

## Legends

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**Instruction:** additional instruction for software

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**Note:** the problems which may occur during your using of the board and how to resolve and avoid them.

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**Warning:** Harm to human body may occur in the course of using, or damage to the product may occur due to the improper use of the product.

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## Caution Note

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- To avoid electric shock, please do not install the interactive electronic iboard at humid locations or locations with smoke!
- After the interactive electronic iboard is installed, do not touch its power cable or data cable!
- Keep the interactive electronic iboard away from fire, electric shock and direct sunlight!
- After the interactive electronic iboard is installed, make sure the iboard is firmly fixed!



When the interactive electronic iboard is used together with the projector, do not directly watch the light beam sent from the projector.



### **Important Note**

- Only erasable interactive iboard can be written on with pen of color (including normal whiteboard markers and so on), while for other kinds of boards only using the electronic pens of the interactive iboard.
- Please make sure the electronic iboard is correctly connected with the computer, and normally powered. It is preferable that the connection cables and power cables be hidden for the wiring so as to prevent the cables from being pulled or drawn.



### **General Note:**

- Do not scratch the surface or frame of the board with sharp or hard objects.
- Environment around: there must be no intense magnetic field
- When to be mounted on wall, the board must be leaned firmly on the wall.
- When writing on the board with the electronic pen, please keep the pen upright to the board and write lightly.
- If the interactive electronic iboard is fixed on the wall surface, it must be vertical to the wall surface. If the wall surface is made of metal or magnetic materials, a space of 10cm must be kept between the electronic iboard and the wall surface.

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## Introduction

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### Brief Introduction

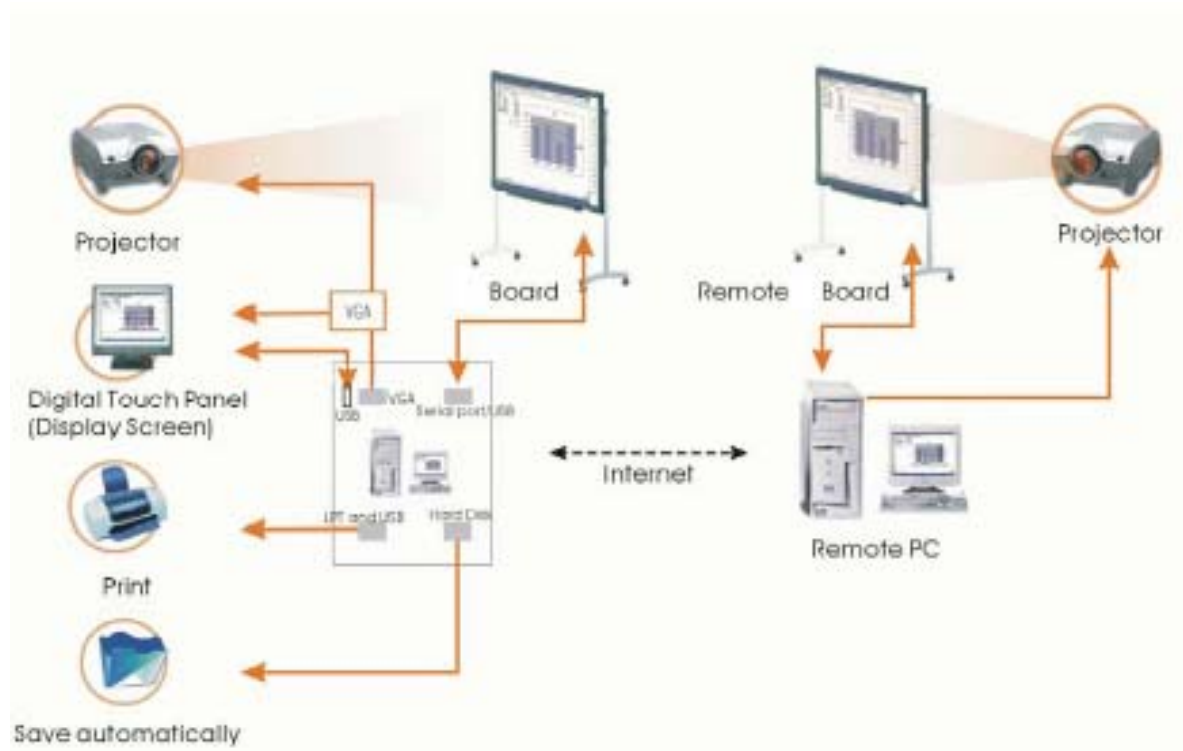
As a new generation of digital educational device that will finally substitute traditional blackboards and chalks, Interactive iboard is a combination of edge electronic technologies, software technologies and Internet technologies. It is a revolution to the old blackboard-and-chalk pattern that has lasted for hundreds of years.

Interactive iboard is a PC-based input equipment, which, when connected with projector and PC, can realized functions such as writing , noting, drawing geometric graphics, editing, printing and storing. Interactive iboard will become mainstream equipment for teaching, meeting, remote education and information exchange in the future.

### Features

- Applying special techniques as well as advanced and reliable technologies such as electromagnetic induction and digital locating, it can create interactive environment for teaching and demonstration if connected with PC and projector under the support of dedicated software.
- Electronic pen can operate your PC instead of mouse.
- Using electronic pen, you can write, note, erase, copy, clone, replay and save files.
- The upgradeable and expandable software can offer functions such as partially magnifying, partially editing, searchlight, replaying, calligraphy effect, camera, screen and customized template.
- It also features high tracking accuracy, quick response and sensitive operation. The advanced processing algorithm adopted in this device results much better response speed and the operation sensitivity compared to pressure sensitive whiteboard and infrared-ultrasonic whiteboard.
- It also boasts of low reflection, high wear-proof, accurate focus, excellent projection effect and suitability for long time watching. The long-life panel can endures. 10 million times of scribing.
- High precision locating : resolution up to 4096×4096.
- You can write words, digitals and fine lines on it.
- Adopting independent IP and proprietary production techniques.

## Topological Diagram



## System Requirements

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	Minimal configuration	Suggested Configuration
Hardware Configuration	PII 450MHz	PIII 800MHz or more
	128 MB RAM	256 MB RAM or more
Software configuration	Windows 98 SE, ME, 2000, XP	Windows2000, XP
	Microsoft Internet Explorer 6.0.0	Microsoft Internet Explorer 6.0.0

## Unpacking Interactive Iboard

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1. The interactive iboard components:

One set of interactive iboard consists of two parts of packages:



the package of iboard



the packaging container of iboard  
standard accessories

One Interactive iboard set package contains:

Interactive white board set:



Installing hangers of the interactive iboard set  
Wall hanger Hanger installed on the rim of iboard







Tray



## 2. Standard Accessories

Standard **Accessories** include:

Description	Specification	Quantity	Purpose	Picture
electronic iboard pen	Dedicatet	3	The pen specially designed for interactive iboard, with Type-7# batteries of 1.5V.	
USB-RS232 connecting cable	10 meters	1	The dedicated cables connecting computer and interactive iboard	
"IBOARD Install Software" disc	CD	1	drive and application software	
"Interactive whiteboard User guide"		1		

### 3. Optional Accessories

If the interactive iboard is not installed on wall, you may choose to install it by mobile floor stand.

A mobile floor stand includes side beam, crossbeam, lift board and screw etc. See the following figure (lower and left).



Mobile floor Stand components

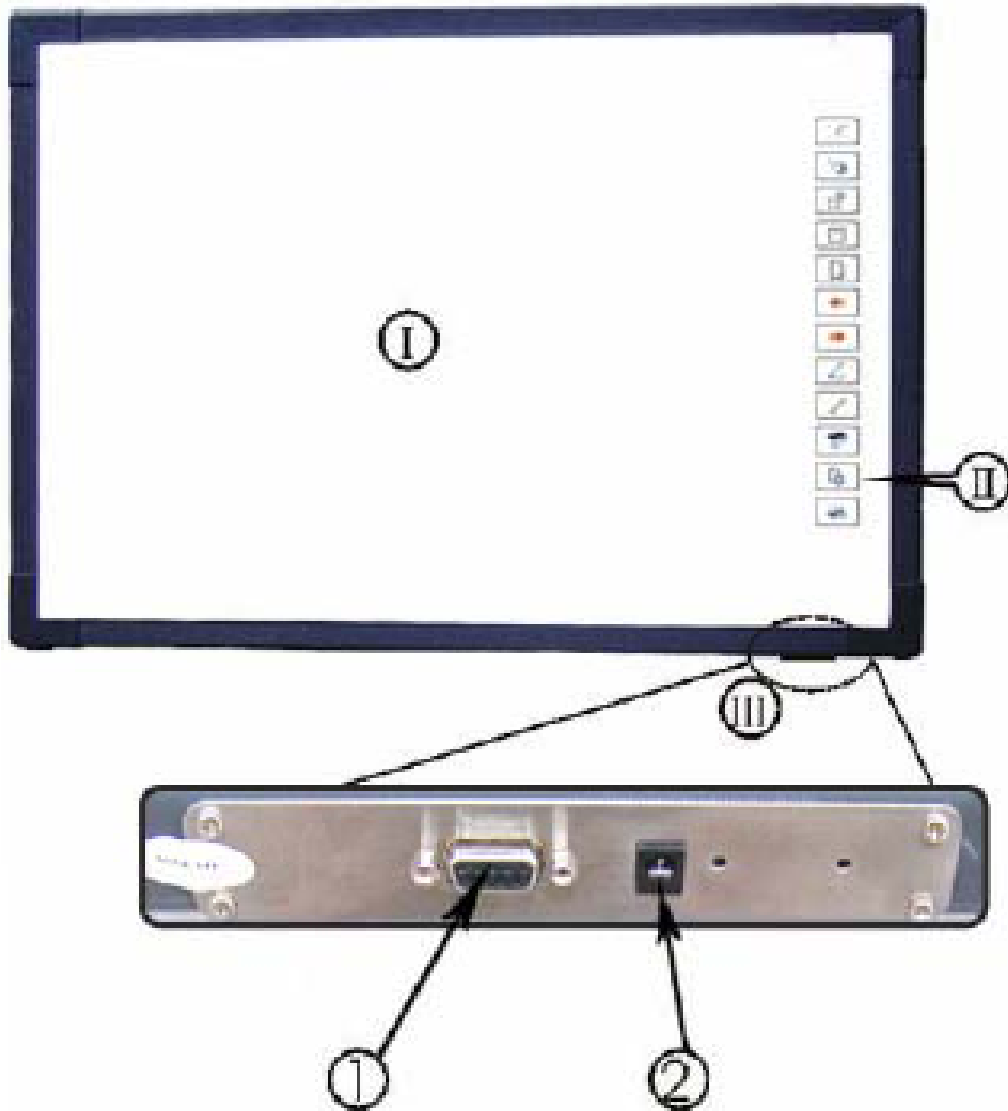


Mobile floor Stand

## Description of Appearance

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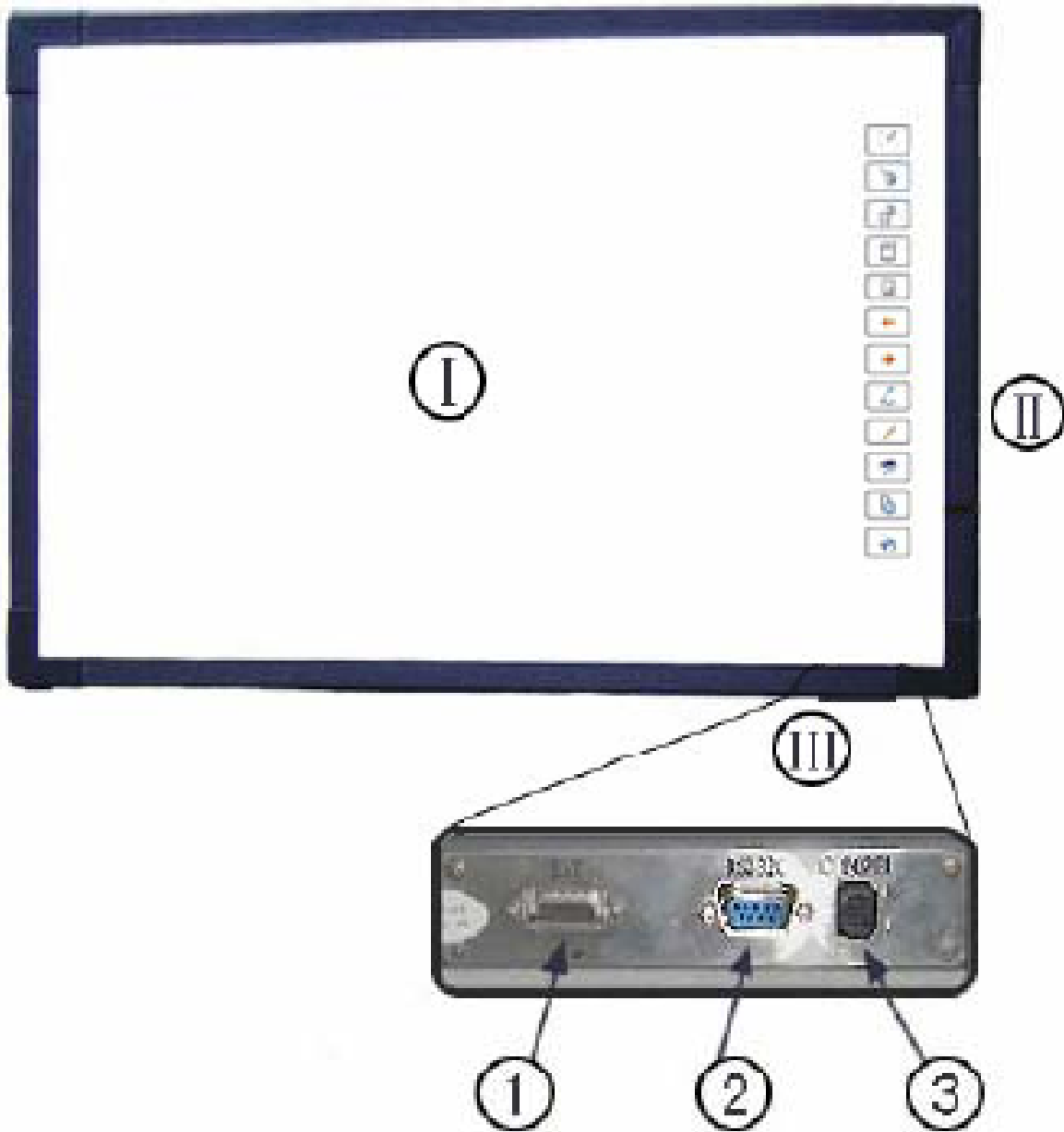
Iboard with USB port Supply Power :



- I. Writing Area
- II. Function keys
- III. Interface Board

- 1. Serial port
- 2. Power Socket

**Iboard with Adapter Supply Power :**



- I. Writing Area
- II. Function keys
- III. Interface Board

- 1. Expansion Port(for wireless module)
- 2. Serial port
- 3. Power Socket

## Installation

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### 1 . Install and Fix Interactive Iboard

#### Hanging type

Select proper wall face, and fix hanging parts on wall face according to size of interactive iboard, then hang the interactive iboard onto the hanging parts. (Prior to installation, please install the tray). Ref.< **Installation Diagram of Interactive whiteboard**>.

#### Bracket type installation( brackets are optional parts)

Assembly the brackets according to Bracket installation Diagram, then hang the interactive iboard up. Referring to <**Bracket Installation Diagram**>.

### 2 . Connect Interactive Iboard

Connect it to USB port of PC , USB supply DC Power



## Connecting it To RS232 port of PC, Adapter supply DC Power



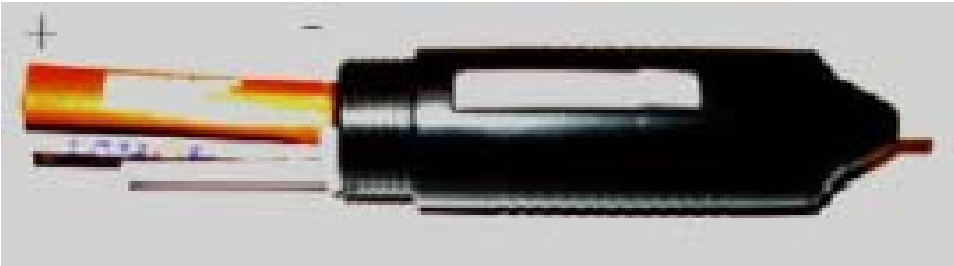
- 1) Fix interactive iboard.
- 2) Connect interactive iboard to PC using gorge line.
- 3) Wire the power cord into DC POWER plug socket of interactive iboard



Interactive iboard and PC should be power off when processing all connections!!!

### 3. Install Battery of Electronic Pen

Turn the rear cap of the electronic pen counter-clockwise to open it, load one 7# 1.5V battery according to the following figure, then tighten the rear cap clockwise.



### 4. Install IBOARD Software

- a) Insert "IBOARD install software" disc
- b) Click program logo
- c) Enter to the IBOARD setup wizard page
- d) Click install whiteboard software
- e) Select language
- 5) Select destination
- 6) Select install type

## 5. Uninstall IBOARD software

Open Add or Delete program window, select IBOARD Software, Click button of Change or Delete program(or to insert "Iboard Install Software" Disk to CD-ROM, and double click installation→ of software) to enter guide of Uninstall, then follow prompt of setup wizard step by step.

## 6. Install USB - RS232 connection cable Driver



**Do not put the USB-cable in the computer until the driver has been installed!**

**If USB-RS232 connection cable is used, the corresponding driver must be installed. If the exclusively used serial port cable is employed, it is unnecessary to install the driver for connection cables.**

When USB-RS232 connection cable is used to connect the electronic iboard to the computer, the driver for USB-RS232 connection cable should be installed.

- 1) INSERT "IBOARD Install Software" disc
- 2) Click install USB Driver (when software is installed it's recommended to restart your pc)
- 3) Once connected correctly, in My Computer-Device Manager, you will see the device CP210X USB to UART Bridge Controller.



**When USB-RS232 connection cable is used to connect the electronic iboard to the computer, the driver for USB-RS232 connection cable must be installed. Otherwise, the data communication between the interactive electronic iboard and the computer can't be realized.**

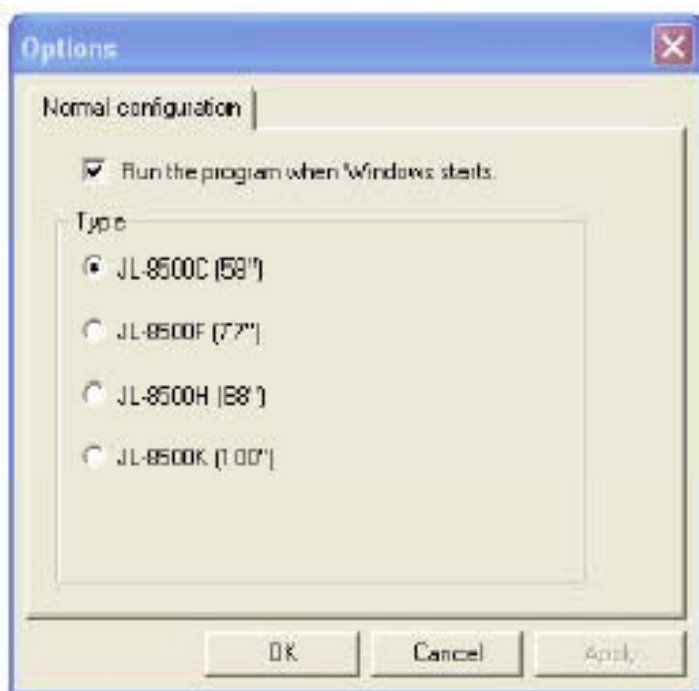
## Run the Software

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### 1. Startup driver of interactive iboard

1) Click **"Start" → "All programs" → "Whiteboard Software" → "IBOARD Software" → "IBOARD DRIVER"**, and start iboard driver. It will show a tray icon of communication module in status bar lower-right corner of desktop.


2) Click tray icon after successfully connecting interactive iboard, select **"Option"** from the popup menu to enter set interface of interactive iboard driver, then select the correct model of interactive iboard required (look up model from label on back side of interactive iboard), as shown as follow:

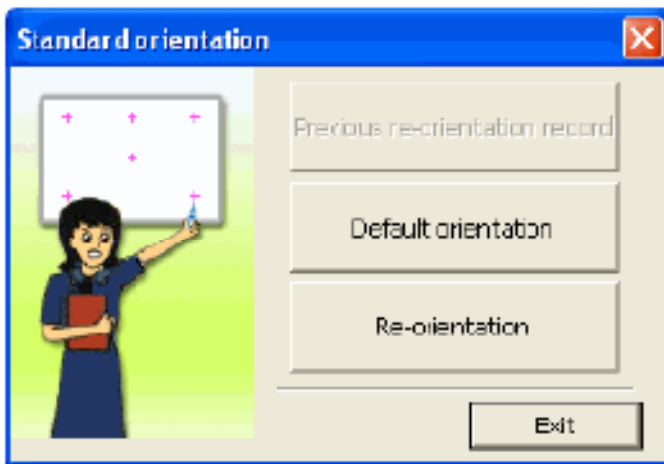




If it shows "Communication with board failed", please check whether there is a good connection between iboard and PC", then check whether the interactive iboard is power on, whether the tie line between interactive iboard and PC is correct. When check-off, click tray icon of interactive iboard, select item of "Reconnect Whiteboard" on the popup menu.

## 2. Orient the interactive iboard

1) Click tray icon  of interactive iboard by left key of mouse, select "**Orientation**" on the popup menu to enter locating interface of iboard, and select one locating mode required, as shown below.



2) Left click "**Re-orientation**", it will popup window of Orientation, click central position of the flashing sign "+" using electronic pen. Click it following prompt (there are six orientation points in all, left up, right up, right down, left down, top up and middle).as shown below:





- Please select "Re-orientation" when the first time to install interactive iboard or position of hardware unit (projector and interactive iboard) has been changed.
- You can have a fast orientation by selecting "Previous re-orientation record" so as to ensure accuracy, if there are no hardware changes since last time.
- When no need for accurate orientation, you can select" default orientation".

### 3. Startup application software of interactive iboard

1) Click "Start"→"All programs "→" whiteboard Software"→"IBOARD Software"→"IBOARD SOFTWARE", and startup application program, then it will popup a Logon window.












**There is no login/password needed to open the software! This is optional, to continue just click "login"!**

2) It will enter software control mode after successful login in.



**Ensure the connection between interactive iboard and PC is good and driver of interactive iboard is running before starting up application software. if not, application program will not startup normally .**

## Function Keys

Function keys	Definition	Control Mode	Window Mode	Annotation Mode
	Orientation	Orientation	Orientation	Orientation
	Control Mode	No Effect	Switch to control mode	Switch to control mode
	Annotation Mode	Switch to annotation mode	Switch to annotation mode	No Effect
	Window Mode	No Effect	Head Page	Head Page
	Create a blank page	Create a blank page	Create a blank page	Create a blank page
	Page Up	No Effect	Page Up	Page Up
	Page Down	No Effect	Page Down	Page Down
	Normal Pen	Switch to annotation mode and use Normal Pen	Normal Pen	Normal Pen
	Transparent Pen	Switch to annotation mode and use Transparent Pen	Transparent Pen	Transparent Pen
	Eraser	Eraser	Eraser	Eraser
	Replay	Replay Pages	Replay Pages	Replay Pages
	Print	Print	Print	Print

## Trouble Shooting

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### **1. If it shows " Failed to verify the IBOARD, the program can't run further!", please check whether there is a good connection between iboard and PC."**

- Please check whether having used special-purpose gorge line of iboard, and whether there is a good connection for gorge line.
- When connection is made through the USB2.0 to RS232C cable, check whether it is correctly connected with special-purpose gorge line.
- Check whether the iboard is power-on (It is normal only when the yellow and green indicator lamps on plug socket of power lightning).
- Check whether serial ports from COM1 to COM4 have been occupied, and you must select one serial port from COM1 to COM4 for iboard.
- Check whether driver of iboard has been setup correctly.

### **2. When startup software,It shows "Error happen when Loading XML File".**

- Check the version of Internet Explorer,upgrade IE to version 6.0 when it is 5.0 or lower.

### **3. Only part of iboard can be written on.**

- Check whether the model of iboard set in driver accords with real object.
- Check whether orientation of iboard is correct.

### **4. Some orientation points can not found when orienting the iboard.**

- Check whether lateral deviation and vertical offset of projector are correct. Ensure all content on PC screen can be projected wholly to iboard.

### **5. Electronic pen cannot write normally.**

- Check current working mode of software. Writing is effective only under Draw Mode or Annotation Mode, and not effective under Control Mode.
- Do not press button on electronic pen when writing.
- Please keep the neb of electronic pen is vertical to panel of iboard.
- You should not press the electronic pen tightly.
- Check whether the battery is full of power, if not, replace new ones.

### **6. How to exit from software of iboard ?**

- Click icon button of "**Pop Menu**" on Floating Tool Bar, click "**Exit**" in the pop up menu.
- Or click "File"( on main menu)→"**Exit**".

### **7. Why image Projected is shape of trapezia? why to adjust it, and how to adjust it?**

- It may be that projector is not level (like, the front is higher than the back or the back is higher than the front),so a trapezia appears.
- The image will be in distortion when trapezia appears, so you must adjust it to normal condition.

- Generally, it can be adjusted by using a remote manipulator or to adjust height of projector. For details, please refer to user's manual of projector.
- Trapezia Rectan

### **8. What type of projector is needed to match with the interactive iboard?**

The projector shall satisfy with three items as below.

- 1) Front projector
- 2) Support resolution of PC
- 3) Least luminous power shall be more than 500 lumina, for detail requirements, please refer to size of room.

### **9. How to do it when serial port is occupied.**

- Both table model and notebook PC allow to add some new serial port, there are two ways to select
- Install a serial port card on PC (note: generally, PCMCIA serial port card for notebook PC)
- Using "USB2.0 to RS232C+ special designed gorge line" to connect whiteboard with PC together.

### **10. Can 25-pin serial port replace 9-pin serial port?**

- Yes, but only you have installed an adapter from 25 to 9 pins on PC.

### **11. What to do when having used an un-erasable and unctuousity color pen to write on iboard.**

- Never use unctuousity color pen writing on iboard! Once you have done it, clean it lightly using absorbent cotton dipped with alcohol.

### **12. How to clean the panel of IBOARD?**

- Clean the panel lightly using a piece of cleanly damping cloth.

**Attention:** you have to wring out the damping cloth, there are must not be floating water, and you must prevent some water infiltrating into internal side of iboard.

## Performance index

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Hardware Platform	Common PC, notebook PC
Operation System	Win98/ Me/2000/XP/2003
Transmission Interface	RS-232C/USB
Resolution	4096×4096
Data-signaling rate	19200Baud Rate
Operating Principle	Wireless electromagnetic induction
Operate Mode	Control Mode/ Window Mode / Annotation Mode.
USB Power Supply	DC 5V 100mA Or Powered by external 5V adapter
Powered by exclusively used adapter	Input: AC 220V 50Hz Output : DC 9V
Service life of battery of electronic pen	Different service life for different battery, common alkaline battery can endures three months.
Working Temperature	-20 ~ +55
Power capability	< 7W