Section Three: Functional Key Of “Pointer”



Installation for Mac

2. Section Four: Calibration

Step 1: Execute "LightPen".

Step 2: Select "LightPen" from menu bar then click mouse key for Calibration.

Step 3: Push the button of "Pointer" and point to the "center of green cross target" from upper-left of screen to lower-right of screen orderly. There are nine targets totally. No more green target on the screen means you've completed the calibration procedure. To keep the angle of "Pointer" as constant as possible during the calibration for more accurate positioning.



Installation for Mac

Select Distance

Step 1: Select “LightPen” from menu bar.

Step 2: Click mouse key for projection distance.

Step 3: Choosing the projection distance from pop-up menu (>4m,>2m,<2m).

How To Use

1. How to play function of “Ctrl + Click mouse button(mouse right key)”?

→Point to top or down of screen outside then push the button of "Pointer".



Installation for Mac

How To Use

2. There is another quick way to change the position of icon or hide it.
→Point to left or right of screen outside than push the button of "Pointer".

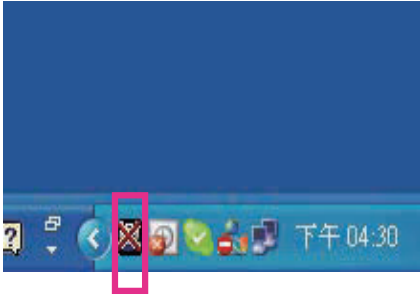


Installation for Mac

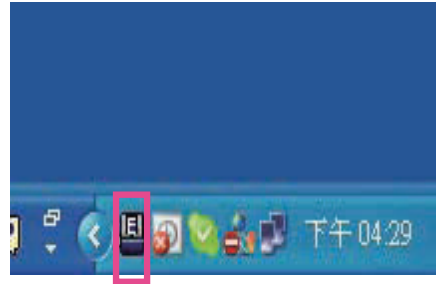
Warning !

When the icon is shown as (A), it means that USB cable doesn't connect. If icon is shown as (B), it means you can use LightPen function.

(A)



(B)



Installation for Mac

5. Section Five: Function Of Icon

Icon position

Push the button of “Pointer” to select icon’s position on either the right-side or left-side of screen.

Mouse

Function of computer mouse

Pen

Function of pen

Eraser

To eraser drawing Stepwise

Select the fineness of pen

To select the fineness of pen

Select the color of pen

To select the color of pen

Eraser all

To erase all drawings at once

Save files

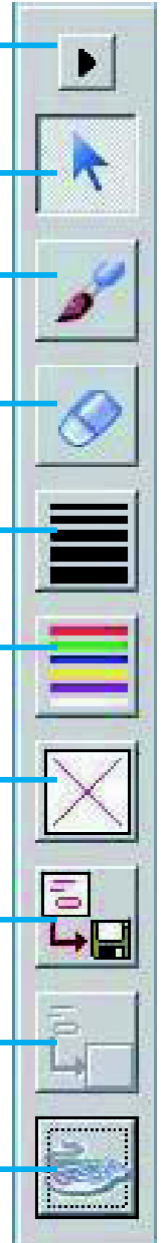
To save the current page into computer

Redraw

To recall the previous drawing you've made

Virtual keyboard

To select letter/number/character for key-in



Troubleshooting

1. Q: Why can't install the program?

A: You might need to log in as “administrator” to be able to install program to your computer. Consult with your I/T engineers to help you in this case. In addition, program will be deleted if you install twice due to the setting of program. In this case, please install again.

2. Q: Why is it showing “No lightPen found”?

A: The possible reasons for this might be:

(1) USB cable not well connected.

Please check and make sure the cable is well connected between PC and projector.

* Some Anti-virus program will disable the USB port. Please close the anti-virus program and start the “LightPen” program again.

(2) USB driver is not well installed.

(3) The length of USB cable is too long. The USB cable should be shorter than 1.5M. If you would like to require longer cable, please purchase proper USB extension cable from your dealer.

(4) USB port on computer malfunction.

Please check if the USB port is functioning. If not, please consult with I/T engineer.

Some note book computer will disable USB ports when the battery is low. Please try to use AC power. Some note book computers do not provide standard 500mA to the USB port or the USB converter is not working properly, in this case please use our standard USB cable.

3. Q: Why the green cross target does not appear after running LightPen calibration?

A: This is signaling too weak caused by using USB cable either poor quality or too long. Try a better quality USB or use proper USB extension cable.

Troubleshooting

4. Q: Why can't I make the green cross target turn into black in calibration procedure?

A: Possible reasons are the wand or LightPen is out of battery or the system not working properly caused by strong ambient light interference.

5. Q: Why the green cross target turns into black itself?

A: This is caused by strong ambient light interference. Try to control the ambient light.

6. Q: What is considered as “strong ambient light interference”?

A: Strong ambient light is usually caused by the following:

- (1) Sun light direct projection on the screen. You can use curtain to avoid this.
- (2) Tungsten lamp working close to the sensor. Try to move the tungsten lamp away from the sensor or switch it off.

7. Q: Why is the cursor not at the position pointed?

A: The possible reasons for this are:

- (1) The system not calibrated well. Try to point to the “center” of green cross target when you run calibration.
- (2) The position of the projector, screen or projection size has been changed.
- (3) The image resolution has been changed.

Run the calibration procedure again will solve the problem.

8. Q: Why is the LightPen not working?

A: The reasons for this are:

- (1) When using LightPen device, writing in shadow area won't work as the signal can't be received by the sensor.
- (2) LightPen battery is low or battery cap is loose.
- (3) Strong ambient light interference.
- (4) USB cable not well connected.

Troubleshooting

9. Q: Why is the cursor jumping?

A: This is caused by strong ambient light interference. Try to avoid strong ambient light interference especially strong sun light directly projection on the screen.

10. Q: Why is the LightPen not working after the computer wake up from standby?

A: In some cases if the computer goes into standby mode, the computer will shot the USB port. In this case, close the LightPen program and then run it again.

Remark:

1. The LightPen is working on light signal. Strong ambient light interference will cause it to work abnormally. Make sure there is not strong ambient light.(ex, sunlight or tungsten lamp directly projection to the screen or the sensor.)
2. When using LightPen device, writing in shadow area won't work as the signal can't be received by the sensor.
3. The operation system must be Windows 2000 service pack 2 and above, and MAC OS 10.4 &10.5. USB port must support USB 2.0.
4. It is required to use USB cable shorter than 1.5m.
For more longer requirement such as ceiling application, please contact with your dealer to purchase proper USB extension cable.