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# **IQClassV2.1 User Manual**

**(Service End)**



**锐达互动**  
Returnstar Interactive

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**Add:** 6th Building, Pioneer Park I, Fuzhou High-technology Base, Shangjie  
Town, Minhou County, Fuzhou, China

**Web:** [www.iqboard.net](http://www.iqboard.net); [www.recoverystar.com](http://www.recoverystar.com)

**Tel:** 0086-591-38202660

**Fax:** 0086-591-382026600591-38203003

**E-mail:** [master@iqboard.net](mailto:master@iqboard.net)

## **Statement**

This manual is for IQClass V2.1.

Use this product strictly according to detailed operation instruction in this manual so as to ensure proper use. Please read this manual carefully before you install this product.

Opening the package means you have agreed to purchase this product, Returnstar will not accept returns of opened packages.

The product specification may be subject to change without prior notice. The sample pictures in this User Manual may differ from the real product.

Returnstar reserves all rights to charge the fee at anytime for product replacement, revision and update. The information in this manual is subject to regular change without prior notice. Returnstar will make no warranties with respect to this product and disclaims any warranties, whether express or implied, of merchantability and fitness for a particular purpose.

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# Part I Foreword

## Chapter 1 Product Introduction

IQClass is a powerful and new generation software platform for demonstration and teaching. It seamlessly connects with all kinds of interactive teaching equipments, such as interactive whiteboards, touch all-in-ones, interactive projection module, interactive projector, document camera, lesson preparing machine and so on. With IQClass, various powerful functions, such as freehand writing, annotation, handwriting recognition, charts, screen record, animation, page show, interactive response, interactive exam, vote, video conference and subject tools are accessible for teachers and presenters. With IQClass, it becomes so easy to create a vivi and wonderful class and demonstration.

**Powerful Functions:** Besides covering all functions of IQClass, IQClass can also interact with IQClick and IQPAD .

**Good Interaction Effect:** With IQClass, students are not passive listeners as before. Interaction and enthusiasm is increased for both teaching and learning.

**Easy to use:** Lessons and tests can be prepared by both IQClass and PowerPoint. After lessons, IQClass helps teachers free from time-consuming task with test paper auto checking and marking.

## Chapter 2 In/Uninstall, Register and Update


### 2.1 System Requirements

Windows XP/2003/Vista/7/8  
Celeron 2.66 or higher  
256MB RAM (512 MB recommended)  
Microsoft DirectX8.0 or above  
1G free hard disk space (for full installation)  
Screen resolution: 1024×768 or above

### 2.2 Install

#### 2.2.1 Install IQClassV2.1

Run the application program of [ IQCLASS V2.1.exe ], then follow the on-screen instruction to

install the software. After successful installation, an icon like  will appear on the desktop.

#### 2.2.2 Install Resource Library

Double-click “Resource Library V5.0 (Full)” in the installation CD, then follow the on-screen instruction to install the Resource Library.

## 2.3 Uninstall

### 2.3.1 Uninstall IQClassV2.1

Three ways to uninstall IQClass:

- 1) Click *Start > Programs > IQClass V2.1>Uninstall*;
- 2) Open “*Control Panel*”, select “*Add/Remove Programs*”, and in the list of *Currently Installed Programs*, select “*IQClass V2.1*”, then click “*Remove*”;
- 3) Click *IQClass V2.1* on the installation CD again.



**Note:** You can also choose *Repair in Uninstallation window* to repair errors in the most recent installation.

### 2.3.2 Uninstall Resource Library

1. Three ways to start uninstallation of Resource Library:

- 1) When you uninstall the IQClass, the system will prompt you whether to uninstall the Resource Library at the same time;
  - 2) Open “*Control Panel*”, select “*Add/Remove Programs*”, and in the list of *Currently Installed Programs*, select “*Resource Library V5.0 (Full)*”, then click “*Remove*”;
  - 3) Click “*Resource Library V5.0 (Full)*” on the installation CD again.
2. Follow the on-screen instruction to uninstall the resource library.

## 2.4 Register

### 2.4.1 Trial

IQClass has 30 trial times, which are counted by the times you start the software. After the trial times have run out, please register if you want to continue using the software.

### 2.4.2 Register

#### 2.4.2.1 Register by Product SN

When you start the unregistered IQClass, the following Register window will appear. You can also open the Register window by selecting “*Register*” on the taskbar icon.

**Register IQClass**

This software has 30 times of trial, 6 times left!

Information

Licence No.:  \* (16 characters)

Company:  \* (Cannot exceed 100 characters)

Name:  \* (Not more than 20 characters)

Telephone:  \* (Cannot exceed 20 digits)

E-mail:  \* (Cannot exceed 50 characters)

Address:  \* (Not more than 100 characters)

Country:  \* (Not more than 50 characters)

Note:

1. Before you register IQClass, please make sure your computer has been connected to Internet.
2. In order to effectively provide you our after-sales service, please enter your E-mail address and telephone number.
3. Software with single user license can only be registered on one computer, while Software with enterprise license can be registered on several computers. When registering software, you will be reminded how many computers you can still register the software on. Please check in time whether you can register the software on computers up to the amount stipulated on the software license.

Trial Register Exit

Input Product SN and other information in the Register Window, then click “Register” to finish the registration.



**Note:** If you buy School/Educational Institution/Enterprise Authorized Version, then the name of the School/Educational Institution/Enterprise will be displayed on Start interface, Main Window title bar, About interface, Print Preview window, Printed documents and other output files (except CDF file)


#### 2.4.2.2 Register by USB Key or Receiver

If you want to register by USB Key or Receiver, please plug the accessory USB Key or Receiver into any free USB port on your computer. If no Register window appears when you start the IQClass, the registration is successful.

## 2.5 Update

After starting IQClass, the system will automatically check whether the update package is available. You can also click the taskbar icon, and select “Update” to enter Update window.

**Verifying updating information**

 **Please enter the following user informatin before updating.**

User information:

Company:  \* (Cannot exceed 100 characters)

Name:

Address:

Telephone:  \* (Cannot exceed 20 numbers)

E-mail:  \* (Cannot exceed 50 characters)

Country:

Note:

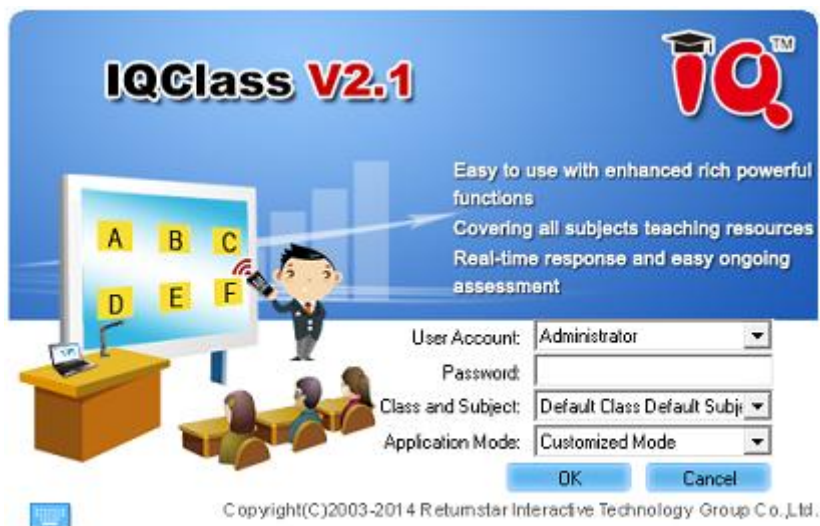
1. Before you update IQBoard Software, please make sure you have connected to Internet.
2. In order to effectively provide you our after-sales service, please enter your correct E-mail address and Telephone number.

# Part II IQBoard User Guide

## Chapter 1 Start IQClass

To start IQClass, operation is as follow:

1. Double-click the “IQClass” desktop shortcut;



IQClass provides teachers with a temporary user account for starting temporary activity without setting class information. You can add other user accounts from “Teacher Settings” after login by administrator.



**Note:** Default User Account for administrator is “administrator”, password is null. After first login, please change and keep password in time.

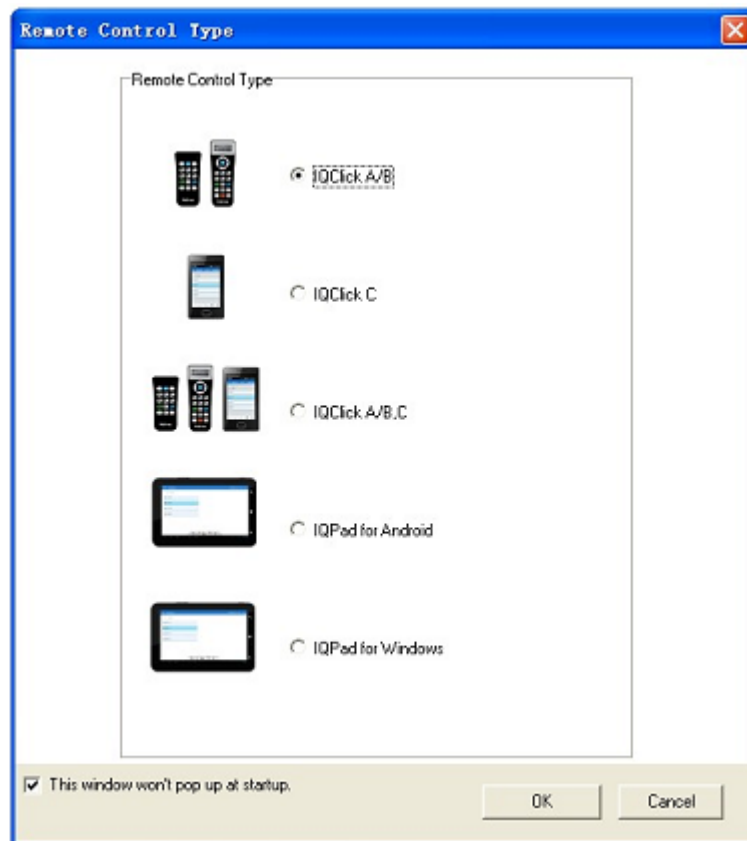
### Remote Control Type Selection

IQClass support to interact with IQClick A/B, IQClick C (Android), IQPad for Android and IQPad for Windows.

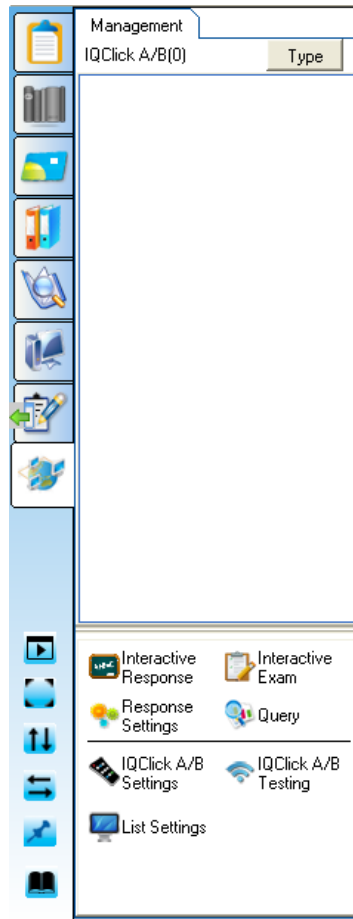
Operation is as follow:

- 1) Select the corresponding type when “Remote Control Type” window appears, then click “OK” button.

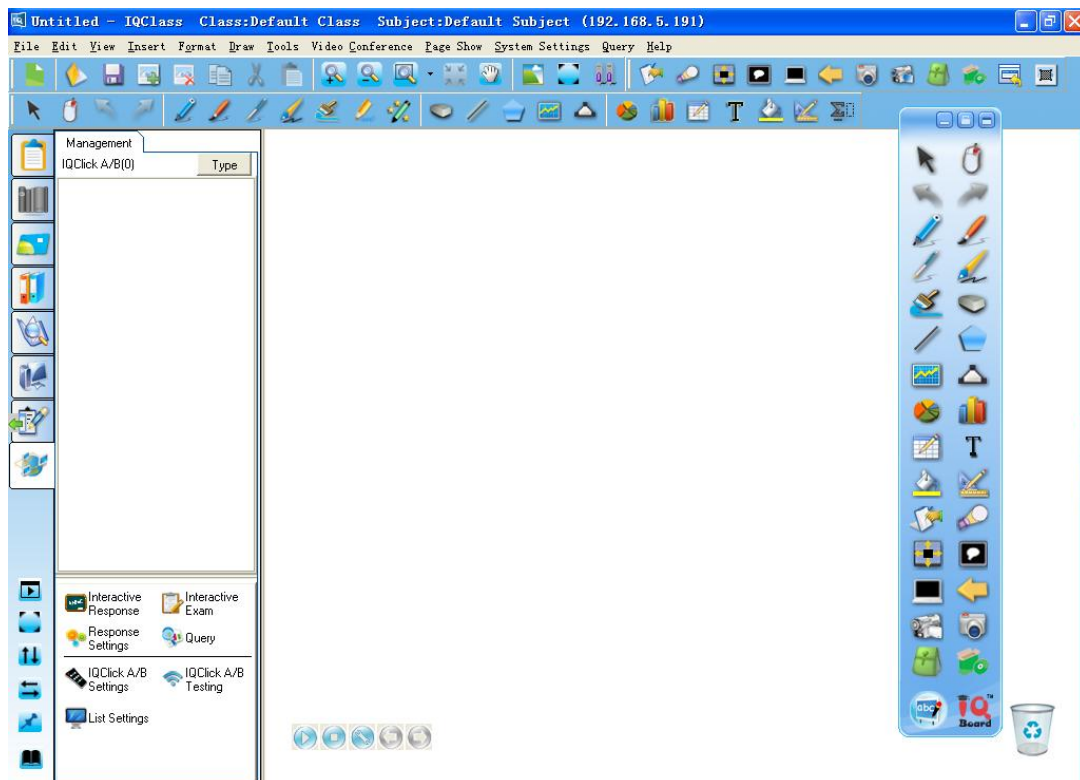





2) Enter the operating interface (as shown below), operation of each type please follow the instructions of each type corresponding user manuals.




## Main Interface



**Switch Floating Tools toolbar's position:** Wherever the Floating Tools toolbar is, there is a position switching arrow  on the contrary side. Click this arrow to move the Floating Tools

toolbar from one side to the other. This function allows you to access the Floating Tools toolbar conveniently on large screen.

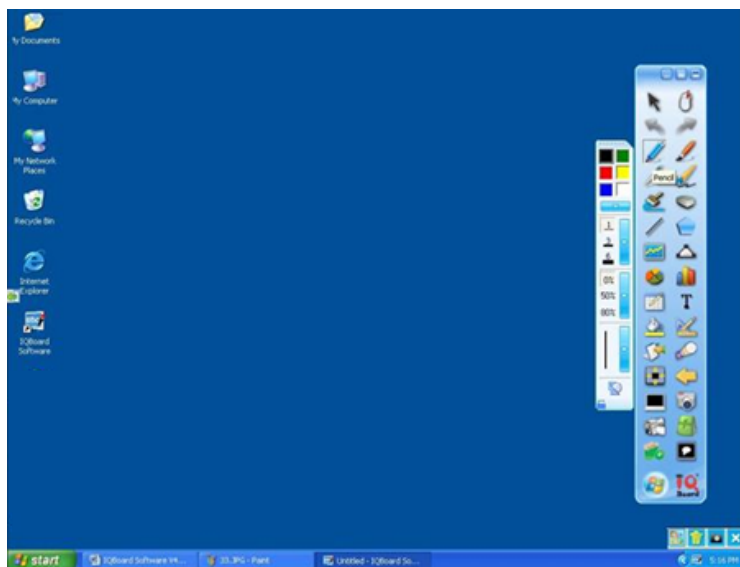
**Dock Floating Tools toolbar:** Move the Floating Tools toolbar to any edge of the screen and the toolbar will automatically hide itself. To show the toolbar, move the cursor to the edge to which the toolbar is docked, or click  button.

## Chapter 2 Working Modes

IQClass has 4 main working modes: Windows Mode, Board Mode and Show Mode and Application Mode. In Windows Mode, you can perform normal computer operation, annotate on screen in digital ink, and use some basic tools in Floating Tools toolbar. Board Mode displays whiteboard pages on screen. If your courseware contains animation effects or interactive questions, you can use Show Mode to display it. And you can choose the display interface as you like in Application Mode.


### 2.1 Windows Mode


You can enter Windows Mode by clicking  button on the Floating Tools toolbar or minimizing the main window of IQClass.



Followings are some useful functions in Windows Mode:

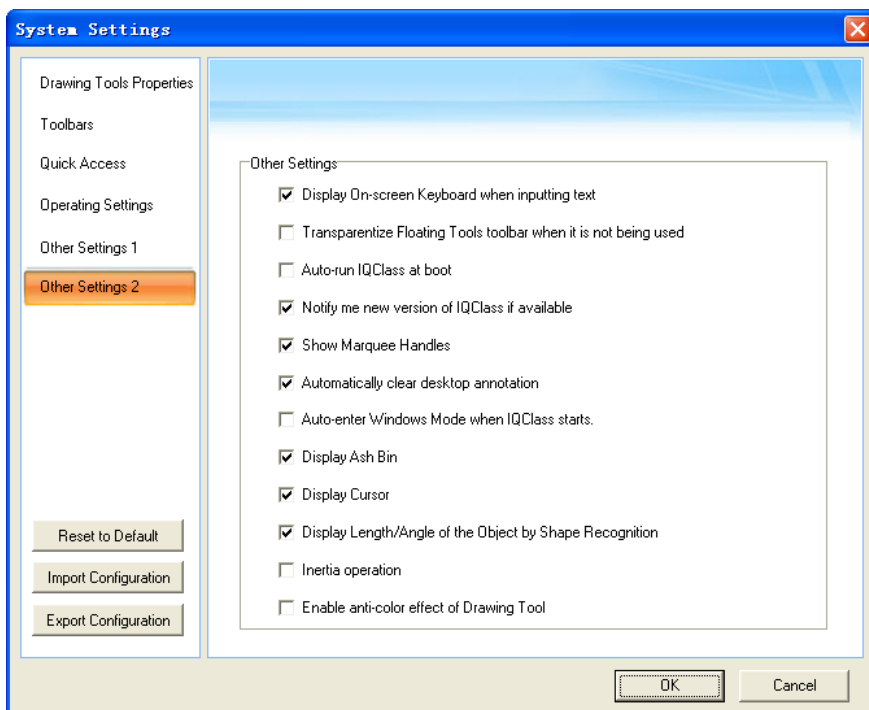
**Annotate on screen:** Select any drawing tool on the Floating Tools toolbar to enter annotating mode, an annotating frame will appear around the screen. You can annotate on screen in digital ink.


**Operate Windows:** When you are not in annotating mode, you can perform normal computer operation as you usually do with mouse. In annotating mode, you can also perform normal computer operation by clicking  button on the Floating Tools toolbar.


**Clear annotation:** Click  button at lower right corner, all annotations created by IQClass will be cleared.

**Auto-clear annotation:** All annotations created by IQClass will be auto-cleared when you



switch or shut down the window. To enable this function, please select “*Automatically Clear Desktop Annotation*” in “*Other Settings*” from “*System Settings*”. This function is selected by default.





**Capture Screen:** Click  button at lower right corner, you can capture the current screen to whiteboard page in Board Mode. All annotations created by IQClass can be edited again.


**Save annotation to Office document:** In case you have opened a Word, Excel or PowerPoint document and made your annotation directly on it, you can click  button at lower right corner to save your annotation to this Office document in original form.




**Go to previous or next page in Office file:** You can click  or  button on the Floating Tools toolbar to go to the previous or next page for Office file you are showing.



**Note:** By default, the  and  buttons are not displayed on the Floating Tools toolbar, you can add them manually through “System Setting > Toolbars”.

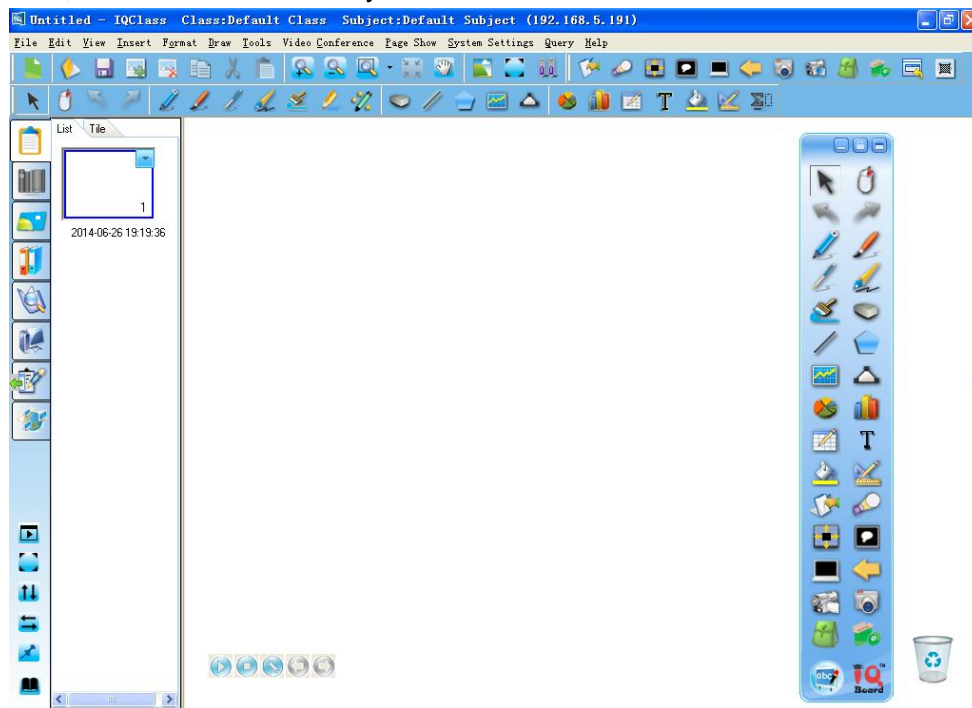
**Exit annotating:** Click  button at lower right corner to close the annotating frame.

## 2.2 Board Mode

Click  button on the Floating Tools toolbar to enter Board Mode including Full Screen Mode, Window Screen Mode and Frame Screen Mode. In this mode, there's a bin in the bottom right corner of the whiteboard page. You can drag an object from the page into the bin to delete it, or select an object then click the bin to clean it.

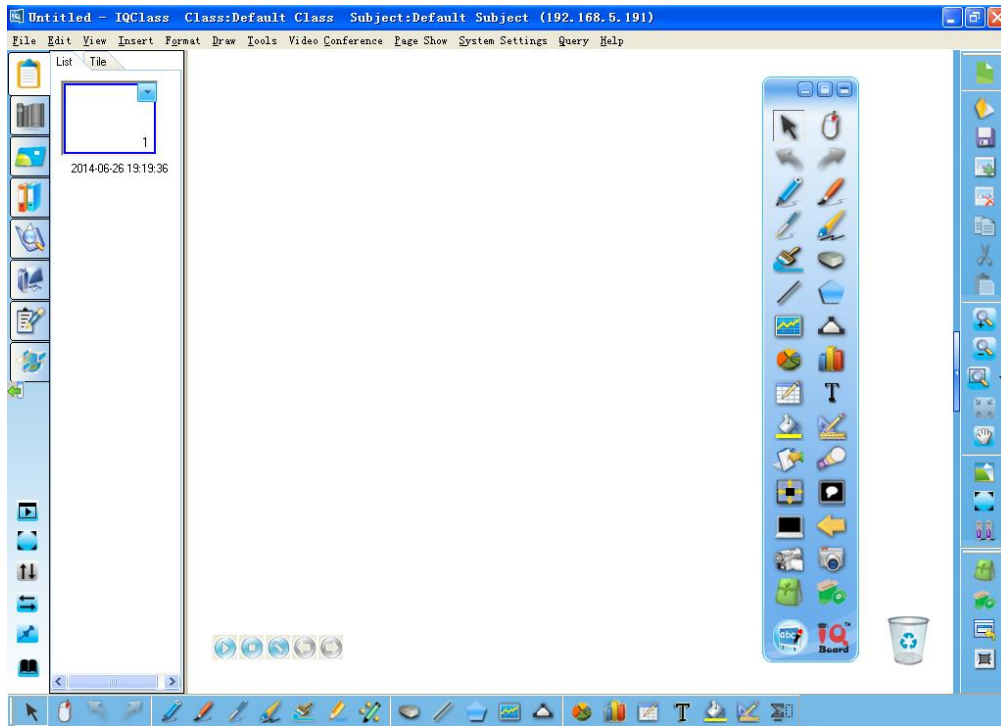
### Window Screen Mode

Start IQClass, and it will automatically enter into Window Screen Mode.




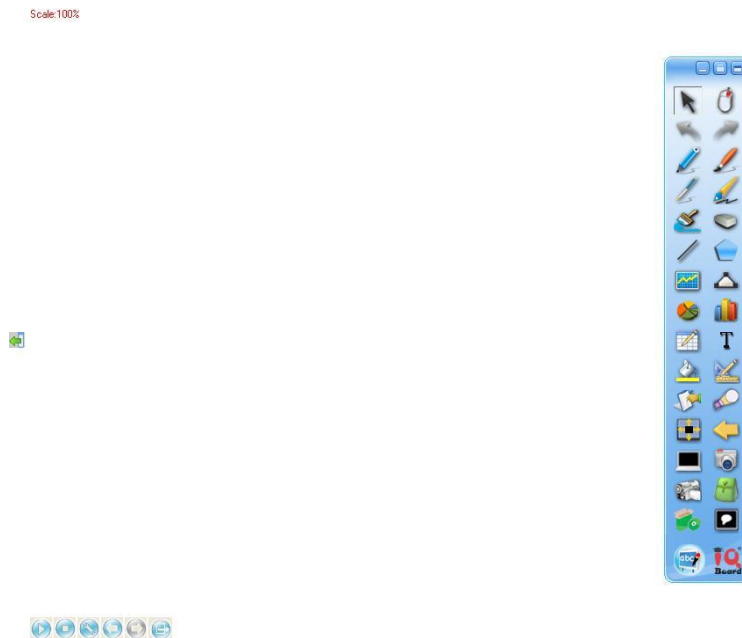
### Frame Screen Mode


To enter Frame Screen Mode, please select “View > Frame Screen”.



## Full Screen Mode

Click  on Common Tools toolbar or Resource Panel, or select “View > Full Screen” to enter into Full Screen Mode.



Under this mode, you can use tools in the Floating Tools toolbar. To exit full screen, click  at lower left corner of the screen.

## 2.3 Show Mode

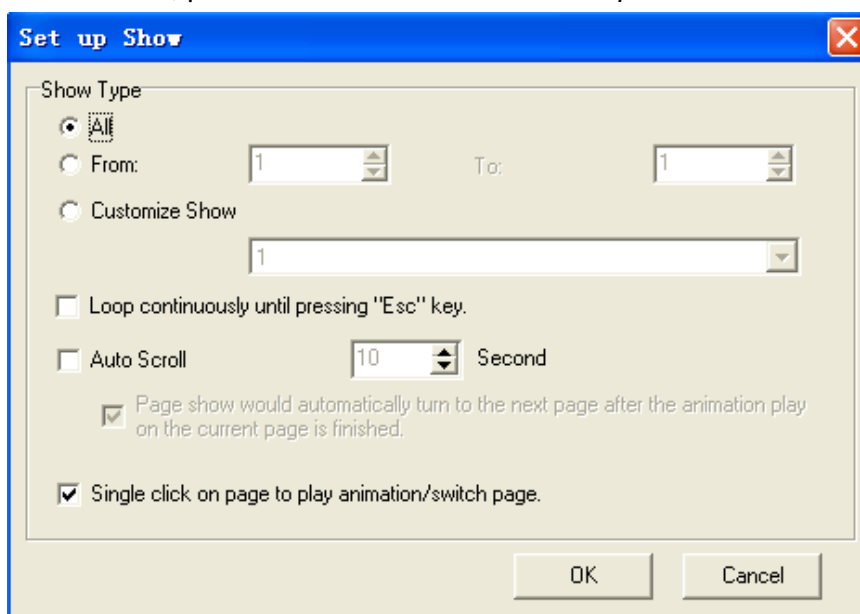
If your courseware contains animation effects or interactive questions, you should present the

courseware in Show Mode. During showing, you can do annotation with drawing tools on Floating Tools toolbar or do other auxiliary operations, but you cannot manipulate the objects, e.g. copy, paste and move.



### 2.3.1 Show Settings



To customize Show Mode, please click “*Show Mode > Set Up Show*” on Menu Bar.



**Page Settings:** You can choose to show all pages or appointed page(s).

**Loop Show:** Courseware will loop continuously until you press “*Esc*” Key.

**Auto Scroll:** You can set interval time of turning page automatically.

**Turn Page:** Click  or  at lower left corner to switch to previous or next page.

While showing, you can select “*Single click on page to play animation/switch page.*” to turn page by single clicking on blank part of page.

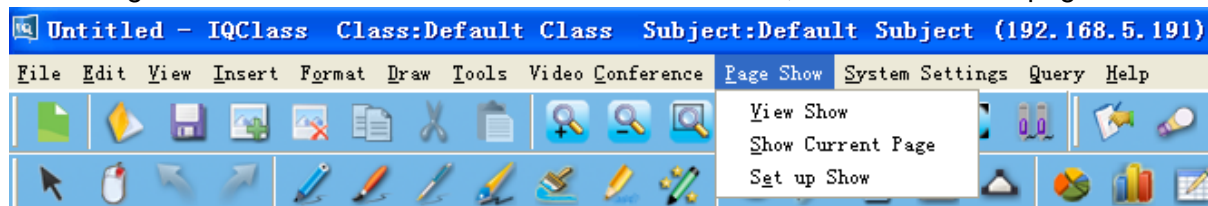
**Note:**

1. By default, all pages will be shown from beginning to end once without Loop Show and Auto Scroll.
2. Interval time for Auto Scroll is 1-99 seconds.

### 2.3.2 Start to Show

Click “Page Show>View Show” on the main menu to show as what you set before. If you open a CDP file, you can enter Show Mode directly.

Click “Page Show>Show Current Pate” to enter Show Mode, show the current page.



### 2.3.3 How to Show

**Object Animation:** While showing, single-click the blank to play a set of objects in order, or you can play the next or previous page by button on the lower left corner of the page.



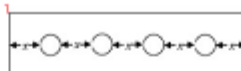
**Page Animation:** While switching to page with animation set under show preview mode, the page animations will be played automatically.

**Answer Questions:**

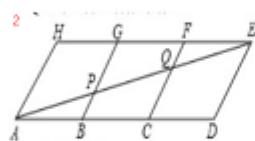
1) Under Show mode, if it is multiple choices, single-click the option you choose, then the chosen one will be displayed with blue outline border. If it is blank filling, then you can directly enter the answers into the filling blank.

1 如图所示，做一个试管架，在acm上钻了4个圆孔，每个孔的直径是2CM，则X=

- A.  $(a+8)/5\text{cm}$       B.  $(a-16)/5\text{cm}$   
 C.  $(a-4)/5\text{cm}$       D.  $(a-8)/5\text{cm}$



2 如图，用三个全等的菱形ABGH、BCFG、CDEF拼成平行四边形ADEH，连接AE与BG、CF分别交于P、Q，若AB=6，求线段BP的长




3 某商人在一次买卖中均以120元卖出两件衣服，一件赚25%，一件赔25%，在这次交易中，该商人（）

- A. 赚16元      B. 赔16元  
 C. 不赚不赔      D. 无法确定

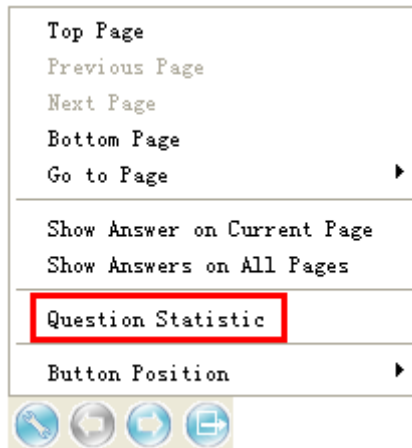


OK

2) Click “OK”, then the system will automatically determine whether the answer is correct or incorrect and response accordingly.

3) After answering, click “Question Statistic” at  on the lower left corner of the show page to check all the answers. The teacher can show current answer or show all answers.





4)Teacher can customize to show the answer of current question or all of the questions in Settings on the lower left corner of the page when they are explaining. In this way, the correct answer will be displayed and selected by green box.

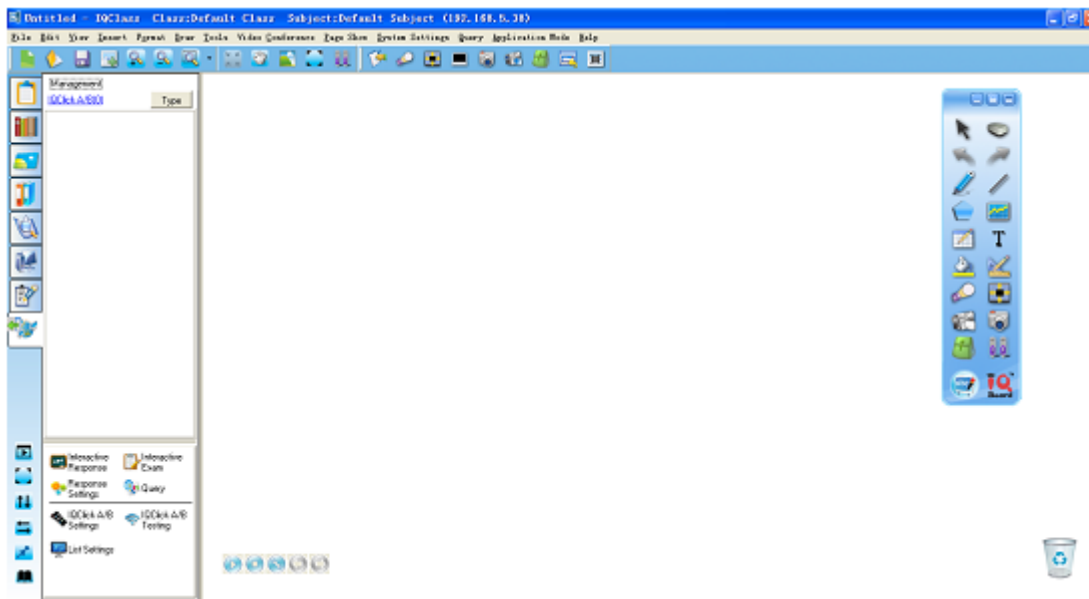
## 2.4 Application Mode

You can choose three kinds of application mode including Lite Mode, Standard Mode and Full-functions Mode(by default) when you are logging. And if you have already loggedin,you can switch the mode in Application Mode of toolbar.

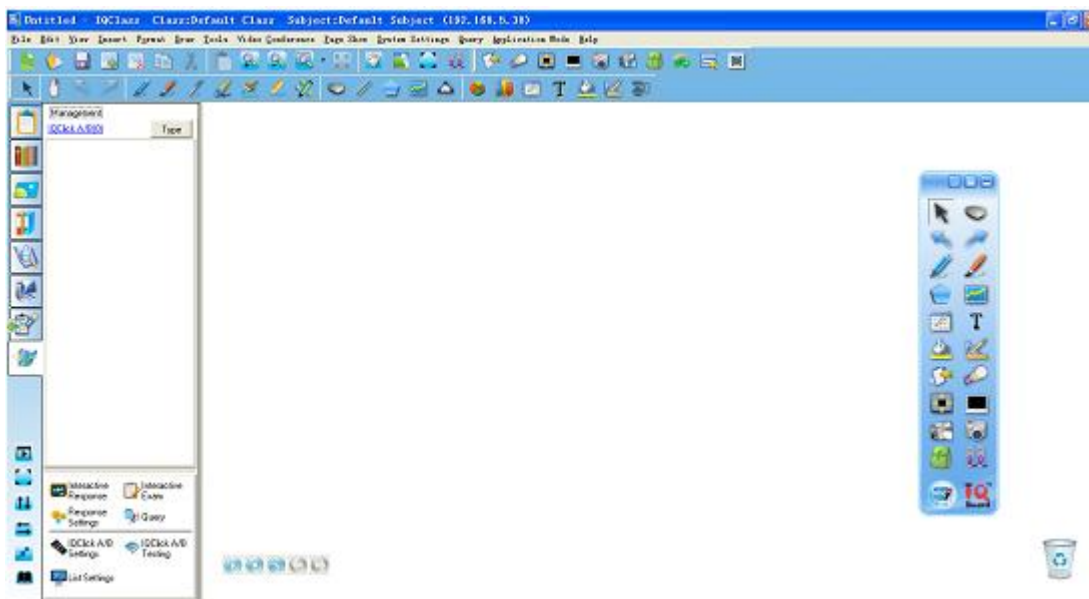
### 2.4.1 Lite Mode




## 2.4.2 Standard Mode



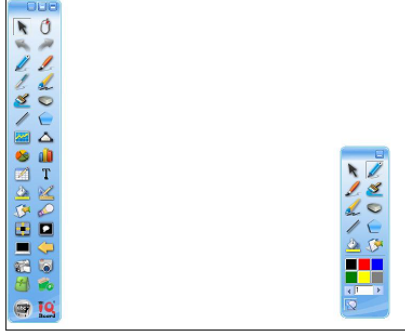
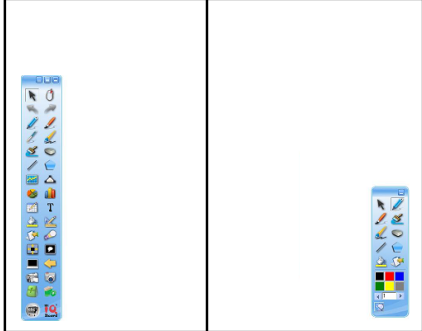

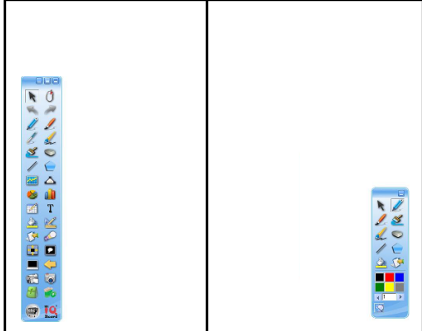
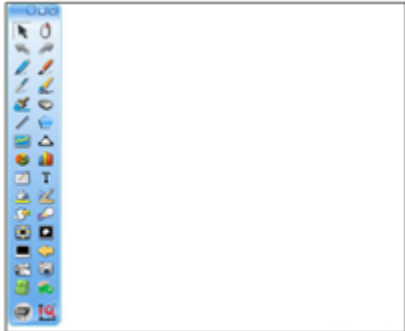
## 2.4.3 Full-featured Mode



## 2.5 Dual-user Mode

1. To enable Dual-user mode, please select "Tools > Dual user" on Menu Bar, or click  on Common Tools toolbar.

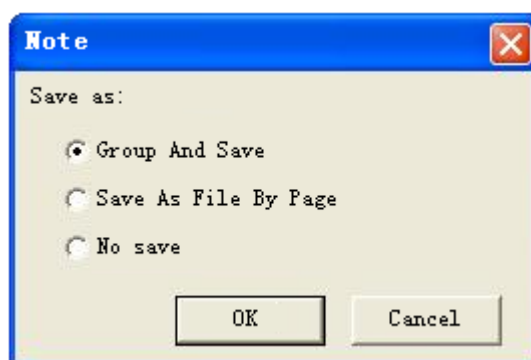
**Dual-user Mode for IQBoards**

<p>IQBoard ET-D IQBoard ET-D Pro</p>	
<p>IQBoard PS-D</p>	
<p>IQBoard LT M2 IQBoard DVT IQBoard IR-D</p> <p> <b>Prompt:</b> Under Dual-user Mode (Full screen), two users can use select, pencil, brush pen, pen, washing brush, board brush, eraser, line, shape and fill simultaneously.</p>	 <p>Dual-user Mode (Split Screen)</p>  <p>Dual-user Mode (Full Screen)</p>

2. In Dual-user Mode, two pens can write on the board simultaneously; however, Teacher Pen and Student Pen can only control its own Floating Tools toolbar respectively.

- The handwriting will be recognized automatically while Student Pen uses “Handwriting recognition”.
- The eraser (except “Erase All”) can clean the digital ink of the other when such writing process is paused.

- When choosing “Erase All”, Teacher Pen can clean all the digital ink of both Teacher Pen and Student Pen, while Student Pen can only clean its own digital ink.
  - In Dual-user Mode, the mouse can only control teacher’s Floating Tools toolbar.
  - The Student Pen cannot control the floating window or other tools, such as timer or screen tools.
  - Left hotkeys which teacher can use in Dual-user Mode: Select, Pens (double-click to change between four colors), Eraser, Application Shortcuts, Tool Shortcuts and Start (show minimized teacher’s Floating Tools toolbar); Right hotkeys which student can use in Dual-user Mode: Select, Pens, Eraser and Start (show minimized student’s Floating Tools toolbar).
3. To exit Dual-user Mode: You have to use Teacher Pen to click on the button at the lower left corner of the board. If Student Pen has been manipulated in Dual-user Mode, when Teacher Pen wants to quit Dual-user Mode, a prompt window will popup like below:



## 2.6 Multi-user Mode

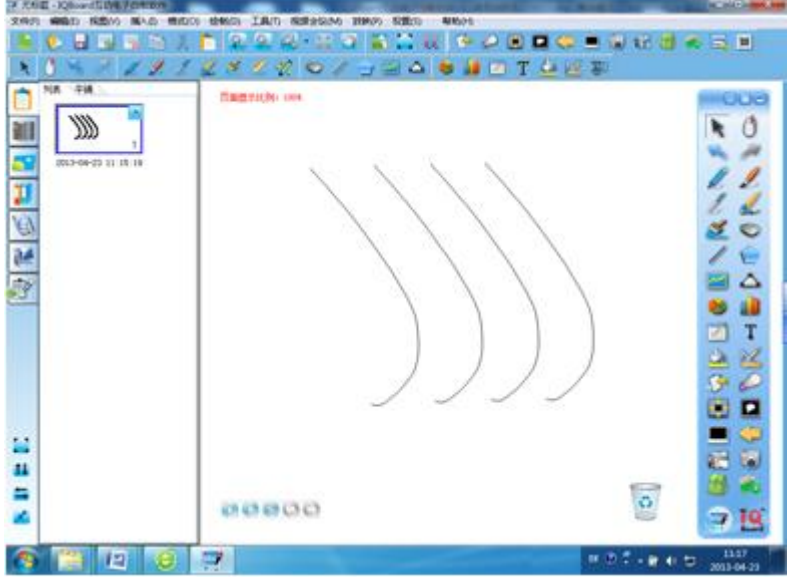
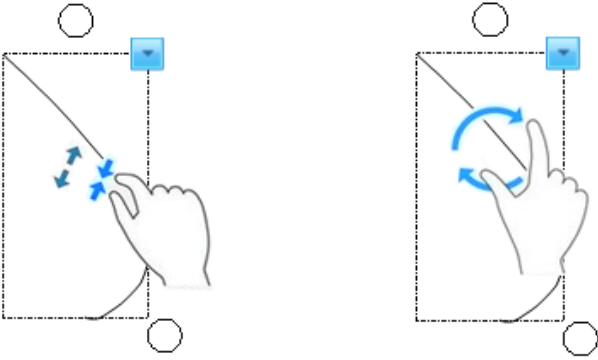
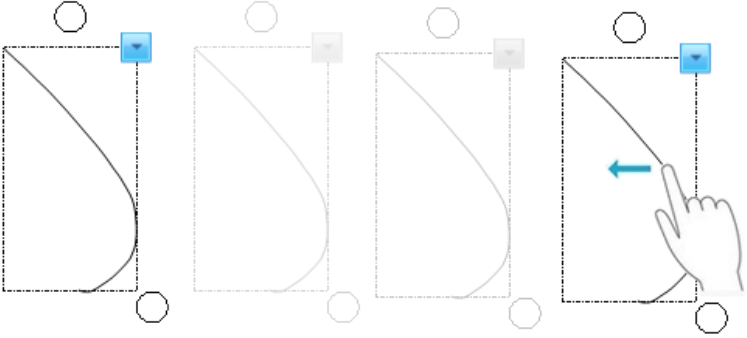
Under the Board Mode, multi-users can write simultaneously, and recognize gestures such as Zoom, Rotate, etc., by input devices supporting Windows multi-touch.

Before use Multi-user Mode, please make sure:

1. Multi-touch is available in the whiteboard or touch screen you are using.
2. The operation system you are using is WIN7 or WIN8.
3. IQClass has been registered by a multi-user SN or USB Key.
4. The Multi-user Mode can be active by connecting computers with IQBoard DVT, IQBoard IRDK/IRQK and IQBoard LT, without SN or USB Key need.

To use Multi-user Mode:

1. Activate Multi-user Mode as means mentioned above, then enters into Board Mode or Full Screen Mode in IQClass.
2. Select a Pen from Drawing Tools toolbar, such as Pencil, Brush Pen, Pen, Board Brush, Washing Brush and Creative Pen, then multi-users can write simultaneously.
3. You can Rotate or Zoom one or several objects selected in the whiteboard page by Gesture Recognition in Windows OS.
4. Tick the *Inertial Movement* under “System Setting > Other Settings”, the object will speed up automatically according to the moving speed when moving the object.

Multi-user Mode	 <p>Tips: Multi-users should use the same pen tool to write in Multi-user Mode.</p>
Gesture Recognition (Zoom and Rotate)	 <p>Zoom                      Rotate</p>
Inertial Movement	 <p>Select and pull the object to move it forward automatically.</p>

## 2.7 ME2 Mode

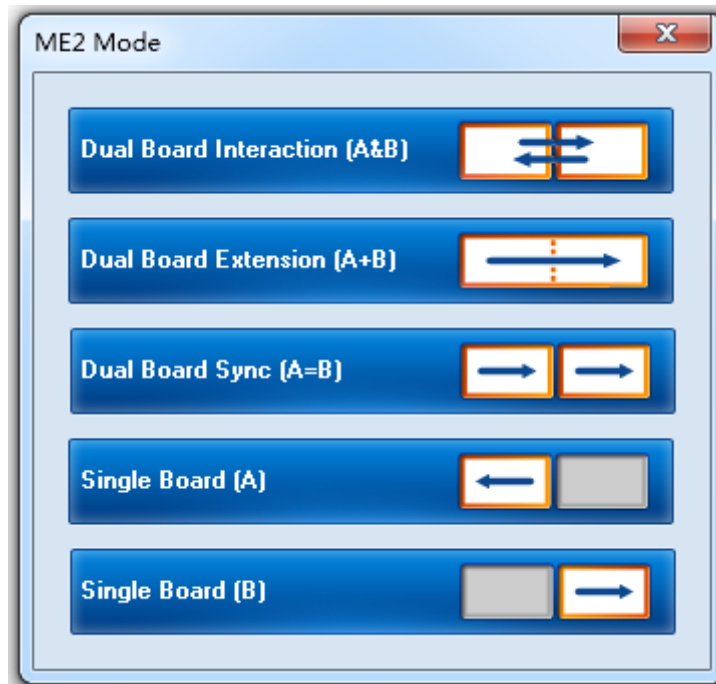
The ME2 Mode can be active by connecting computers with IQBoard ME2 Interactive Education System. Under ME2 Mode, Single Board (A/B), Dual Board Sync (A=B), Dual Board Interaction (A&B) and Dual Board Extension (A+B) are available.

Before use ME2 Mode:

- 1) Connect IQBoard ME2 with computer according to "IQBoard ME2 Interactive Education

*System User Manual*".

- 2) Click ME2 Mode icon on the Common Tools toolbar, then the ME2 Mode window appears as follow:

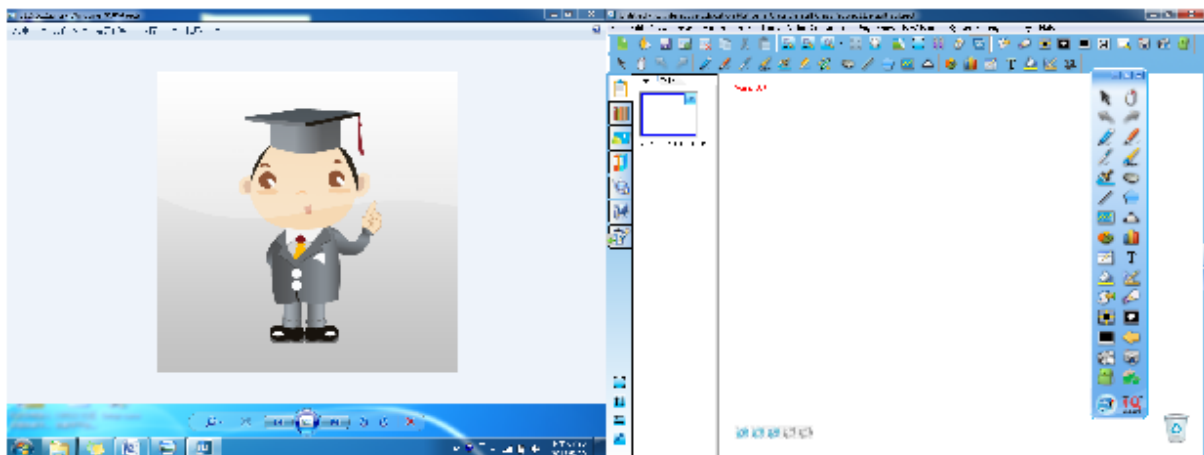


- 3) Click a mode you need to enter. By default, the left board is main-board while the right one is vice-board.

To use ME2 Mode:

### **Dual Board Interaction (A&B)**

- 1) IQClass will be displayed on the vice-board by default. Meantime, you can open any file you need on the main-board without any interference.
- 2) Press and hold the title bar of window by ET Pen to drag it onto any board you like.
- 3) When enter into Dual-user Mode, 1 Teacher Pen and 1 Student Pen can be used simultaneously in IQClass. If 1 Student Pen is writing on IQClass, 1 Teacher Pen can also do operation on the other board at the same time.



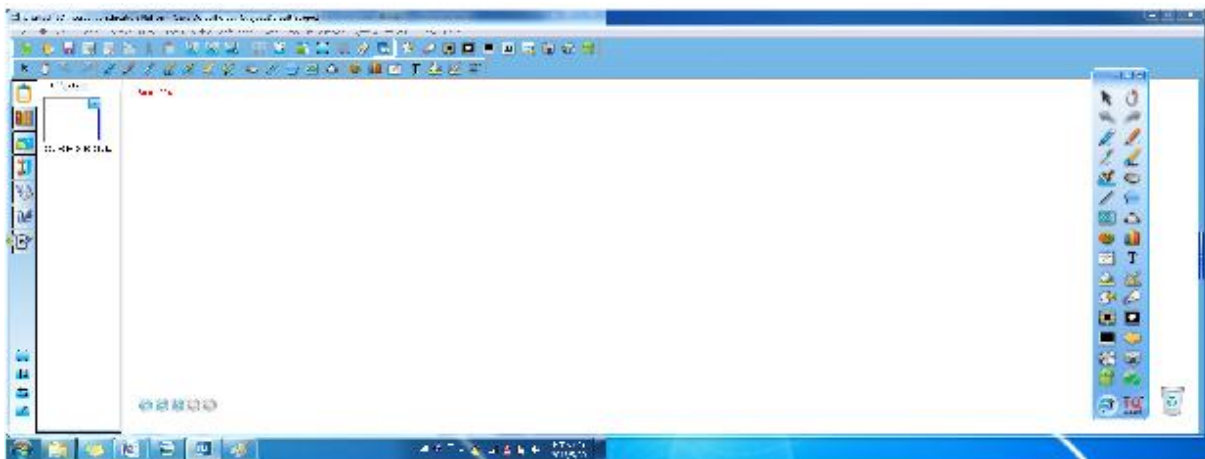
### **Dual Board Extension (A+B)**

Two projecting areas are jointed into a full screen which makes it possible to allow more participants into the interactions. IQ Software will be stretched on the two boards and lots of operation can be done under this mode.

- 1) Single pen writing in any corner of this full screen is available in IQClass.
- 2) You can enter Dual Page Display, and lock one page while only turning the other page to have a comparative teaching.
- 3) An option window will appear to select Two Users or Four Users when you enter the Dual-User Mode.

By Two Users, 1 Teacher Pen and 1 Student Pen can be used in any corner of this full screen in IQClass.

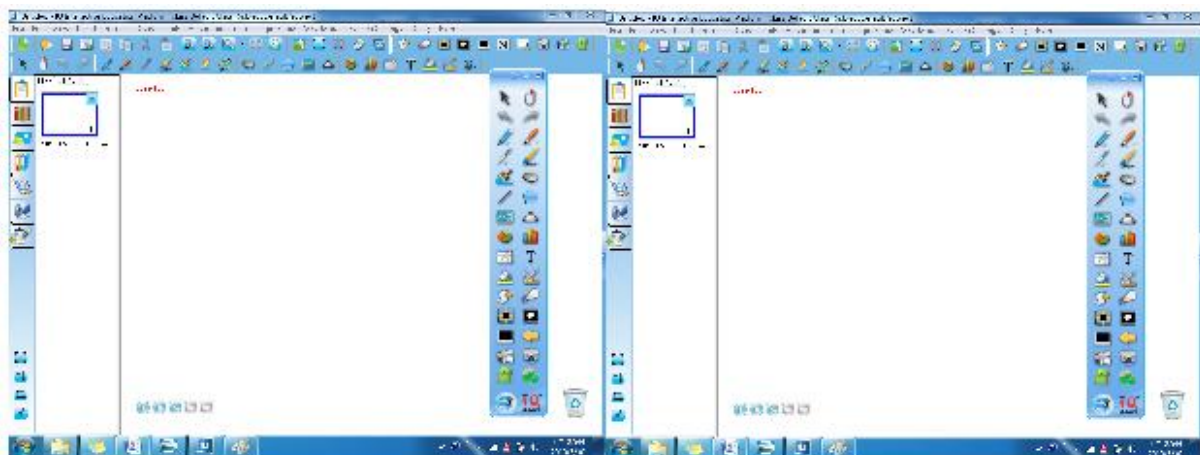
By Four Users, each board can support writing of 1 Teacher Pen and 1 Student Pen, so all together 4 ET Pens can be used on the boards at the same time (only with Pencil, Brush Pen, Pen, Board Brush and Creative Pen).



### Dual Board Sync (A=B)

Operations on one board can be also displayed on the other in real time, so every student can see clearly even when the content on one board is shagged from the teacher or someone else.

When enter into Dual-user Mode, 1 Teacher Pen and 1 Student Pen can be used on the same or two boards simultaneously.




## Single Board (A/B)

Only one projector is needed and you can active either board you like. All the function of traditional IWB can be achieved under this mode.

## Chapter 3 Use IQClass

### 3.1 File Management

**New** : Create a new CDF file.


**Open** : You can open .cdf, .cdp, .pdf, .doc, .ppt, .xls, .docx, .pptx, .xlsx, .iwb and .csv files.

You can also drag the video files and office documents (.doc, .docx, .ppt, .pptx, .xls, .xlsx) directly into the whiteboard page to open.

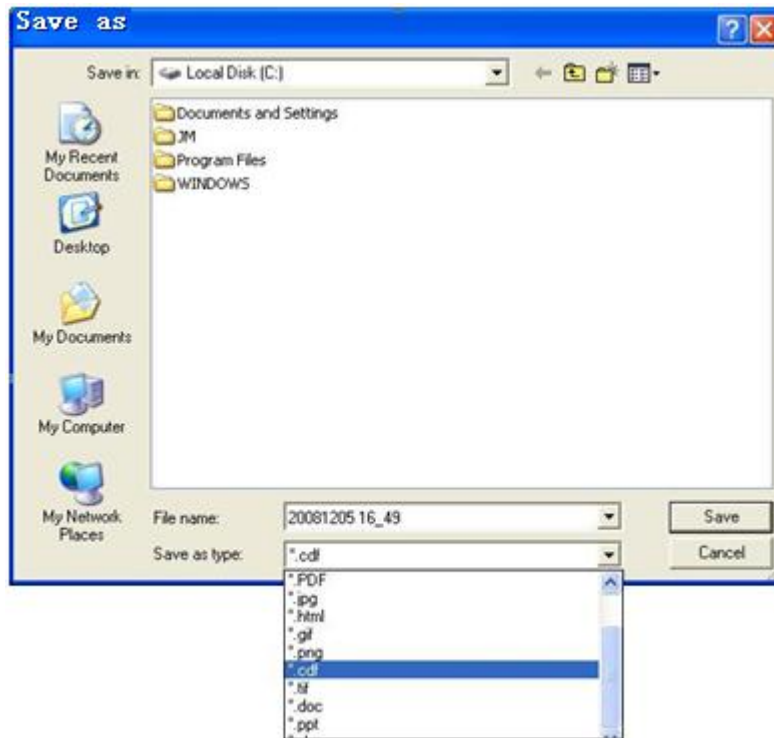


**Note:** You can also drag the video files and office documents (.doc, .docx, .ppt, .pptx, .xls, .xlsx) directly into the whiteboard page to open.

**Close:** Click “File > Close” on Menu Bar” to close current file.

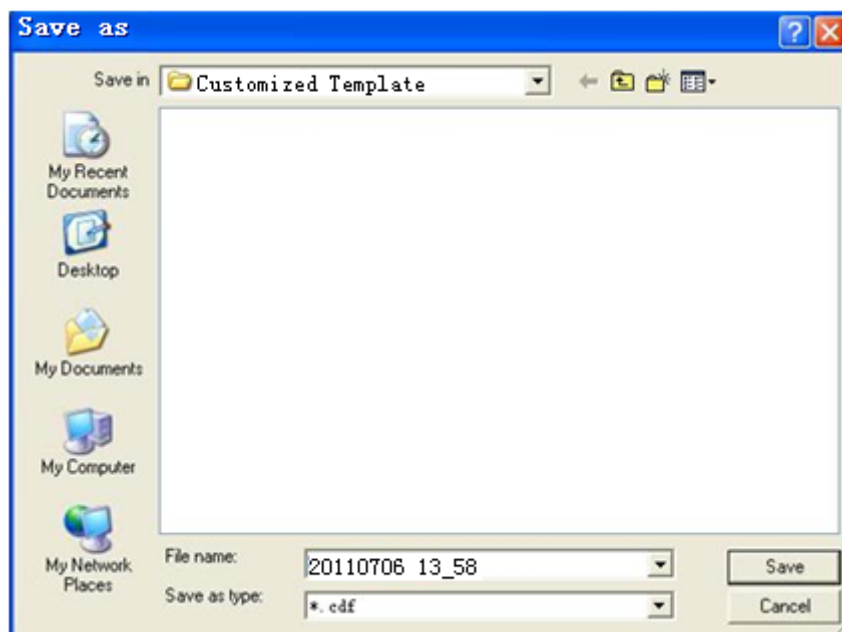
**Save/Save as** : You can save current file in many formats, including .bmp, .emf, .wmf, .pdf, .cdp, .jpg, .html, .gif, .png, .tif, .doc, .ppt, .xls, .docx, .xlsx, .pptx, .cdf and .iwb. File will be named by current time automatically.





**Note:** You can only save an existing file as to .bmp, .emf, .wfm, .jpg, .gif, .png and .tif formats. In Windows System, only under Administrator account can you save .doc, .xls, .ppt, .docx, .xlsx and .pptx files.

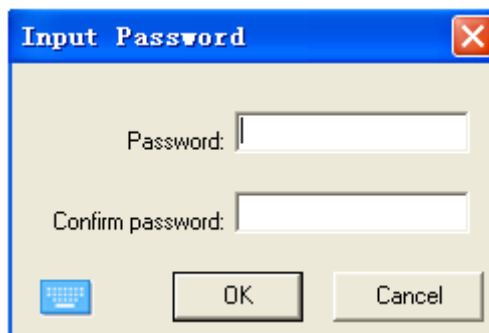
**Save as Template:** If the layout of current file may be frequently used in future, you can also save it as template, which can be retrieved from Template tab. Click “File > Save as Template” on Menu Bar to save current file as template.



**Multiple Tabs:** You can create or open several files at the same time in IQClass, and click tabs to switch among them.

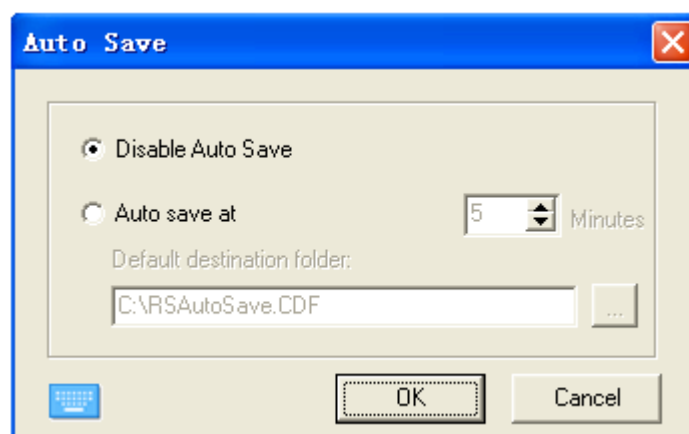


**Encrypt a File:** You can encrypt .cdf file. The encrypted file cannot be opened without correct password. Click “File > Encrypt” on Menu Bar to encrypt current file.




**Note:** Password can be any character (case sensitive), with length up to 8 characters. Please be sure to remember the password after setting. Our company does not provide any service to crack any encrypted file.

**Auto-save:** Auto-save function can minimize your data loss in case of unexpected problems. Click “File > Auto-save” on Menu Bar to set Auto-save function.



**Print:** You can print a file in IQClass. Click “File > Printer Options” to set printer, then click “Print” or “Print Current Page” to print the pages you need.

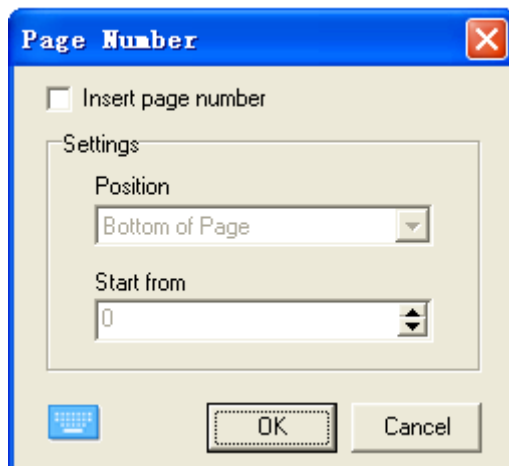
**Send:** Click “File > Send Mail” on Menu Bar or  > Send Mail” on Floating Tools toolbar to send current file as e-mail attachment in .cdf, .pdf, .ppt formats.

## 3.2 Page Management

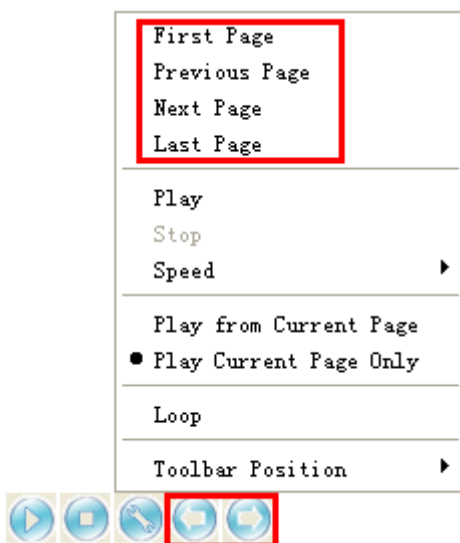
**Insert** : Insert a blank page after the current one.


**Delete** : Delete current page.


**Insert Page Number:** Click “Insert > Page Number” on Menu Bar, then you can set page number position and starting page number in Insert Page Number window appears.





**Display:** Go to previous or next page.




**Move** : A whiteboard page can be infinitely extended. You can move a page to get more space or to display any part of the page on screen.

**Return** : Return a moved page to its original position.

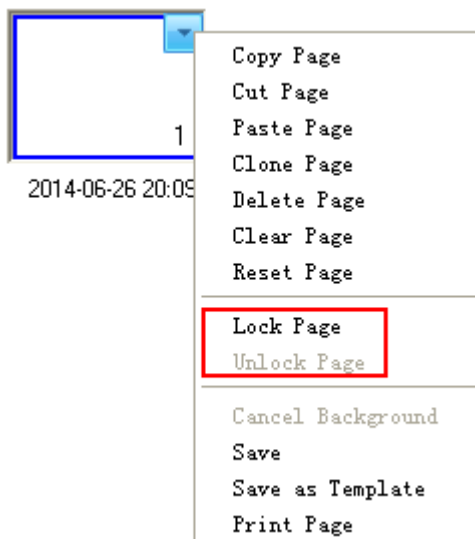
**Zoom:** By default, whiteboard pages are displayed in their actual dimensions. But you can use the zoom tools to enlarge or reduce the size of whiteboard page.

- 1) Zoom in/ Zoom out : After the mouse pointer becomes a magnifier, click the page to enlarge or reduce it. When you click , you can also hold and drag a square to zoom in an area.
- 2) Restore: Restore page to 100%. You can also select from 50% to 200% from drag down menu.
- 3) Fit Page: Make the entire page fit your display.

**Background** : You can specify a single color, gradient, grid pattern, or an image(.jpg, .jpeg, .wmf, .emf, .png, .bmp) as page background.










**Right-click Menu:**




**Lock/Unlock a Page:** During Dual Page Display, you can select a thumbnail of the page you want to lock, and click its menu arrow to select “Lock Page”. When you switch pages, this page is locked, while the other one can be switched in Dual Page Display mode. To unlock a page, please select “Unlock page” in related thumbnail’s menu arrow.

## 3.3 Creating Objects

### 3.3.1 Freehand Drawing Tools

Freehand Drawing Tools are the most frequently used tools, with which you can annotate, write and draw on the interactive screen. Seven Freehand Drawing Tools are provided, including Pencil , Brush Pen , Pen , Washing Pen , Broad Pen , Creative Pen  and Magic Pen . You can adjust each property if necessary.

Objects drawn by Magic Pen  will fade out in 8 seconds. Magic Pen also has tool recognition to open Reveal Screen, Spotlight, Magnifier and even to delete an object by drawing given shapes.

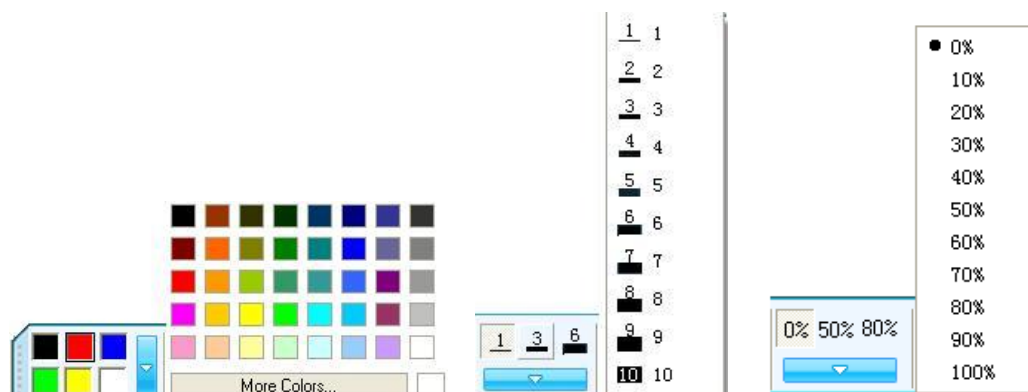



**Note:**

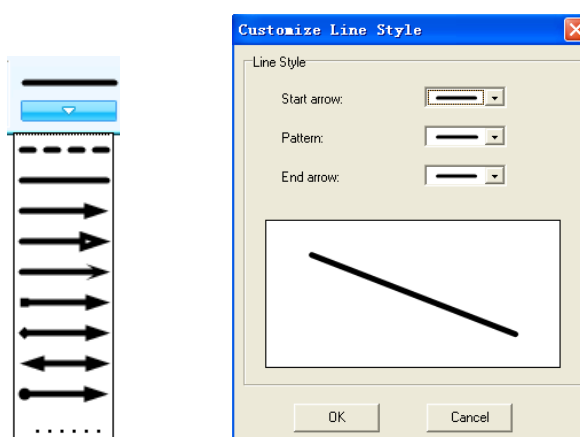
1. *Broad Brush is different from other Freehand Drawing Tools in color settings. There are 6 color buttons in total. By selecting a color for each color button, you will get a combined writing effect of 6 colors.*
2. *If the background color is the same with pen color, software will turn pen to opposite color.*
3. *In Windows Mode, transparency of drawing tools is 0%.*


You can customize the properties of Freehand Drawing Tools as follow.

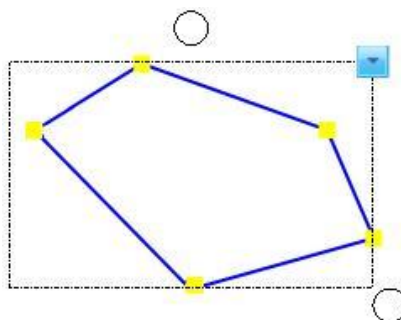
**Color, Thickness, Transparency:** Double-click any color, thickness or transparency button or click the menu arrow of sections to adjust them.









**Arrow Effect:** Several arrow effects are provided for Pencil tool, Creative Pen tool and Magic Pen tool. Click the menu arrow of Arrow section and then select the arrow effect you want from Arrow Effect list. You can also click  to customize your own line styles.



**Shape Recognition:** Pencil tool also has Shape Recognition function. If you enable this function, the stroke drawn by Pencil will be automatically revised to Solid Line, Arc, Circle, Rectangle, Triangle or Polygon, and adjacent Solid Lines will be automatically combined to polygons. To enable this function, click  on Properties toolbar. You can click and drag any corner point to alter the shape.




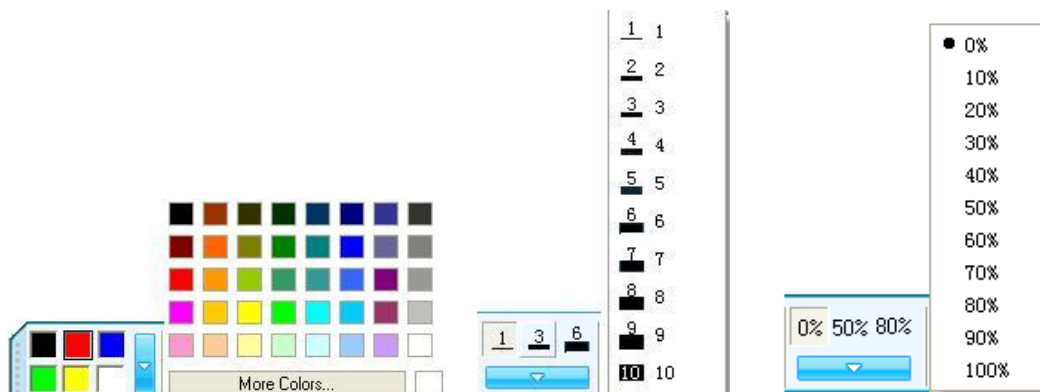
**Tool Recognition:** Magic Pen tool also has Tool Recognition function. If you enable this function, you can open Spotlight, Magnifier, Reveal Screen and Object Eraser with Magic Pen.

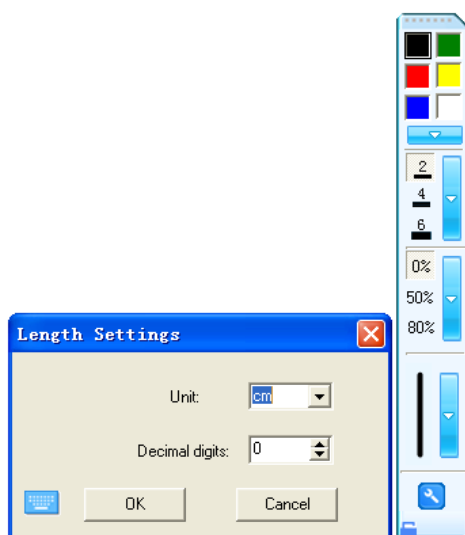
	Drawing a circle to open Spotlight.
	Drawing a square to open Magnifier.
	Drawing a left or right arrow to open Reveal Screen (Left-right).
	Drawing an up or down arrow to open Reveal Screen (Top-bottom).
	Drawing an inclined arrow to open Reveal Screen (All-directions).
	Scribbling on an object to clear it.

### 3.3.2 Lines

Different kinds of straight lines are provided. Properties of lines can also be adjusted.

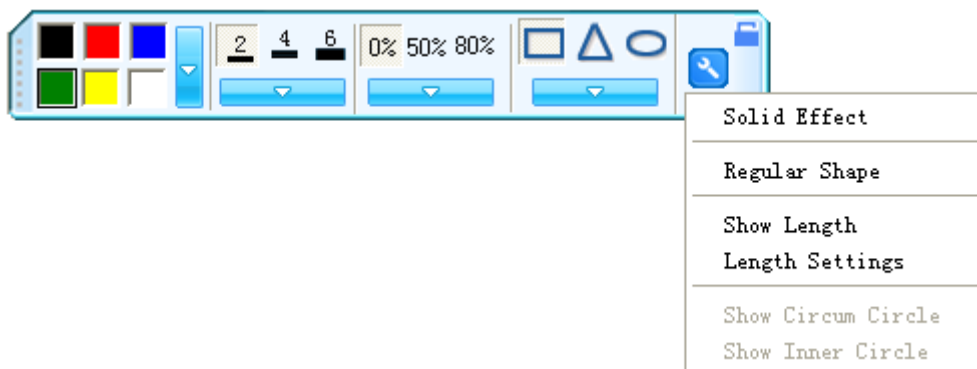
**Color, Thickness, Transparency:** Double-click any color, thickness or transparency button or click the menu arrow  of sections to adjust them.





### 3.3.3 Shapes

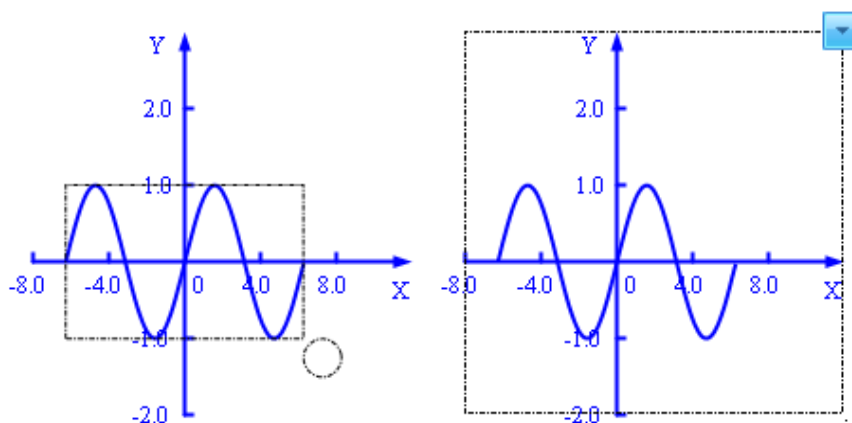
Different kinds of 2D and 3D shapes are provided. You can customize the properties of Shapes tool.



### 3.3.4 Functions

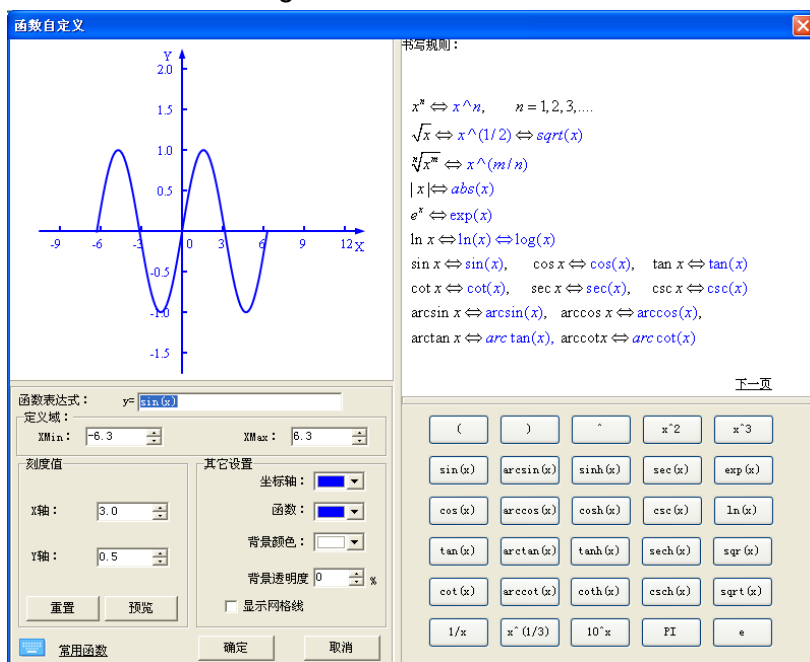
More than 20 kinds of function graphs are provided. Click Function tool to choose one of the available function graphs, then click where you want to place the function graph on screen.

You can click on the area of function curve to select only the function curve; you can also click on the area of coordinate system to select the whole function graph.




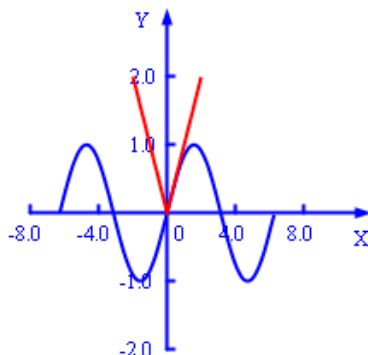
**Function Expression:** Various function expressions are provided in Function section. To

customize your own function expression, please click “Customized” to define the function, domain, scale value and other settings.




**Share Coordinate System:** You can put all functions together on one coordinate system by

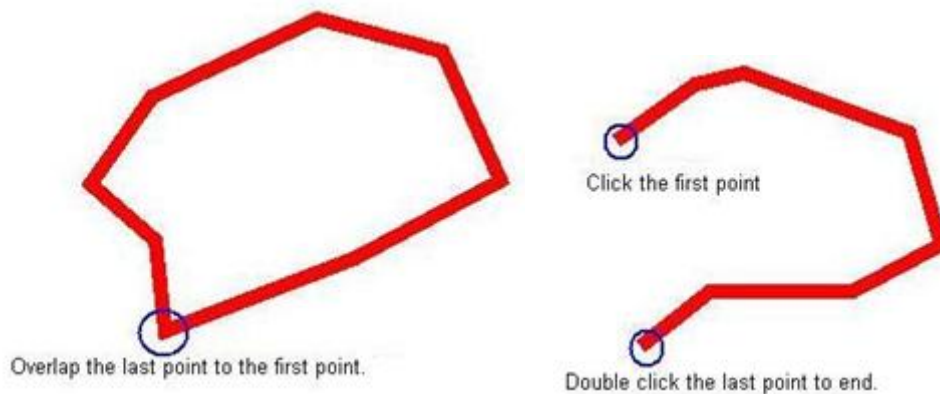
clicking  at the bottom of the Properties toolbar. If Share Coordinate System is selected already, you can click it again to cancel.



### 3.3.5 Point to Point


This tool allows you to create a polygon or a polyline. You can switch between them from  on Properties toolbar. To create a polygon or a polyline, please click Point to Point tool, and click different points to create a polygon or polyline. Double-click the last point to end the polygon or polyline. You can also overlap the last point with the first one to make a shape. All the points can be removed.

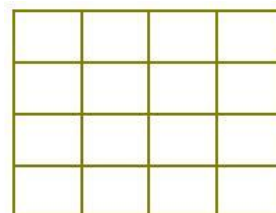
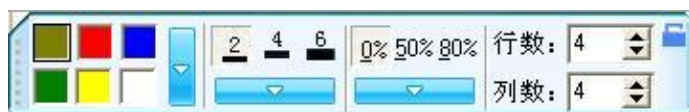




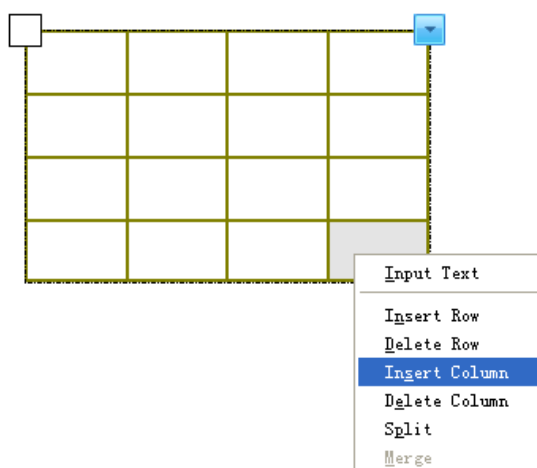
**Note:** Show Length is available for polyline only.

### 3.3.6 Table

To create a table, please click , and set frame color, thickness, transparency, row number and column number in second-level menu. Then create a table by pressing where you want to place the table on screen and dragging until the table is in the size you want.



#### 3.3.6.1 Table Operation



After selecting a cell, the following operations can be available:


**Input Text:** You can also double-click the cell to insert text for it.

**Insert Row/ Insert Column:** A new row or column will appear next to the current one.

**Delete Row/Delete Column:** The selected row or column will be deleted.

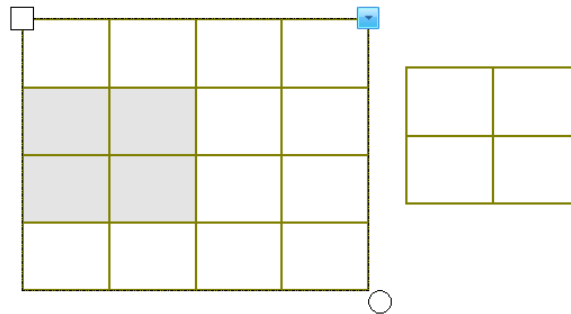
**Split:** Enter row and column numbers you want to split a cell to and split it.

**Merge:** Select several cells to merge them.

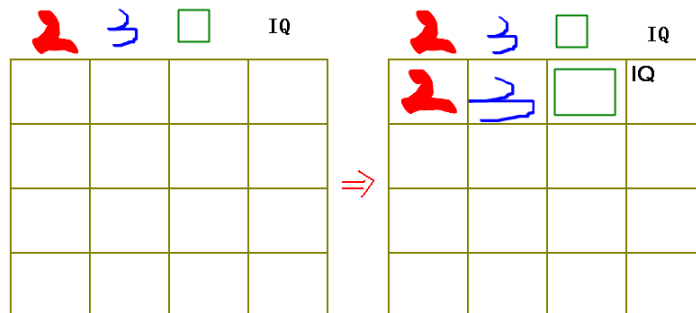
**Move:** Click the square  at the upper left corner of the table, and then drag the table to a

different position on the page.

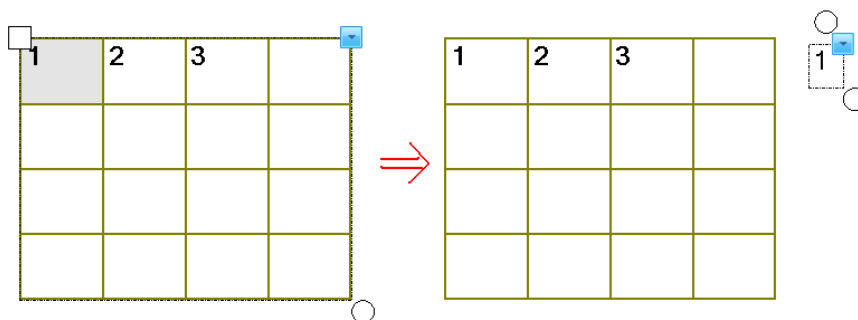
**New Table:** If you select multiple cells and drag them to a different position on the page, you will create a new table consisting of the selected cells and their contents.



**Add Objects to Cell:** Select the target object and drag it to the table cell.

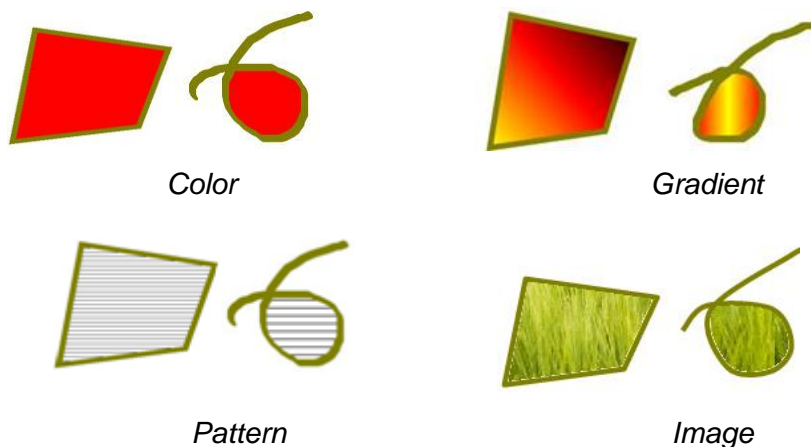


**Move Object from Cell:** Select the target object then drag it from one cell to another, or to the page.

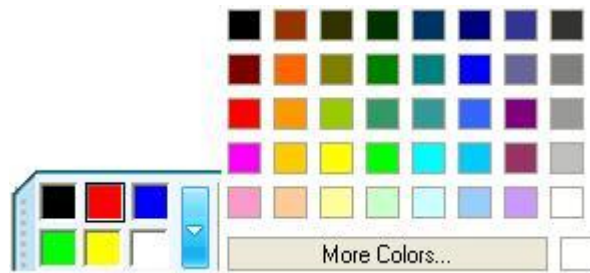


### 3.3.7 Fill

You can fill color, gradient, pattern or image(bmp, jpg, gif, png, emf, wmf, ico) to any closed geometry.

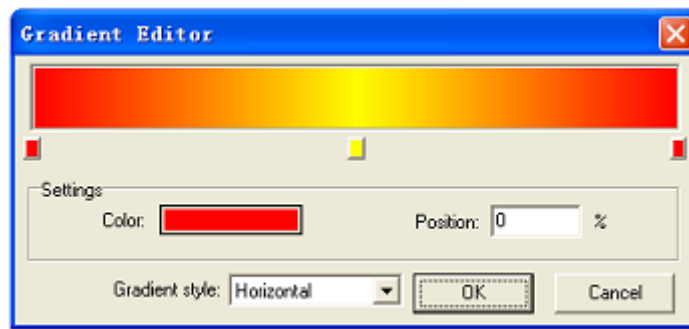


**Fill with Color:** Six colors are provided by default. To apply other color, please double-click any color fill button, or click the setting button beside, then select the color you want from Color list.



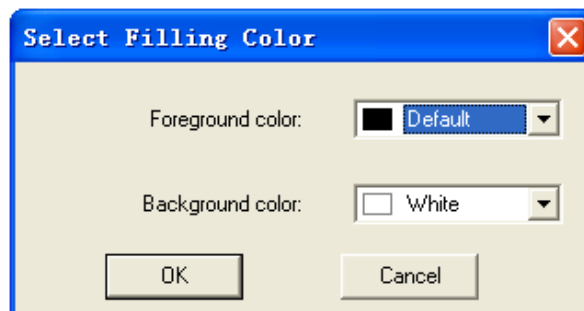
**Fill with Gradient:** Six gradients are provided by default. To apply other gradient, please double-click any gradient fill button, or click the setting button beside, then set the gradient in Gradient Editor.

To add a new gradient, please click below the gradient bar to define color stop(s). You can also select a gradient direction.

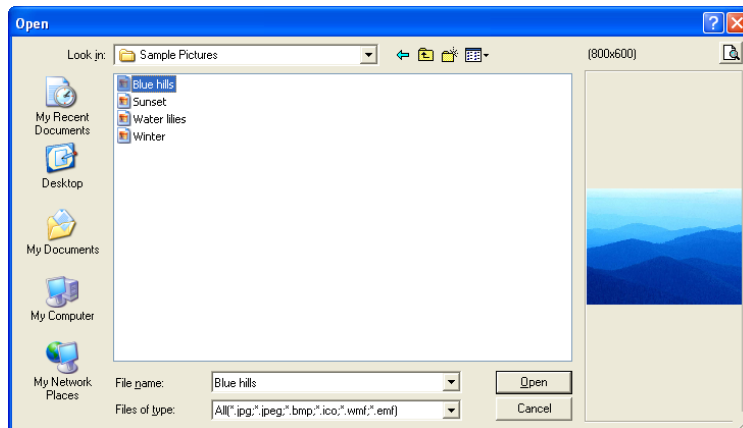



**Note:** To delete an intermediate color stop, simply right-click the stop.

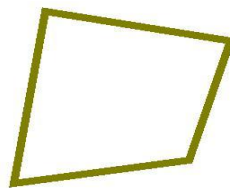
**Fill with Pattern:** Six patterns are provided by default. To apply other pattern, please double-click any pattern fill button, or click the setting button beside, then set the foreground color and background color.



**Fill with Image:** Double-click the image fill button, or click the setting button beside to select an image file to fill.




**Clear the Fill Effect:** Click  button, then click the geometry to clear the fill effect.




### 3.3.8 Eraser


Five erasing methods are provided, including Normal Erasers, Circle Eraser, Area Eraser, Object Eraser and Erase All.




**Normal Erasers**  : Normal Erasers are used for clearing the digital ink created by Freehand Drawing Tools. There are six Normal Erasers in different sizes and shapes.


**Object Eraser**  : Select “*Object Eraser*” and click an object to clear it.

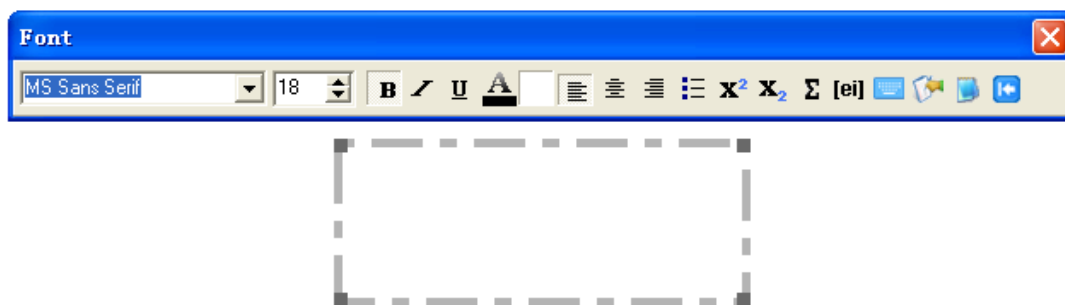
**Circle Eraser**  : Select “*Circle Eraser*” and draw a circle around the object(s) you want to erase.

**Area Eraser**  : Select “*Area Eraser*” and drag a rectangle around the object(s) you want to erase.



**Erase All**  : Select “*Erase All*” and click on a page to remove all objects from the page.

### 3.3.9 Text


Select  and click where you want the text to start on the page. Text Box and Font toolbar will appear.

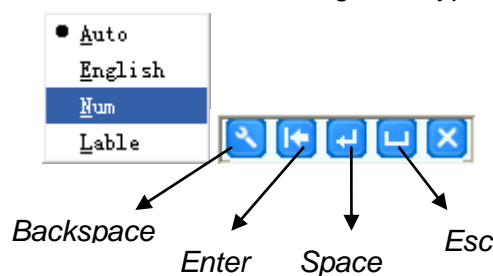


### 3.3.9.1 Input Text

You can input text through On-screen Keyboard  or Handwriting Recognition . You can also import text from .txt file to Text Box




IQClass can recognize your handwriting as Letter, Number or Symbol. You can click  on Handwriting Recognition toolbar, and select the recognition type.



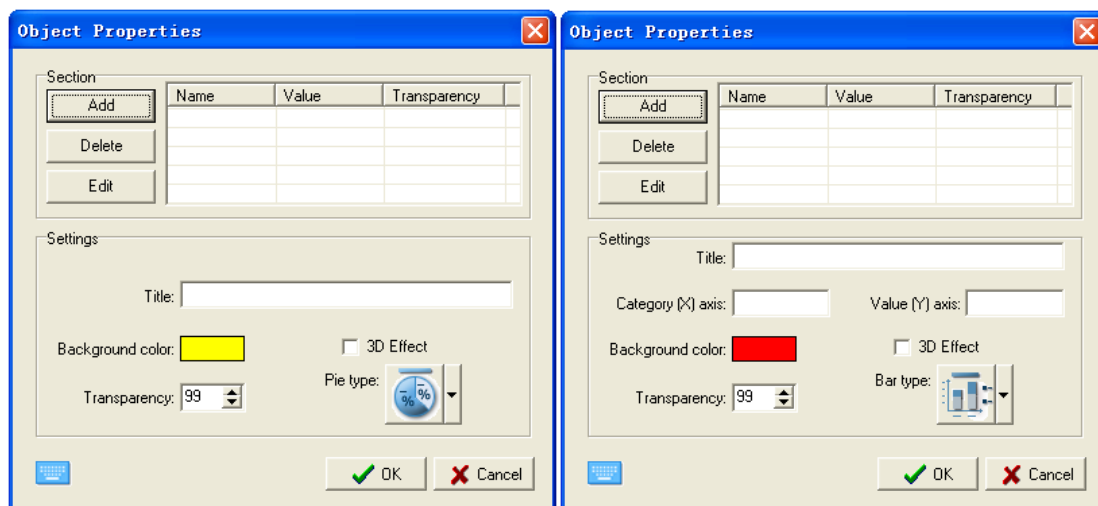
After input the text, you can click outside the text box, and the text will appear on the page.



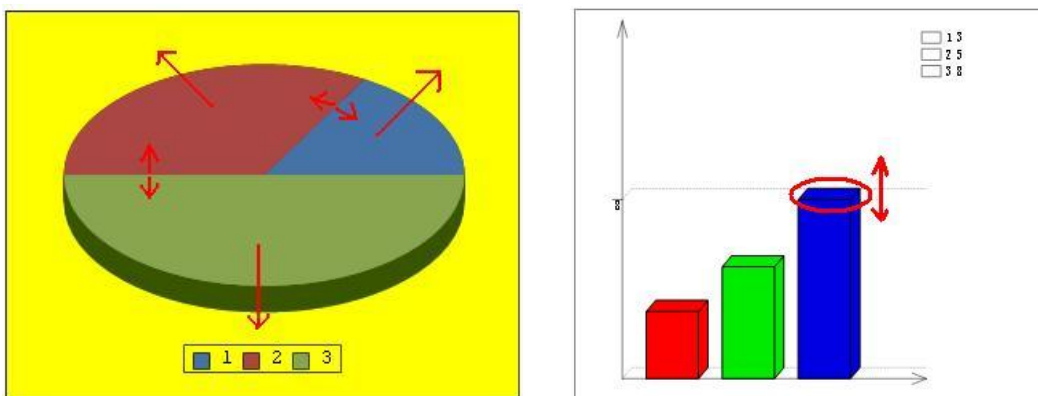
**Note:** If you are teaching Chinese in your class, you need change the interface language to Chinese first. Get Text tool the same way and then you can click  to annotate phonetic symbols (Pinyin) for text in Chinese. However, you need to install Microsoft Pinyin IME 2003 to enable this function.

### 3.3.10 Pie Chart and Bar Chart

Select  or , then click where you want to put Pie Chart or Bar Chart on screen.



In above setting windows, you can set Name, Value and Transparency for the charts. You can also set Title, 3D Effect, Background Color, and Style for Pie Chart, and Title, Category (X) Axis, Value (Y) Axis, Background Color, 3D Effect, and Style for Bar Chart.

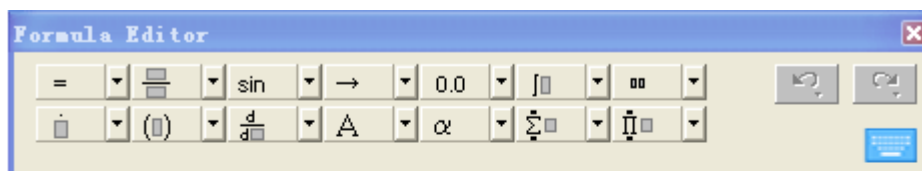


For Bar Chart, you can modify the magnitude of each bar directly; for Pie Chart, you can modify the magnitude of each sector and separate one or more sectors from Pie Chart. You can also use Fill tool to change the color of each bar or sector.

### 3.3.11 Formula Editor

Formula Editor allows you to add complicated math formula or chemistry equation on the whiteboard page.

Select  and click on the page, then Formula Editor window will appear.






Enter formula in Formula Edit Box.

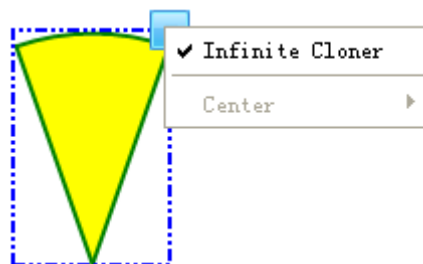


### 3.4.2 Right-Click Menu



**Copy** , **Cut** , **Paste** , **Clone**: You can copy, cut, or clone any object on a page, and paste it on the same or different pages.

**Infinite Cloner**: You can clone one or more objects as many times as you want.

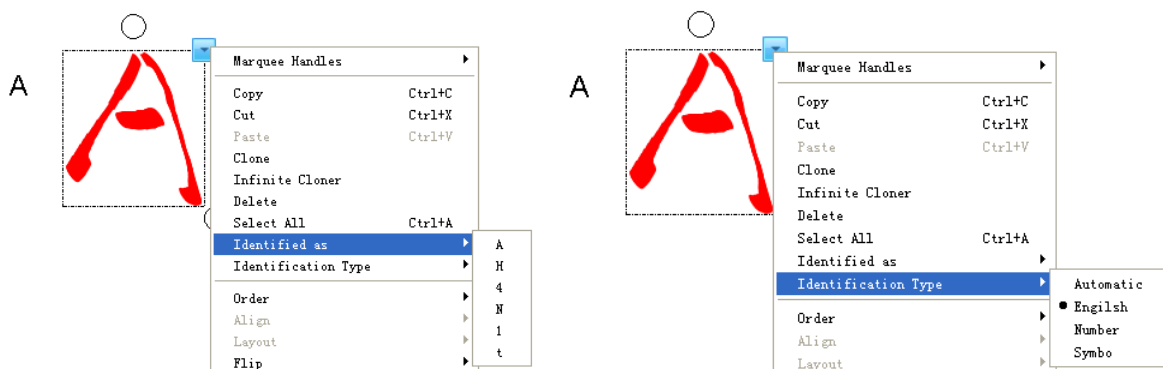


**Delete**: Delete one or more selected objects.

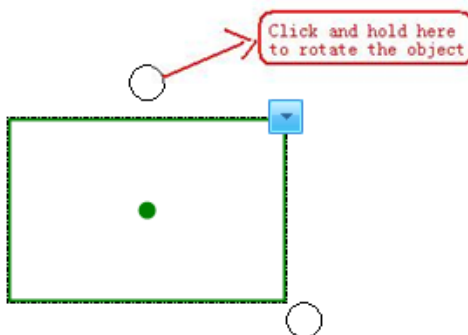
**Select All**: Select all the objects on the page.

**Identify Objects**: You can identify an object by drawing tools as a text displayed into the page by selecting "identified as", and you also can select "identification type" as you want.



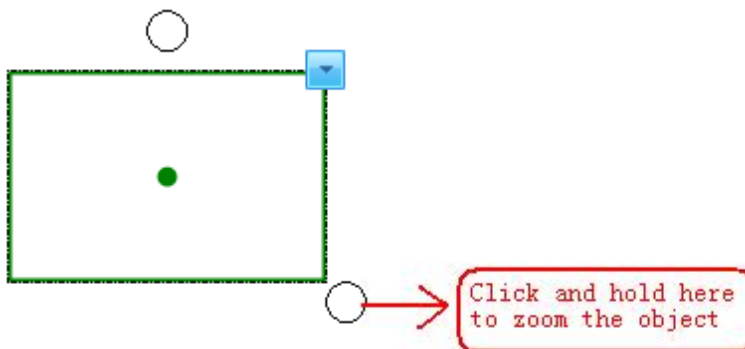


**Rotate Object:** When an object is selected, a selection rectangle appears around the object. You can find a Rotation Handle above the rectangle. By default, the object rotates around its central point. You can define another base point by dragging the central point.



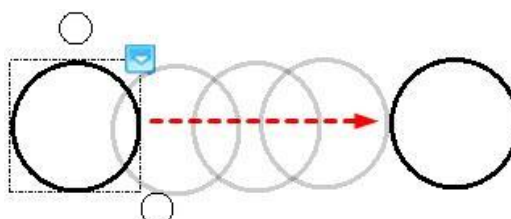
**Center:** You can show or hide center point of object.

**Resize Object:** You can select one or several objects, and drag the Resize Handle to increase or reduce the size(s).



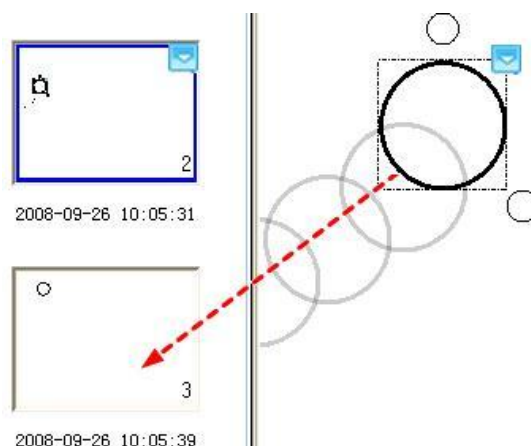
**Move Object:** You can move objects to another position on the same page. You can also move objects to another page.

To move the object to another position on the same page, please select one or more objects, and drag the object(s) to a new position on the page.



To move objects to another page, please select one or more objects, then drag the object(s)

onto the thumbnail of another page on the Page tab.



**Group Objects:** You can group several objects together, and manipulate or edit them as though they were a single object.



**Note:** You cannot group Label Tools, Function Tools, Math Tools, Pie Chart and Bar Chart.

**Arrange Objects:** If objects overlap on a page, you can change the stacking order, including “Bring to Front”, “Send to Back”, “Bring Forward”, or “Send Backward”.

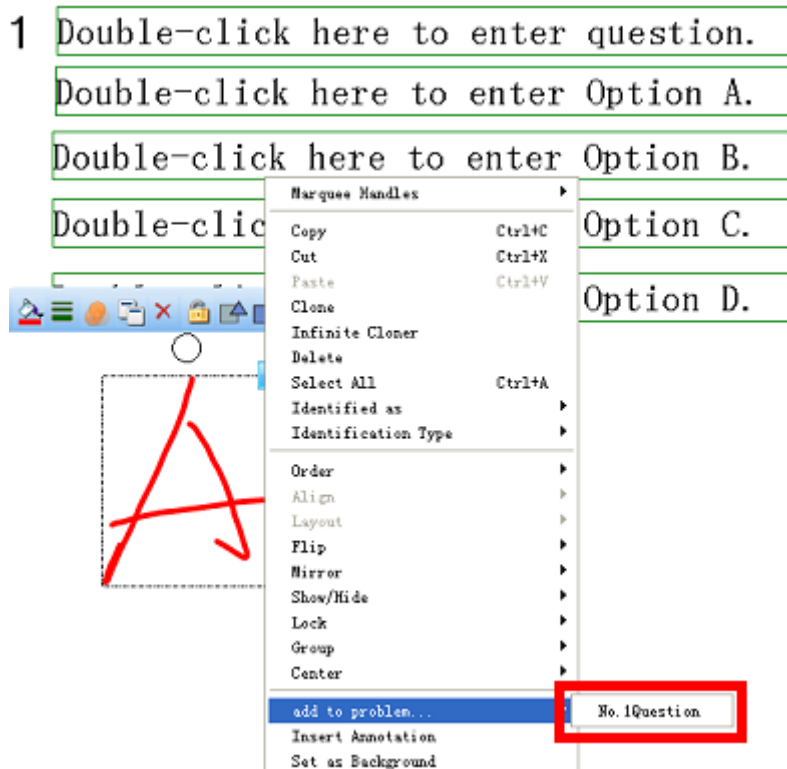
**Align Objects:** You can align selected objects to bottom, top, left, right or center. Layout.

**Layout Objects:** Auto Layout and Customized Layout are available.

**Mirror Object:** You can get a mirror object quickly by selecting “Mirror Left”, “Mirror Right”, “Mirror Up” or “Mirror Down”.

**Show/Hide Object:** You can choose to show or hide object(s).

**Insert Object to Question:** You can insert an object in page to existing question as a illustration to the question. In this way, the object inserted will be displayed with question at the same time in IQPad Student under the Interactive Response Mode.



- 1) Insert a question in Resource Panel;
- 2) Insert the picture or object related to this question, and then select this object and right-click or click the icon on the upper right corner of the object;
- 3) Select *Add to Question*-> *First Question*; and there will be a *Red 1* showed in upper left corner of the object as shown in figure below:



**Insert Annotation:** IQClass allows you to add your own notes and annotations to an object. Inserted annotations can be re-edited or removed.

**Flip Object:** You can flip object horizontally or vertically.

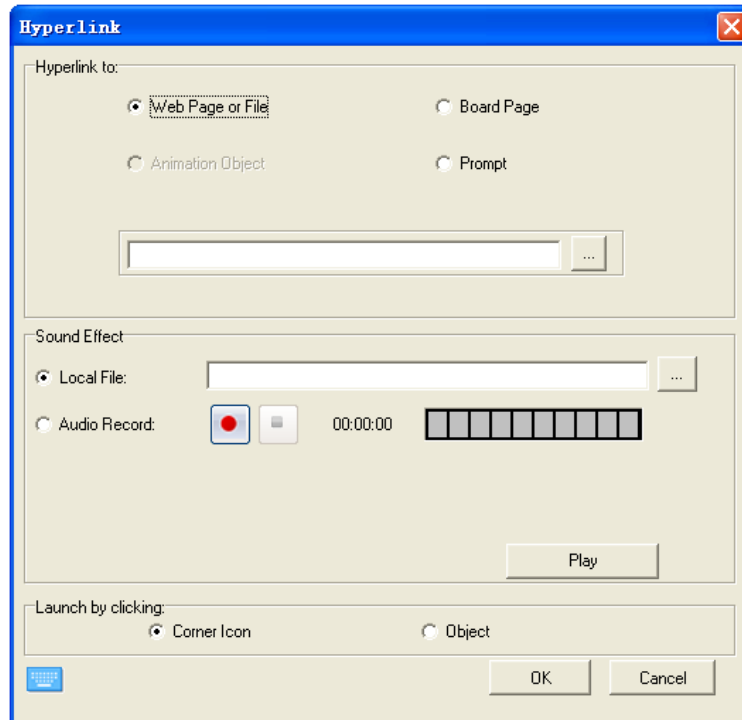
**Insert Object to Background:** You can insert one or more selected objects to background. The object(s) inserted to background cannot be manipulated and edited.

**Save Object:** You can save one or more objects as image files in .bmp, .png, .gif, .jpg, .emf, .wmf, or .tif format.

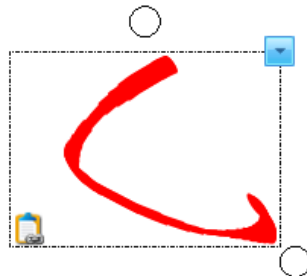
**Lock Object:** You can lock an object to prevent its modification, movement or rotation. You may also unlock it at any time.

**Add Hyperlink to Object:** You can hyperlink any object on the whiteboard page to a web page, or a file on your computer.

Right-click the selected object, then select “*Hyperlink*”, Hyperlink window appears as follow:

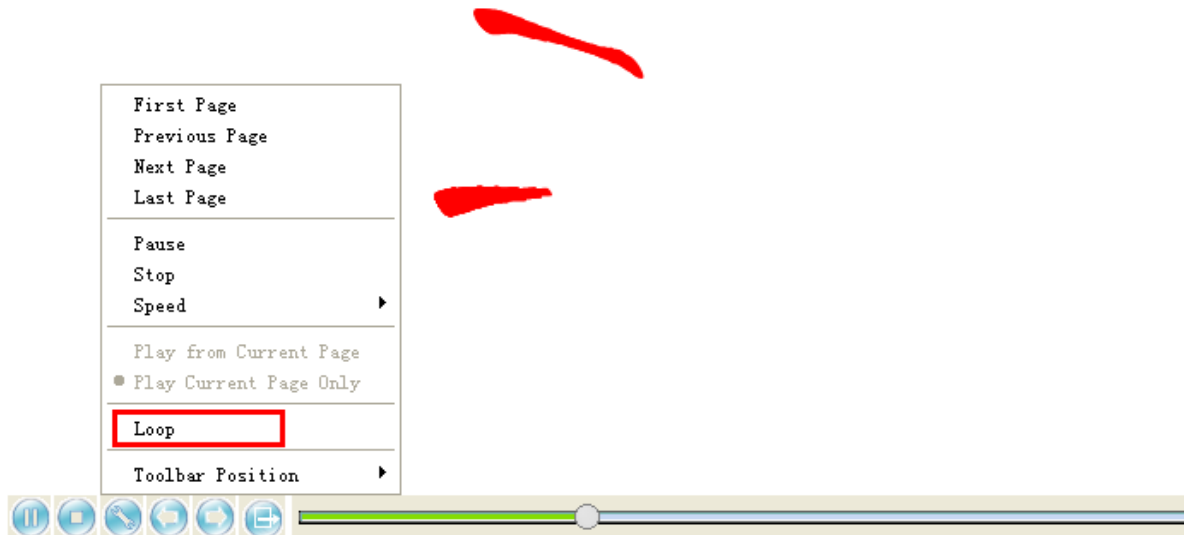


Then you can hyperlink the object to a file, a web page, a FTP, or a website (for e.g. [www.iqboard.net](http://www.iqboard.net)). If you want to add sound effect when launching hyperlink, please browse and select an audio file for Sound Effect section. You can choose to open the link by clicking the corner icon or the object itself.



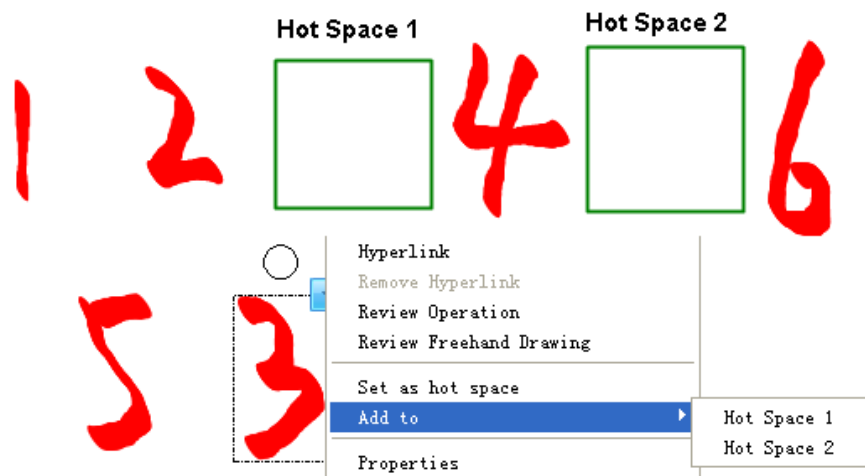
**Review Operation:** When you are creating and manipulating objects, IQClass automatically records your operation, and allows you to review them anytime.

**Review Freehand Drawing:** You can review the stroke order for objects created by Freehand Drawing Tools. You can choose “*Loop*” from settings icon to review the freehand drawing repeatedly.

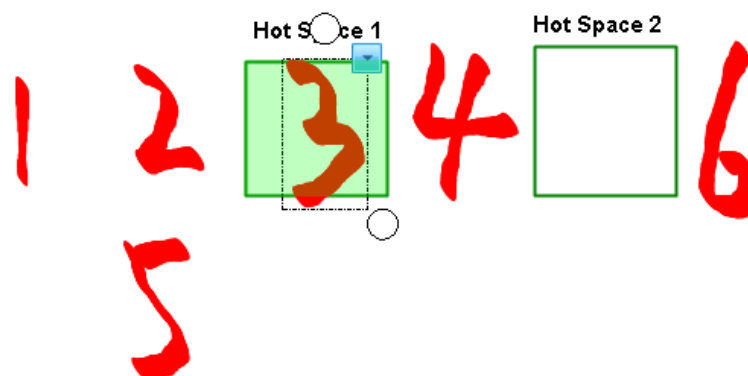


**Hot space:** you can set objects on the page as a hot space, classifying and matching this object to others.

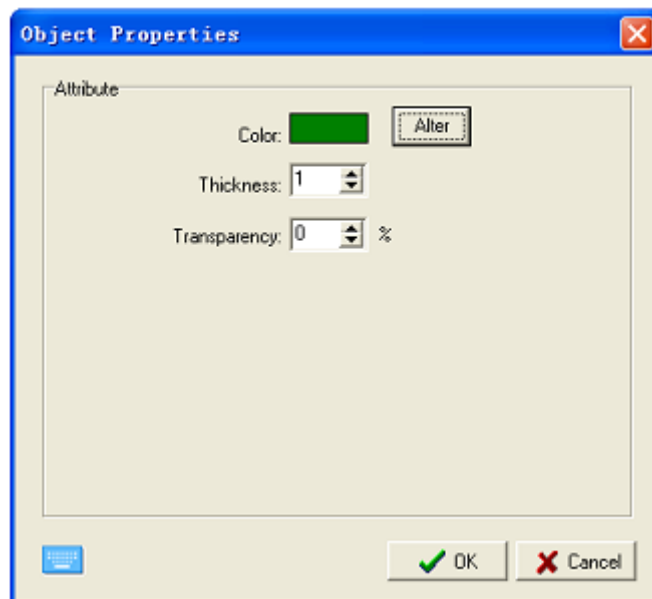
- 1) Hot space: choose one object or more to set hot space by selecting “set as hot space” in right-click menu.
- 2) Match: choose one object or more to add into corresponding hot space by selecting “add to” in right-click menu.



- 3) When you add the object to the hot space, if it matches successfully, it will flash in green, if not, it will flash in red and turn back.



**Change Object Properties:** You can select an object on the page and change its properties.



### 3.5 Operation Review

When you are creating and manipulating objects, IQClass automatically records your operation, and allows you to review them anytime.



**Play/Pause:** Play or pause your operation record on the whiteboard page. When you pause operation record, you can make annotations on the page.

**Stop:** Stop playing your operation record.

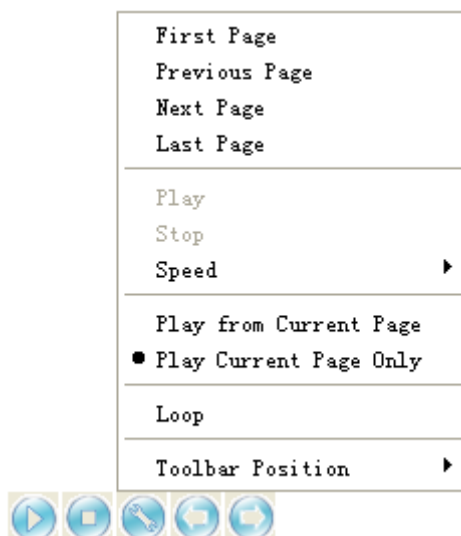
**Speed:** Set the playing speed. Larger the multiplication is, higher the speed will be.

**Play Current Page Only:** Play your operation record on current page only.

**Play from Current Page:** Play your operation record from current page to the last page.

**Loop:** Repeat playing when selected.

**Toolbar Position:** Adjust the position of Operation Review toolbar.

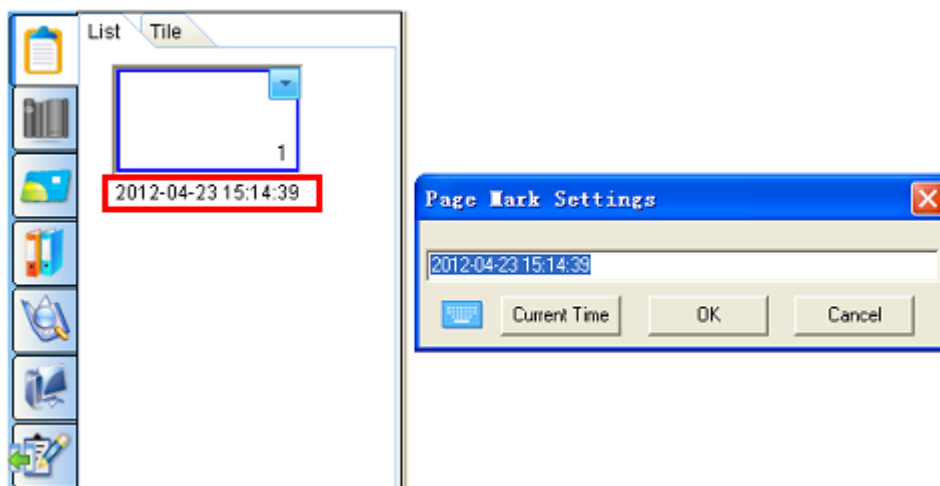


## 3.6 Resource Panel

Resource Panel consists of 7 tabs, including Page, Subject Tools, Template, Resource Library, Search Tool, Local and Courseware Making Panel.

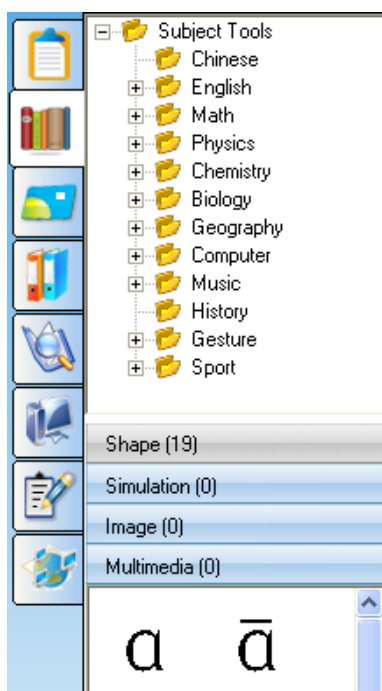
### 3.6.1 Page

Page tab provides 2 preview modes: List Mode and Tile Mode. To rename the page, double-click the title under the page thumbnail, and then enter a new name.



### 3.6.2 Subject Tools

In Subject Tools tab, you can find numerous useful interactive tools categorized by subject. From right-click menu, you can delete, rename, import file or folder, and add a new folder. You can also drag the object directly into a folder to save it.



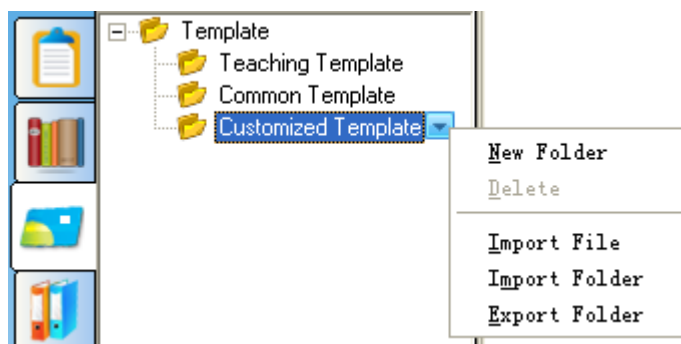
To add a subject tool to the page, you can select a subject tool thumbnail and click on the page, then the subject tool will appear on the page; you can also select a subject tool thumbnail and drag a rectangle on the whiteboard page, then the subject tool will appear on the page.

**Note:**

1. *Subject Tools tab is available only after IQBoard or a USB Key is connected to your computer.*
2. *You can only delete and rename the self-added subject tools or folders.*

### 3.6.3 Template

Template tab offers various templates in cdf format. From right-click menu, you can also delete, make a new folder, import file or folder, export folder for the template.



To open a template, please select the template thumbnail you want to insert to the whiteboard in the preview area, and click on the page (you can also drag the template onto the page), then the relevant template will be inserted into next page.



**Note:** *Template has user management function. Besides the default templates, each user can only see the templates saved under his or her account.*

### 3.6.4 Resource Library

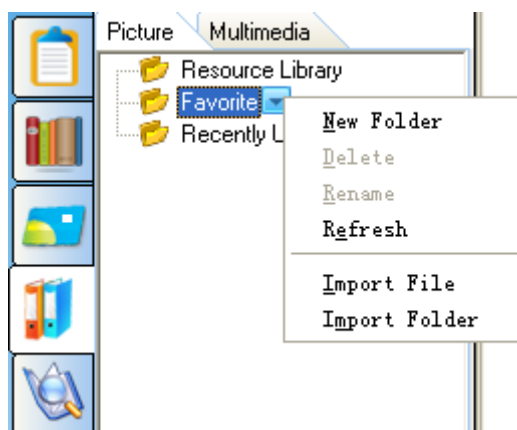
Resource tab provides huge amount of pictures and multimedia resources for you to use in the presentation. You can also save a created object into Resource Library.

Three ways to add a picture or multimedia resource to whiteboard page:

1. Select a resource thumbnail and click on the page, then the resource will be inserted into the page;
2. Select a resource thumbnail and drag a rectangle on the whiteboard page, then the resource will be displayed according to the size of the rectangle. When dragging the object, you can press “Shift” key to keep its aspect ratio;
3. Select a resource thumbnail and drag it onto the page, then the resource will be inserted into the page.

You can take annotations on the flash or video inserted into the page. When you do the annotation, the flash or video will pause to play; the annotation will be moved to next layer when the flash or video starts.





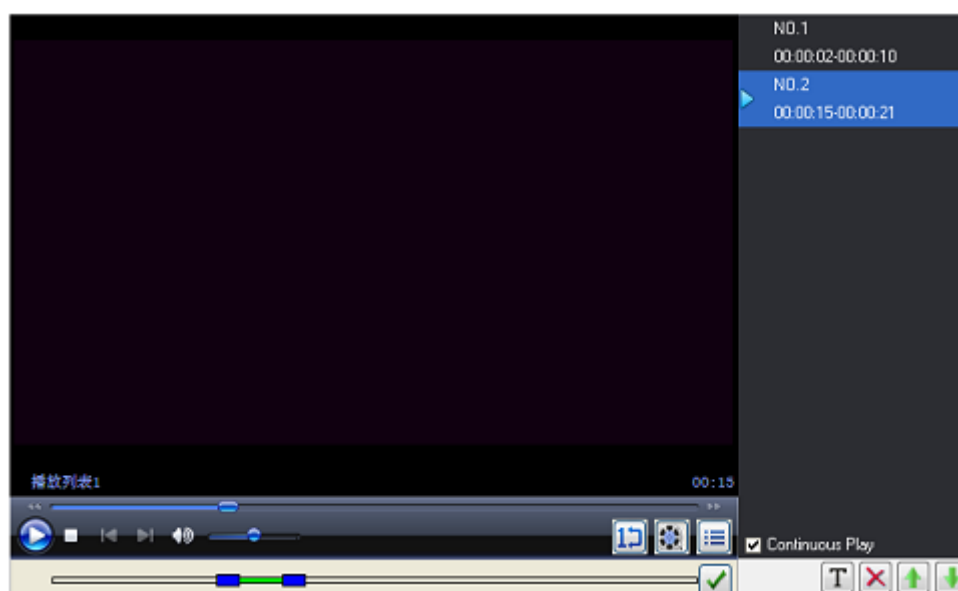
### To play the audio/video resource in the page:

You can set a video clip to play, or capture an image from the video and insert it into page.

To set a video clip, please click “Video Clip” button, then a time bar and a list will show.

Please drag the time bar to set the beginning and ending points, and click “Clip”, then clipped videos will be added into the list. You can rename or delete these clipped videos from the list.

Please select a clipped video and click “Play” to watch it. “Play in Order” is available.

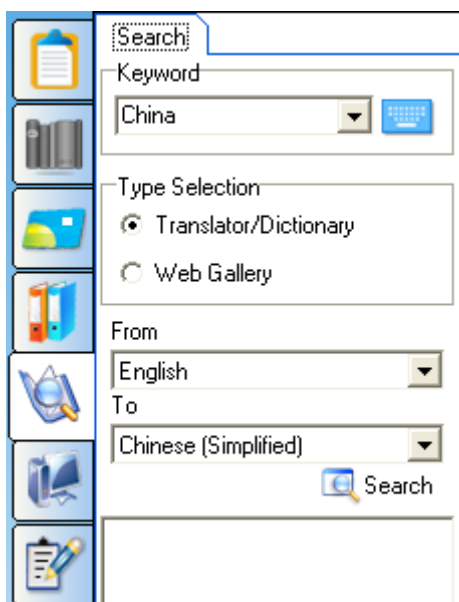


#### Note:

1. You can only delete and rename the self-added folders.
2. Resource Library has user management function. Besides the default resources, each user can only see the resources saved under his or her account.

### 3.6.5 Search Tool

By Search Tool, you can translate a word or sentence into target language, look it up in dictionary, and search images for it. It also allows you to insert search results into the page.



**Translation/Dictionary:** Enter the word or sentence you want to translate or look up in dictionary, and choose the source language and target language, then click “*Search*”. You can insert search results into current page by clicking “*Insert to Current Page*”. The search result inserted into page and be re-edited by double click it.

**Web Gallery:** Enter the word you want to search and click “*Search*”. Then you can search images from Google. You can select “*Open from Webpage*” to show search results in a webpage. If you want to insert an image in search results into page, you can click and drag it to any blank part of the page.

### 3.6.6 Local

Local tab allows you to add EDF, BMP, EMF, WMF, TIF, JPG, GIF, PNG, CDF, SWF, AVI, WMV, ASF, DAT, MPG, MPEG, RM, RMVB, MOV, VOB and FLV files in your computer to the whiteboard page. For a file in other format, you can double-click the thumbnail to open it.

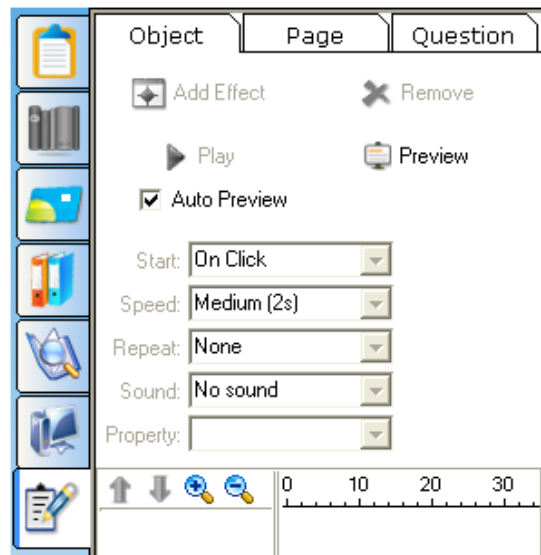
To insert a file into the page as an object, please select relevant file in the preview area, then click on the page or drag the file onto the page.



**Note:** For a picture in BMP, JPG, JPEG or TIF format, you can adjust its transparency by changing its properties.

### 3.6.7 Courseware Making Panel

In Courseware Making Panel, you can add animation effects for objects and pages, and can also insert questions into your courseware.

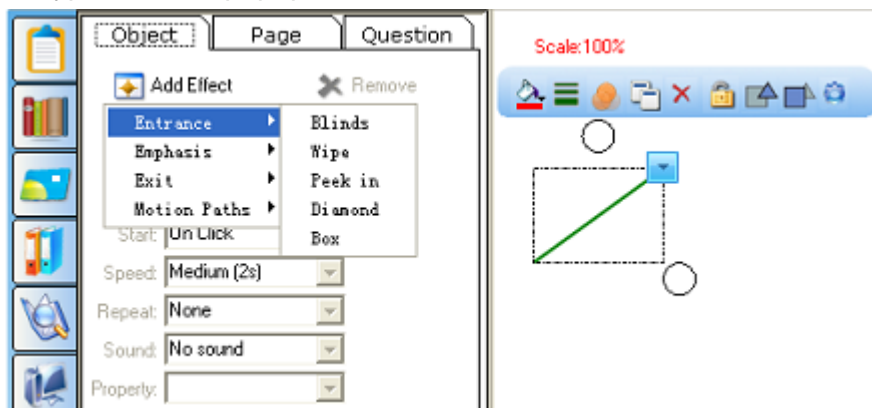


### 3.6.7.1 Object Effect

You can set effects for any object on the page.

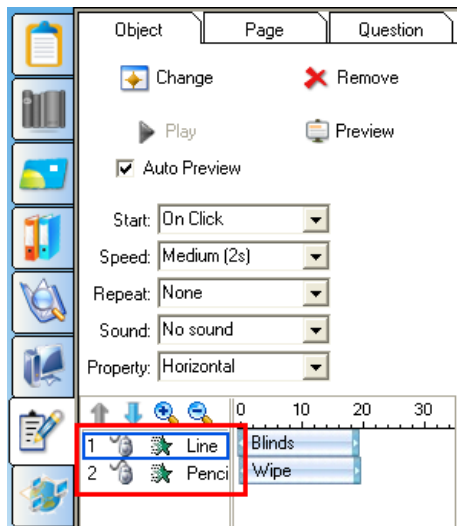
**Add Effect:** You can add four kinds of animation types, “*Entrance*”, “*Emphasis*”, “*Exit*” and “*Motion Paths*”, for the single or several selected objects on the current page.

To add an object effect, please select one or several objects, and click “*Add Effect*”, then select an effect type from the popup menu.

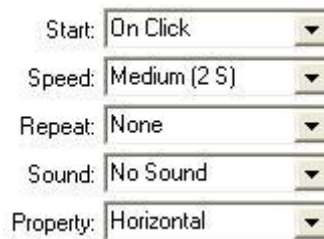


**Note:** When adding effects, you can preview the added effects if you check “*Auto Preview*” beforehand.

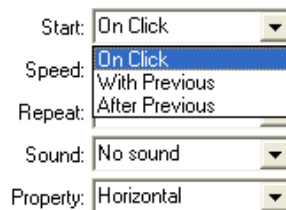
After adding effects, the effects will be displayed in Effects list according to the order.



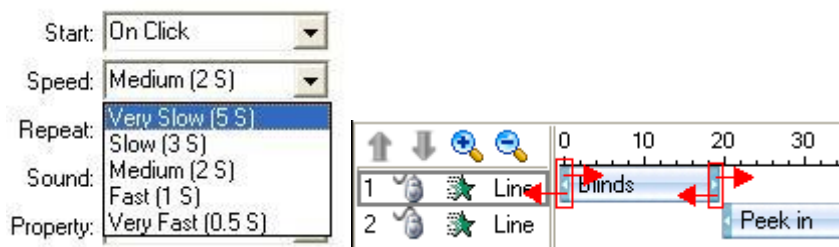
**Set Effect:** You can customize the current selected effects.



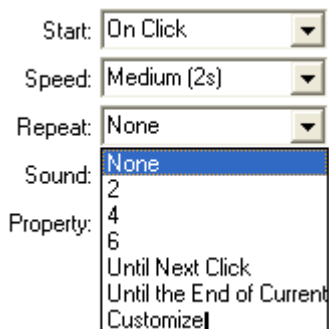
You can customize the way of playing the effects. The system offers you three ways: “*On Click*” (default), “*With Preview*” and “*After Preview*”.



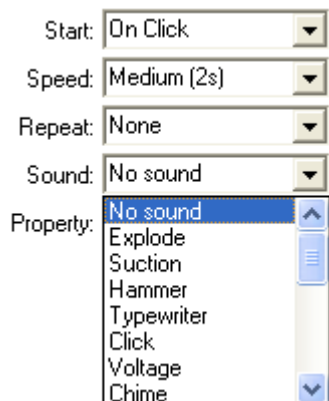
You can customize the playing speed of the effects from the drop-down menu. You can also adjust the playing speed by increasing or decreasing the length of timeline for an effect.



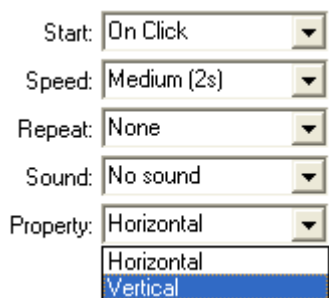
The system offers many different kinds of repeat times



The system offers you more than 20 kinds of sound effects

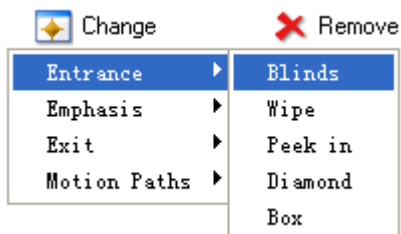




The drop-down menu of property may vary according to different animation effects. You can adjust the property value to change the playing effect.

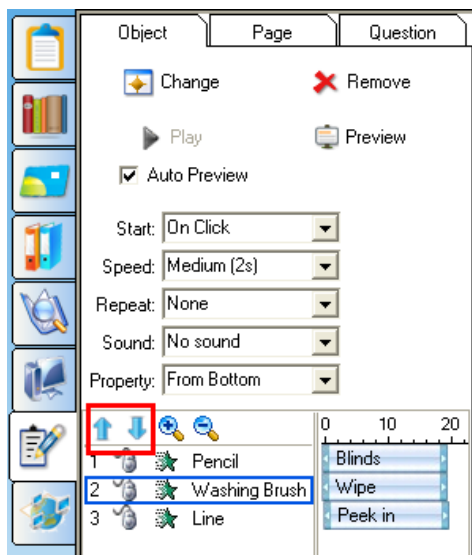


**Edit Effect:** You may change animation effects and adjust their playing order.

To change an effect, please select the object that you want to change, and click “Change”, then select appropriate animation effects from the drop-down menu.



To change the playing order, please select the object from Animation Object list, then click “Move up”  or “Move down” .



**Remove Effect:** You can remove the object effects that you don't need from Animation Object list. Select the animation object that you want to remove, then click “Remove”.



**Note:**

1. When the object is removed, all the effects added on it will be deleted automatically.
2. You can remove several animation objects at the same time by pressing “Shift” key.

**Auto Preview:** You can preview the selected object effects. Select the object that you want to preview, and then click “Current Preview”. After the effect preview is over, the software will stop preview automatically.

**Playing Preview:** This function enables you to preview all of the object effects from the current page.

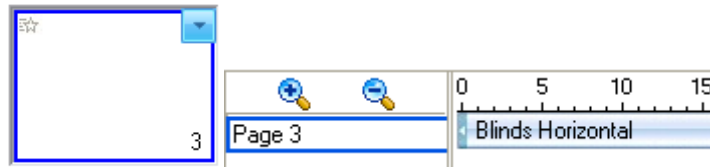
### 3.6.7.2 Page Effect

**Add Page Effect:** To add effects to a page, please click “Page”, and select relevant effect from the drop-down menu.

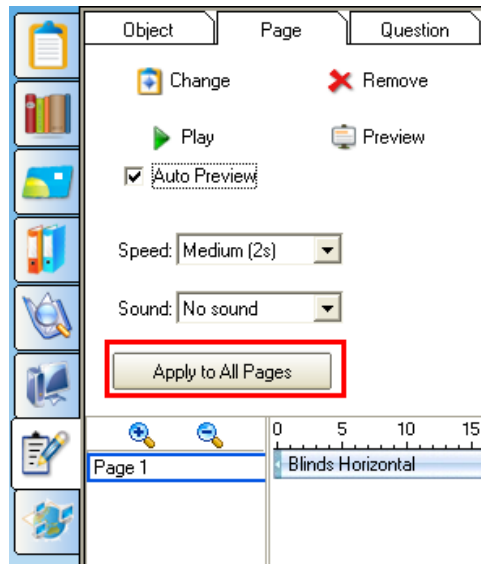
 Add

- Blinds Horizontal
- Blinds Vertical
- Comb Horizontal
- Comb Vertical
- Cover down
- Cover Left
- Cover Right
- Cover up
- Split Horizontal in
- Split Horizontal out
- Split Vertical in
- Split Vertical out

After adding effects, the effects will be displayed in Effects list according to the order, and a small icon will appear in the top left corner of page thumbnail.

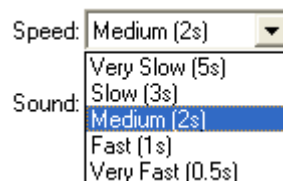


Click “Apply to All Pages”, then all other pages will share the same effects with the current one.

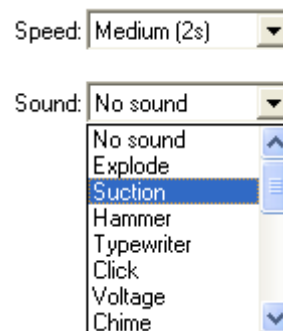


**Customize Page Effect:** You can customize the page effects, including playing speed and sound.

Please select the page effect you want to customize, then select the desired speed from Speed list. You can also adjust the playing speed by increasing or decreasing the length of timeline for an effect.



You can select the desired sound effect from Sound list.



**Change Page Effect:** You can change page effects upon actual needs. Please click “Change”, and select the page effect you want to change, then choose a desired page effect.

**Delete Page Effect:** You can delete any page effect as you want. Please select the page effect you want to delete, then click “Remove”.



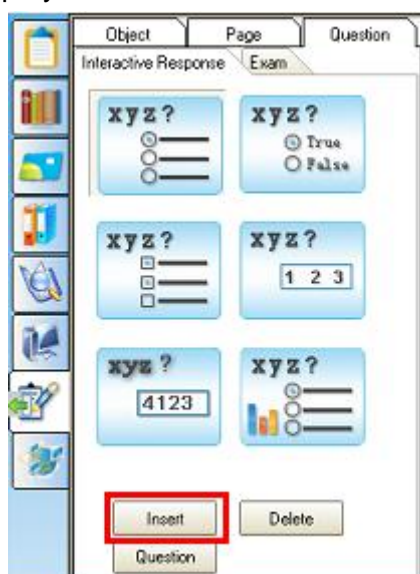
**Note:** You can also remove page effects by deleting the page. To delete several animation effects at the same time, press “Shift” key and select them one after another.

### 3.6.7.3 Add Interactive Quiz

IQClass provides you with common question types, including Monomial Choice, Multiple Choice, True or False, Gap Filling, Sorting and Voting, which can help to engage your students to greater extent. All the questions can be answered manually under Show Mode. IQClass can also interact with IQClick and IQPad to carry on the interactive response and exam.

**Insert Question:** You can insert 5 questions at most in one page.


① Click the icon of question type you want to insert on Question Setting Panel ;

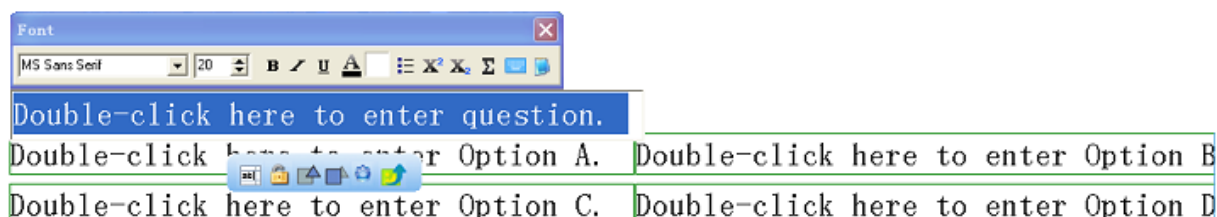


② After you choose the question type you need, click “Insert”, then the question type you selected will be shown on current page.

- 1 Double-click here to enter question.  
 Double-click here to enter Option A. Double-click here to enter Option B  
 Double-click here to enter Option C. Double-click here to enter Option D

**Edit Question:** You can edit the interactive questions you insert.

To activate Title or Option text box, you can double-click text box, or click “Insert Text” and text box in consequence, or select the text box and click  on Marquee Handles.



Edit the question in the text box. To exit the text box, simply click any blank part of the page. You can drag the title or option text box to change its position.



1  $1+1=?$   
 A. 1  
 B. 2  
 C. 3  
 D. 4

**Question Settings:** You can set questions on current page as follow. The question No. editing will turn red in the Option Bar.



**Note:** You can insert one or more question in Gap Filling. One kind of answer will be displayed in one line. For example,  $1-2/5=?$ , answer can be  $3/5$  or  $0.6$ . Support any character except @., Please see sample image above.

**Insert solutions of Question:** You can set the solutions of every question and display it after finishing the Interactive Response(Only IQPad Student supports display solutions )

tu

**Courseware Information:** You can check total questions, total points, total times and the quantity of questions without answers here.



**Question List:** You can check question information(answer or point) in Interactive Exam Option. (Voting quiz is not available).

Object	Page	Question
Interactive Response	Exam	
No.	Answer	Score
1	B	10
2	True;	10
3	BC	10
4	3/5;0.6;	10
5	1234	10


## 3.7 Assistant Tools

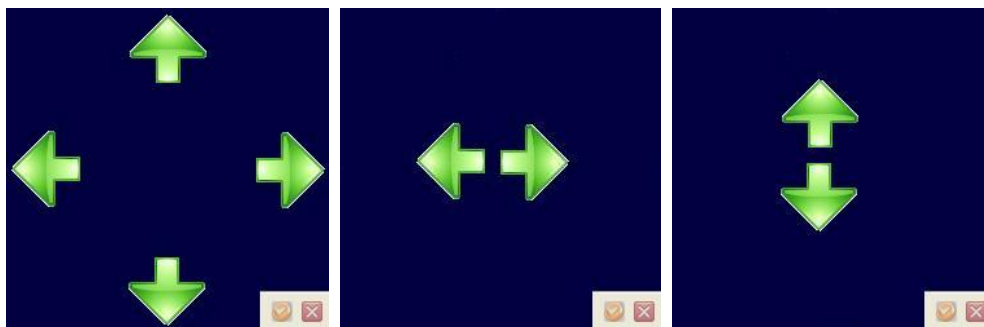
### 3.7.1 Screen Tools

IQClass provides you with kinds of screen tools, including Spotlight, Reveal Screen, Screen Arrow, Highlight and Black Screen. You can get these tools from “Tools” Menu Bar, Assistant Tools toolbar or Floating Tools toolbar.

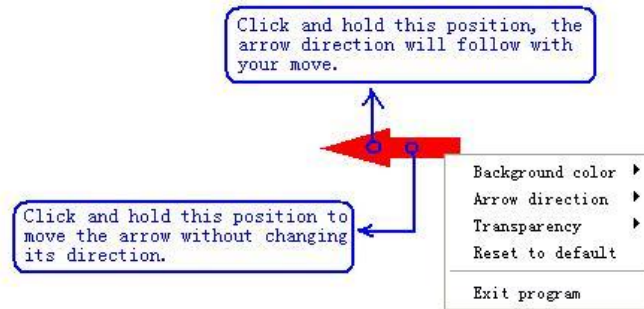
**Spotlight** : You can drag the rim to zoom and move the Spotlight. The lower layer of highlighted area can be operated. You can click  on the screen bottom right to adjust the properties of Spotlight.



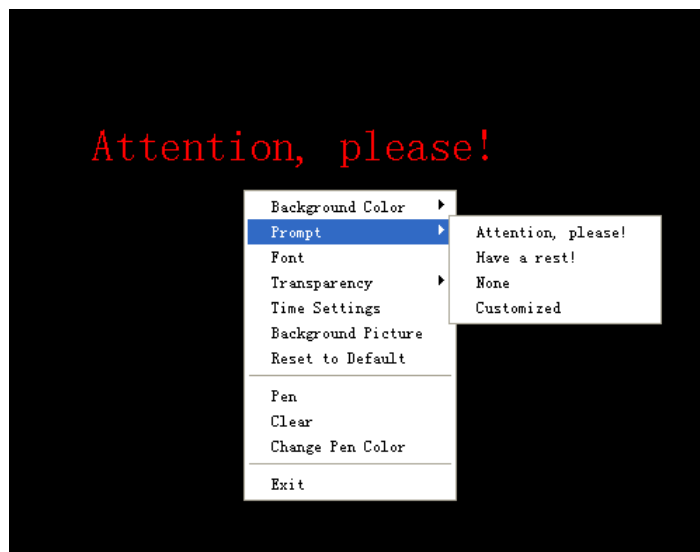
**Reveal Screen:** Three revealing methods are provided: top-bottom, left-right, all directions. The uncovered area can be operated. You can click  on the screen bottom right to adjust the properties of Reveal Screen function.




**Screen Arrow:** You can place a large arrow on the interactive screen to draw attention to a screen area. Right-click the arrow, you can change the background color, direction and transparency of the arrow.




**Black Screen:** You can display a black screen background, such as color, picture, prompt message, to draw attention or prompt the next teaching step. You can also set time for black screen. To close Black Screen before time is up, please press “*Ctrl+Alt+E*”.



**Highlight:** You can click  in the bottom right of screen to adjust the properties of Highlight, such as background color and transparency. And you can select Single Spotlight or Multi Spotlights to highlight one or multi areas for attention.

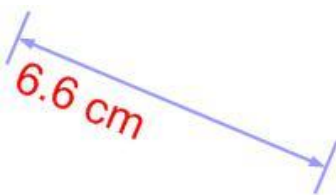


### 3.7.2 Label Tools

IQClass provides you with kinds of Label Tools, including Dimension Label, Angle Label, Dividers, Ruler, Protractor, Isosceles Right Triangle and 30° Right Triangle. You can get Label Tools by selecting  from "Tools" Menu Bar, Assistant Tools toolbar or Floating Tools toolbar.



**Dimension Label:** Make a Dimension Label for annotating distance between two points. To add a Dimension Label on page, please move the cursor onto the page, determine the start point of the dimension and click, then move the cursor to another point on the page and click. These two points will be linked automatically, and the length will be displayed.

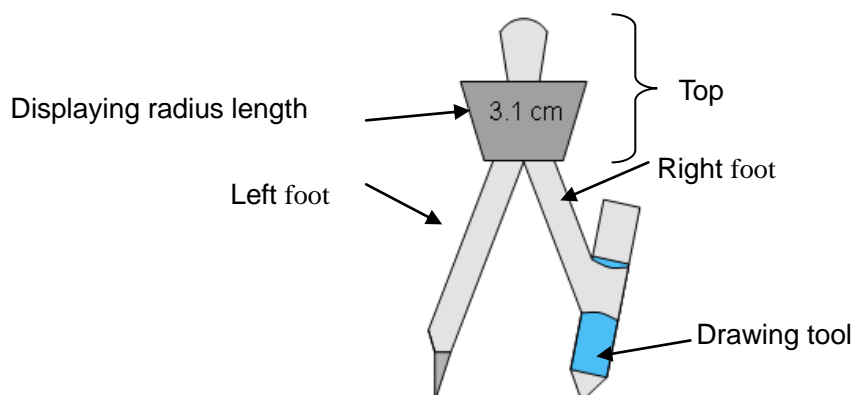


**Angle Label:** You can use Angle Label tool to measure an angle, and modify the magnitude of the angle again. To add an Angle Label on page, please move the cursor onto the page and click to determine the vertex, click again to determine one side of the angle, then move the cursor, relevant angle will be displayed on the page.



**Note:** The displayed degree of Angle Label is the degree created by the second side rotating from the first side counterclockwise.

**Dividers:** You can use Dividers tool to draw an arc or a sector.



To move dividers, please click top or left foot of the dividers, and hold to move the dividers to change its position;

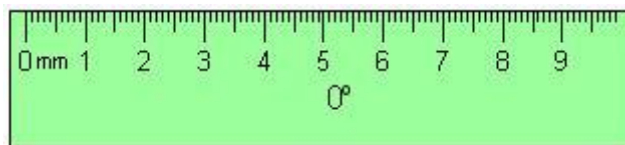
To change radius, please click right foot of the dividers, and hold to move to left or right

horizontally, then the length of radius will change and get displayed on the dividers;

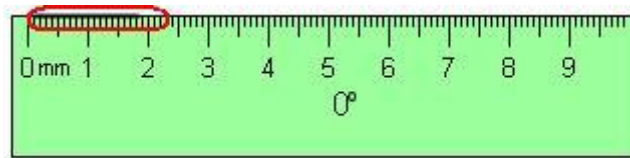
To drawing an arc or a sector, please click and hold the drawing tool on the dividers, then rotate it for drawing.

You can change properties from right-click menu, such as color, transparency, decimal digits, units (There're cm, mm, pix, inch in drop-down list; you can also type a unit you need by manual.) ,

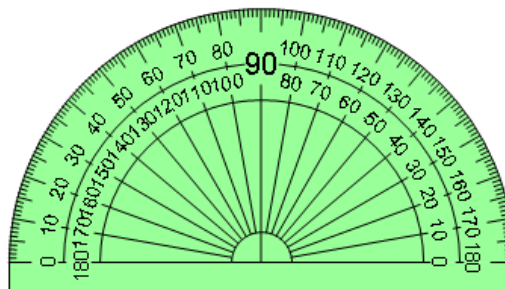
**Ruler:** You can use Ruler to measure objects and to draw a line in any particular size (10cm by default; able to be extended infinitely). To add a Ruler on page, please move the cursor onto the page, determine the position of the ruler and click, then the ruler will be displayed on the whiteboard page.



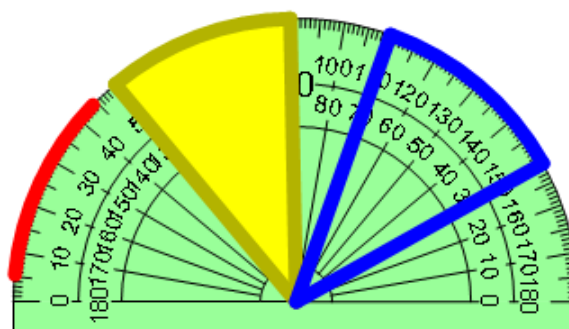
You can also use Freehand Drawing tools or Line tool to draw a straight line with a particular length along the scales of the ruler. When rotating the ruler, the current angle of rotation is displayed in the center of the ruler.



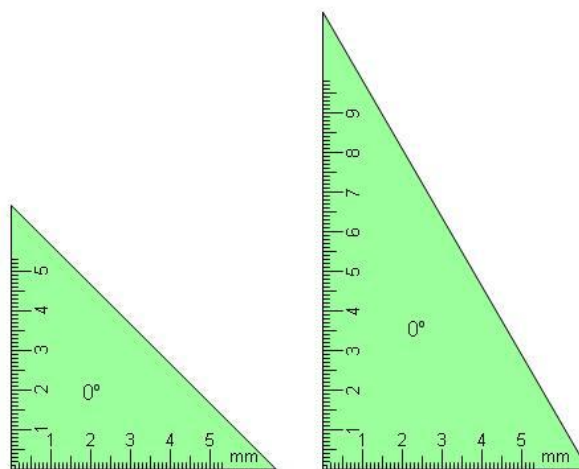
**Protractor:** You can add a protractor on the whiteboard page. You can also use the protractor to measure angle and draw arcs with a particular angle. To add a Protractor on page, please move the cursor onto the page, determine the position of the protractor and click, then the protractor will be displayed on the page.



You can also select Arc, Solid Sector or Hollow Sector from right-click menu, and then use Freehand Drawing Tools or Line tool to draw the selected shape along protractor scales.



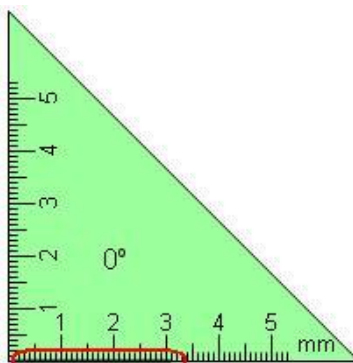
**Right Triangle:** Two Right Triangle tools are provided, Isosceles Right Triangle and 30° Right Triangle. To add a Right Triangle on page, please move the cursor onto the page, determine the position of the right triangle and click, then the right triangle will be displayed on the page.





Isosceles Right Triangle

30° Right Triangle

You can use Freehand Drawing Tools and Line tool to draw a straight line along the scales of the right triangle. When you rotate the right triangle, the current rotation angle will be displayed in the center of the right triangle.





### 3.7.3 Screen Capture

To get Screen Capture function, you can click “Tools” on Menu Bar, or click  on Assistant Tools toolbar, or click  on Floating Tools toolbar.




To capture a full screen: click “Full Screen Capture”  to capture the whole screen.

To capture a window on screen: click “Window Capture”  button on the toolbar, select the window you want to capture, and click the window.

To capture a rectangle screen area: click “Area Capture” ”, then press and drag the cursor to define the rectangle area you want to capture;

To capture a freehand area: click “Freehand Capture” ”, then press and drag the cursor to


freely define the area you want to capture.

You can also click  to select the inserting method of the captured screen. “Insert to current page” and “Insert to new page” are available.

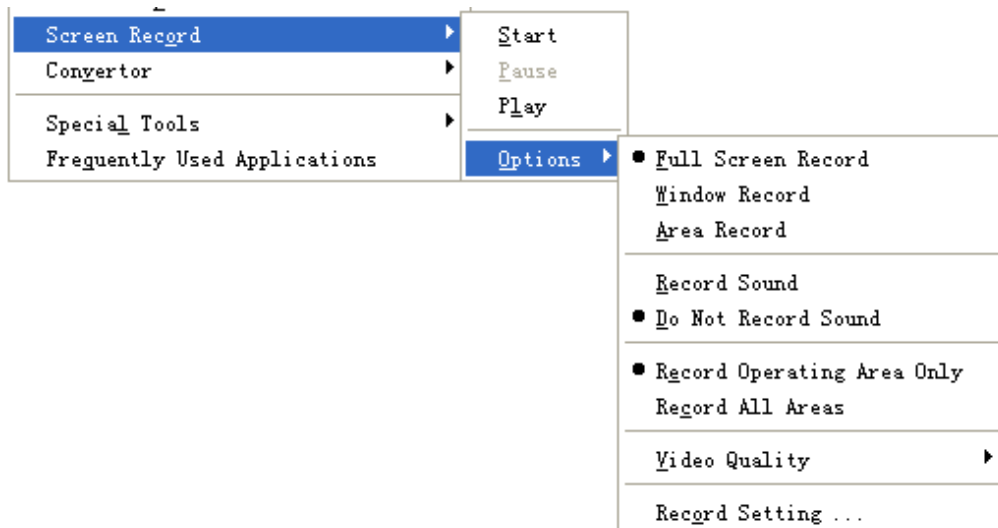
- Insert to Current Page
- Insert to New Page


### 3.7.4 Screen Record and Playing

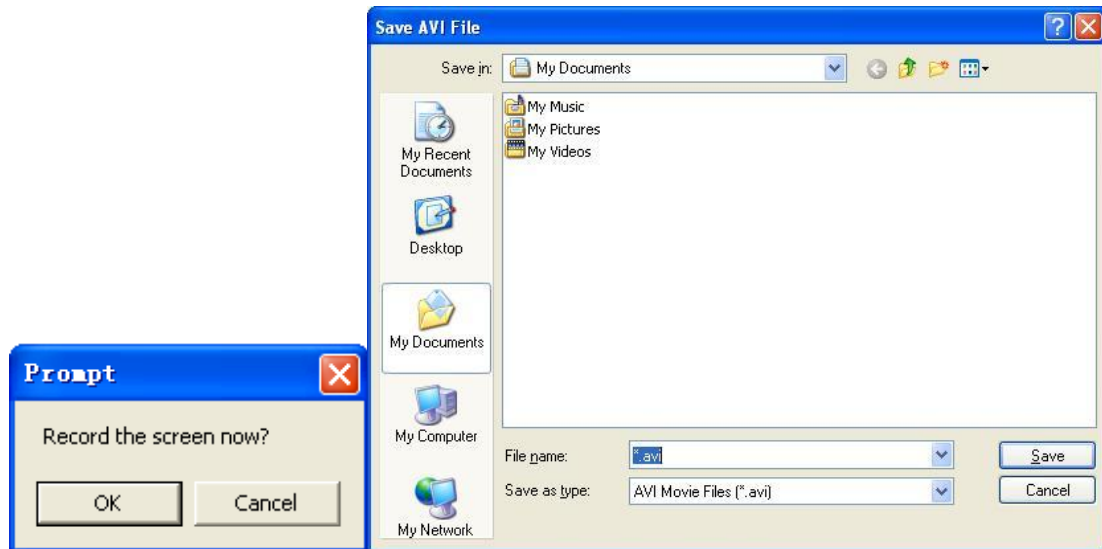
To get Screen Record function, you can click “Tools” on Menu Bar, or click  on Assistant

Tools toolbar, or click  on Floating Tools toolbar.



**Screen Record:** To make a screen record, please select the recording style you want from “Options”. Video quality can also be adjusted.



Click , a Prompt window appears, click “OK”, then a file saving window appears. Determine the file name and path, then click “Save” to start recording.



 **Note:** You can default video saving path from “Options > Save Path > Default Path”.

During recording, you can click  to pause your recording; and you can click  to finish the recording.

**Video Player** :





**Converter:** You can convert the recorded AVI file to SWF, WMV and EXE format.

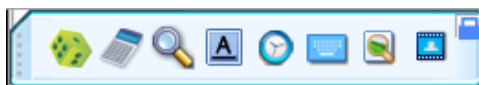
AVI to SWF AVI to WMV SWF to EXE
--


### 3.7.5 Special Tools

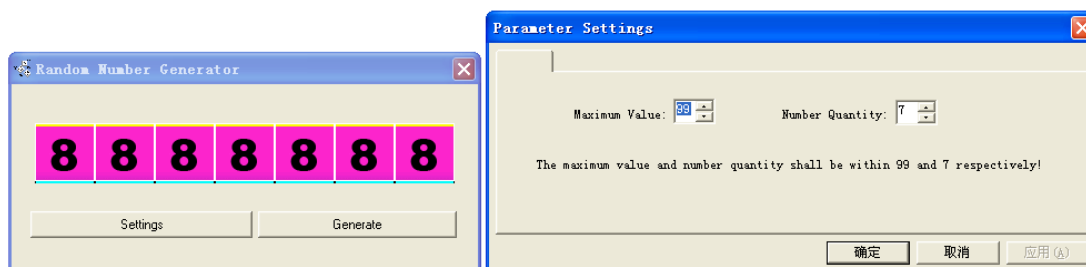
IQClass also provides some useful tools, including Dice, Calculator, Magnifier, Tickertape Scrolling, Clock and On-Screen Keyboard, Layer Perspective, Video Capture. To get Special





Tools, you can click “Tools” on Menu Bar, or click  on Assistant Tools toolbar, or click  on Floating Tools toolbar.




**Dice** : You can use Dice to generate 1-7 random numbers. And you can click “Parameter setting” to set the maximum value and the number quantity.

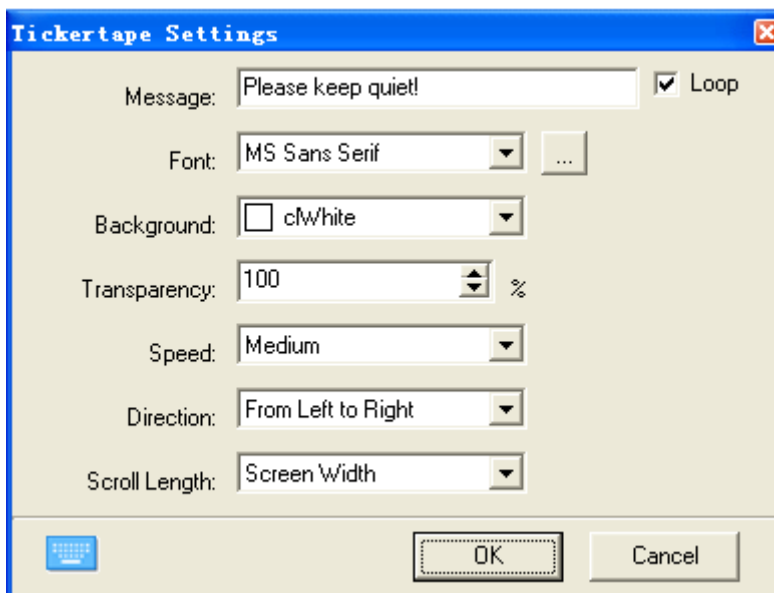



**Calculator** : IQClass can call calculator from your operating system.

**Magnifier** : Magnifier can easily magnify areas of the screen. From right-click menu you can change the Magnifier Properties, such as magnifying shape, scale, window size, and etc.

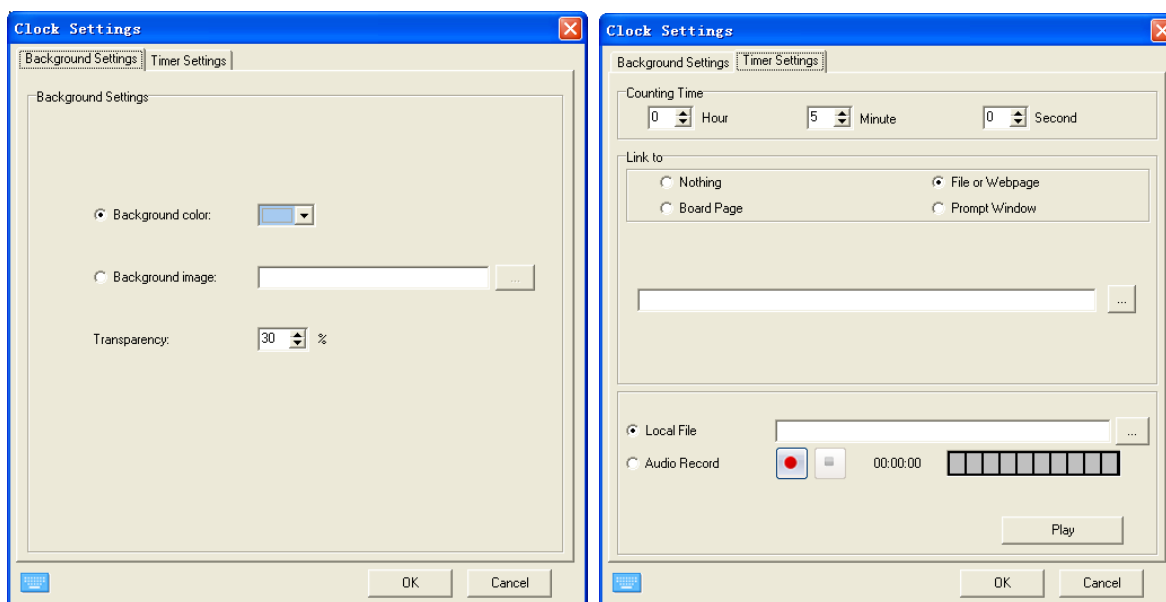
**Tickertape** : You can create tickertape scrolling on screen to prompt message.


Tickertape Settings window appears as follow, you can change the properties if necessary:




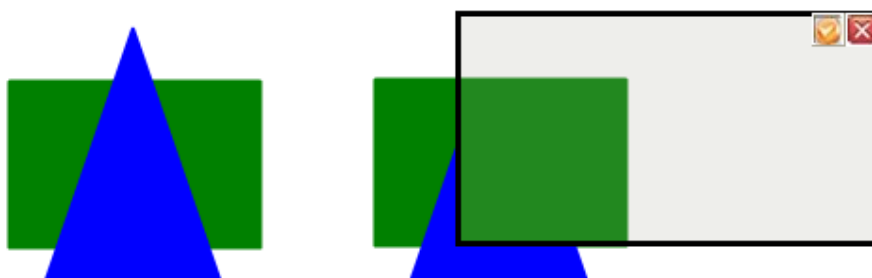
**Clock and Timer** : The Clock tool allows you to display a clock or a counter on the screen.


You can customize the Clock by clicking  icon.

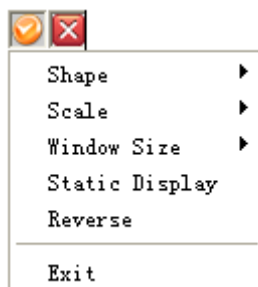


**On-screen Keyboard** : IQClass can call On-screen Keyboard from your operating system.



**Layer Perspective** : With Layer Perspective, perspective of multiple objects layers and display of the below object or image can be achieved. To use Layer Perspective, please move it onto the superimposed layers.



By default, the perspective layer(s) number is one layer; but you can right-click the tool or click  at top right to set the shape, transparency, and perspective layers.





**Video Capture**: With Video Capture, the connecting camera or DV video can be displayed. And you can capture the video onto the board page.

To use Video Capture, please click  on the Video Capture window, the connecting camera or DV video will be displayed on the software. And you can click  to set the resolution of the

video.



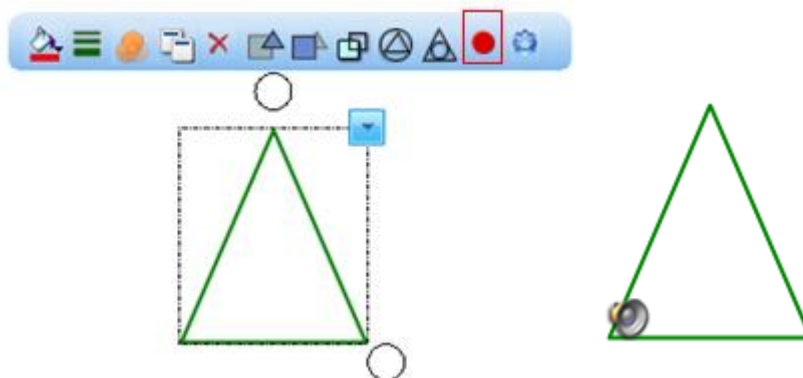
**Note:** If there are several cameras and DV videos connecting to the computer at the same time, you can change the video source.

You can also click  to set to insert the captured video to current page or new page, then click  to start the capture.


**Audio Record:** you can record the audio and play it by inserting the audio files to the page.



You also can click the audio record icon to record the audio on the toolbar, click it again to stop, and the recorded audio will link to the object automatically.



### 3.7.6 One-key Wizard



Click  on the Floating Tools toolbar to close current window.

Click  on the Floating Tools toolbar to minimize current window.




**Note:** By default, these two icons are not on the Floating Tools Toolbar, you can customize the Floating Tools Toolbar in System Settings>Toolbar on Menu Bar.

### 3.7.7 Quick Access to Frequently Used Applications


With Frequently Used Applications, you can get quick access to any external program and file. To get Frequently Used Applications, please click “Frequently Used Applications” on Menu Bar, or click  on Assistant Tools toolbar, or click  on Floating Tools toolbar, then the Application toolbar appears (displaying IE Program by default).





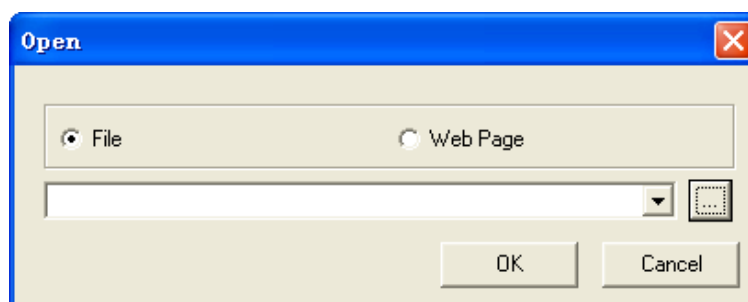
Then click a shortcut icon on the toolbar to directly open the external program or file.

Meantime, you can click  to add and delete any application.

### 3.7.8 Embedded Window

With Embedded Window , you can embed office documents (doc, xls, ppt, docx, xlsx, and pptx) to board page and can edit them as well.

To add an Embedded Window on page, please select “Embedded Window” on Menu Bar, or click  on Assistant Tools toolbar, or click  on Floating Tools toolbar; then move the cursor to the position you want to embed and single click it. Open window appears as follow:














You can select a file or webpage you want to open, and then click “OK”, your selected file or

webpage will be embedded into the board page.



Click the icons at the bottom for corresponding operation:


Open		To reopen the file or webpage you want to embed.
Read		To read the file or webpage you have opened.
Play		To play the opened file.
Pause		To pause current playing.
Stop		To Stop current playing.
Save		To save word and excel revised by current user.
Zoom in		To zoom in the opened office document or webpage.
Zoom out		To zoom out the opened office document or webpage.
Maximize		To Maximize the window.
Restore		To restore the maximized window to original.
Close		To close the embedded window and it will display on the board page as an object




*Note: For windows XP, you need update to IE7 for zooming in/out the webpage.*

### 3.7.9 Shade Tool

With Shade Tool, you can shade some content on the board page. Sometimes it's useful in teaching or demo.

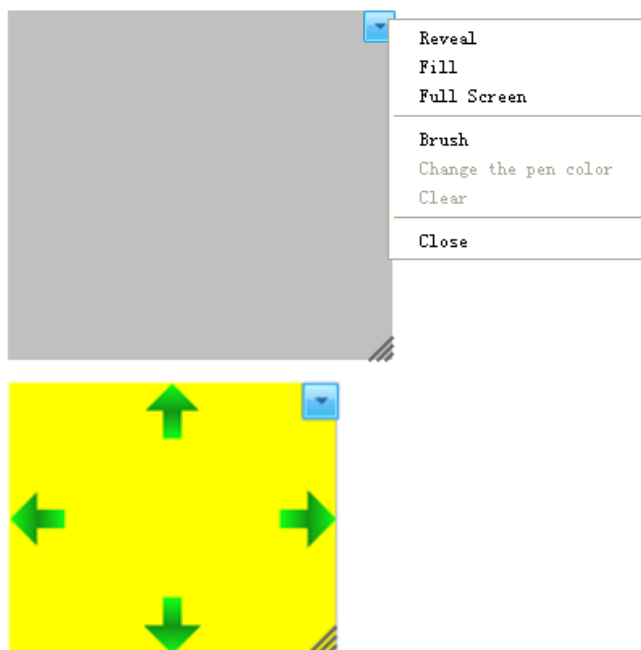
To add a Shade Tool on page, please select "Shade Tool" on Menu Bar, or click  on

Assistant Tools toolbar, or click  on Floating Tools toolbar.

To drag a rectangle to shade the content on the board page, you can change the shading size by clicking the rectangle and holding on to move it or clicking the drag button  at lower right corner and holding to move it.



Right-click the Shade Tool, you can set its display effect by selecting “Reveal” or “Fill” or “Full Screen”. You can also do annotation on the Shade Tool background area by clicking “Annotation”. Click “Clean Annotation” to clean your annotation. If you close Shade Tool without selecting “Clean Annotation” or “Reset to Default”, your annotation will be shown next time when you use Shade Tool.



To close the Shade Tool, you can double click it or select “Close” at the right-click menu.



**Note:** The shading tool cannot shade floating windows including video, flash, embedded window and gif dynamic image.




### 3.7.10 Text to Speech

With Text to Speech tool, the text on the board page can be read with voice.


To use Text to Speech tool, please select “Text to Speech” on Menu Bar, or click  on

Assistant Tools toolbar, or click  on Floating Tools toolbar.



Move the cursor to the text you want voice reading and click the text, voice reading of the text begins. By default, the text is read in Chinese. You can click  on the above setting bar to change from Chinese to English. And you can adjust the reading speed  and volume .



**Note:** User can download and install other TTS speech database from internet. After installation, the installed language will be added into Setting  list.

## 3.8 Video Conference

Video Conference can bring people at different sites together for a meeting. With this function, all kinds of real-time interactive features such as video conversation, screen sharing, voice intercom, and text chat can be achieved.



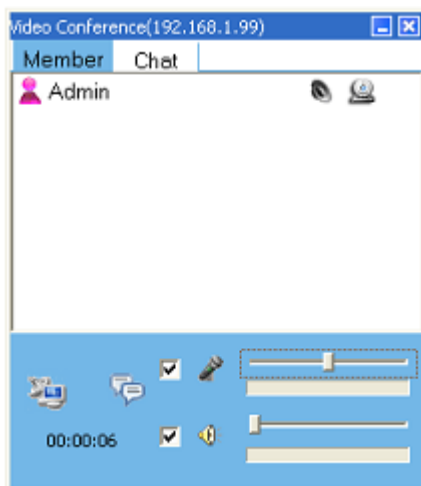
**Note:** This function is available only when an IQBoard whiteboard or USB dongle is connected.

### 3.8.1 Create a Conference

To create a conference, please

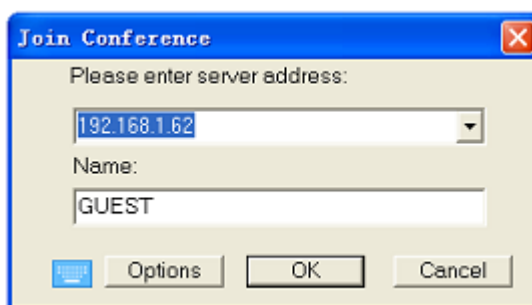
Select “Video Conference > Create Conference” on Menu Bar, then create a Conference window appears.

You can change the name if necessary, and if you have several IPs, you can select an IP by dropping down at the IP address inputting box. Click “OK”. The video conference is created.

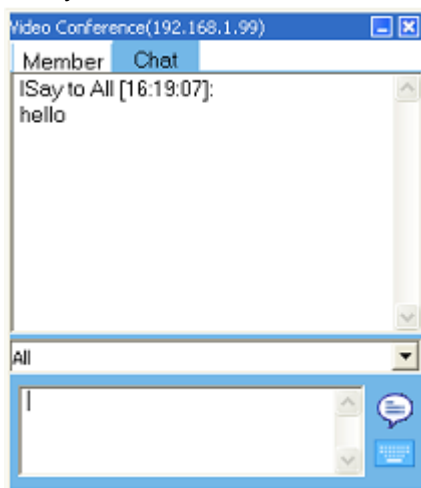


### 3.8.2 Join a Conference


To Join a created conference, please select “*Video Conference > Join Conference*” on Menu Bar, then the Join Conference window appears.



Click “*Options*” button on the Join Conference window, and set the local IP, audio input device and video device. Click “*OK*”, now you can enter the conference window to join it.






### 3.8.3 During a Conference


**Hide/Show the Video Window of Any Participant:** After joining the conference, local video window and the conference presenter’s video window are displayed automatically on the desktop. You can hide and show any participant’s video window by clicking  beside the participant's name.



**Share Desktops of Participants:** The participants can share desktops with each other by

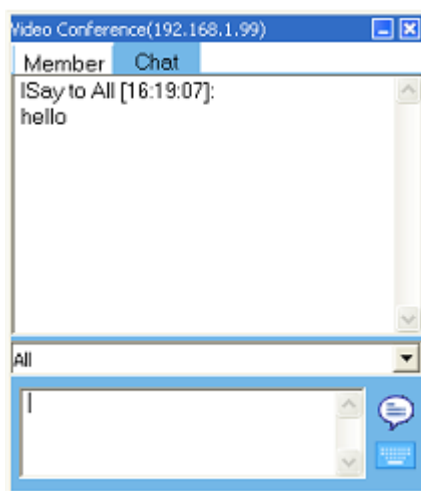


doing clicking . Participants can use this function only after presenter's confirmation.


**Enable/Disable Microphone and Speaker:** You can tick  and  or not to enable or disable your microphone and speaker. You can also use the sliders beside to adjust the volume of microphone and speaker.


In addition, you can enable and disable the microphone and speaker by clicking  beside the participant's name in the User Tab.

**Send Message to Other Participants:** Any participant can send message to others. Please select "Chat" tab or click  button, and input your message in the text box, then click  to send the message.



### 3.8.4 Leave a Conference

Any participant can click  on the top right of the Video Conference window to quit the conference;

Presenter of a conference can force a participant to leave the conference by clicking  beside the participant's name in the User Tab.

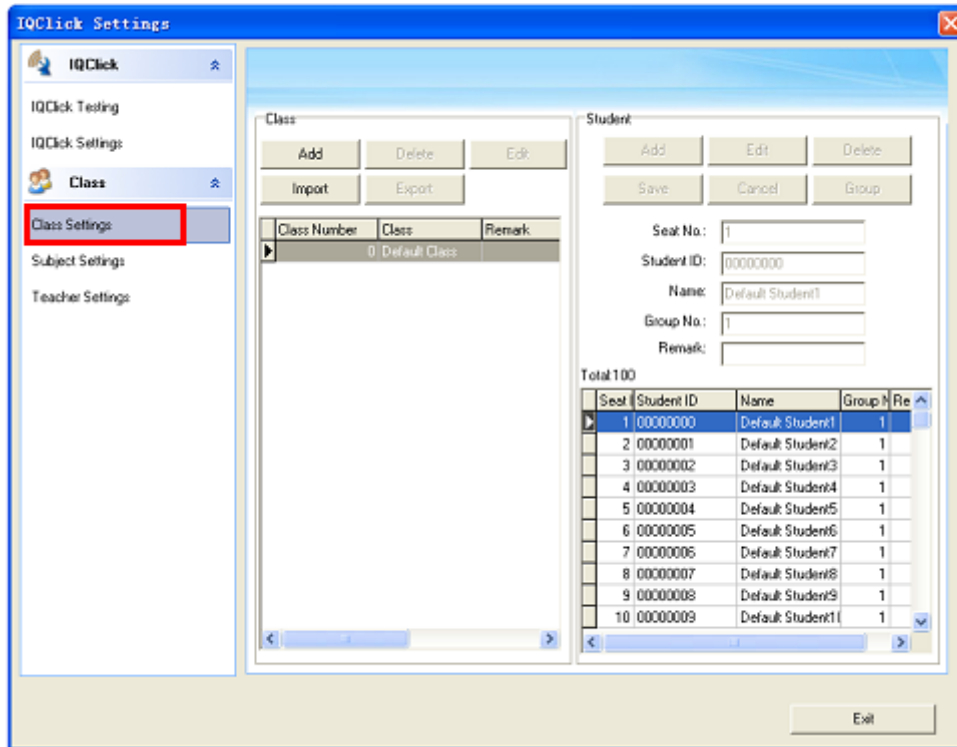
## 3.9 Settings

### 3.9.1 Class Management

You can find Class Settings, Subject Settings and Teacher Settings in Class Management.

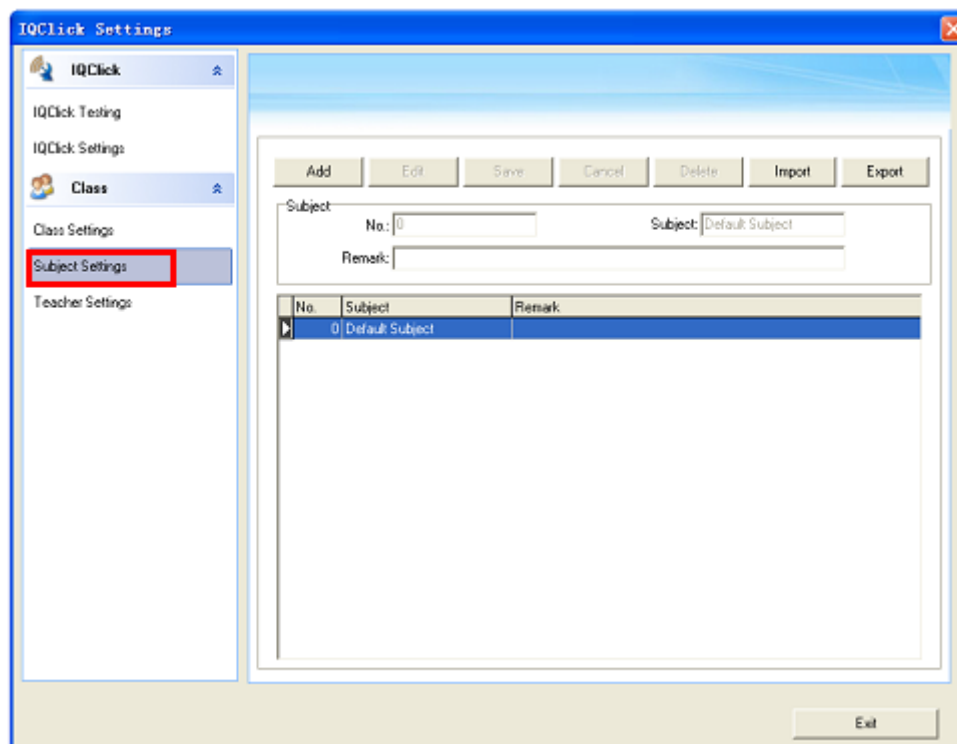
#### Class Settings

In Class Settings, you can add, delete, edit, import or export class database, and add, delete, edit or group student information.



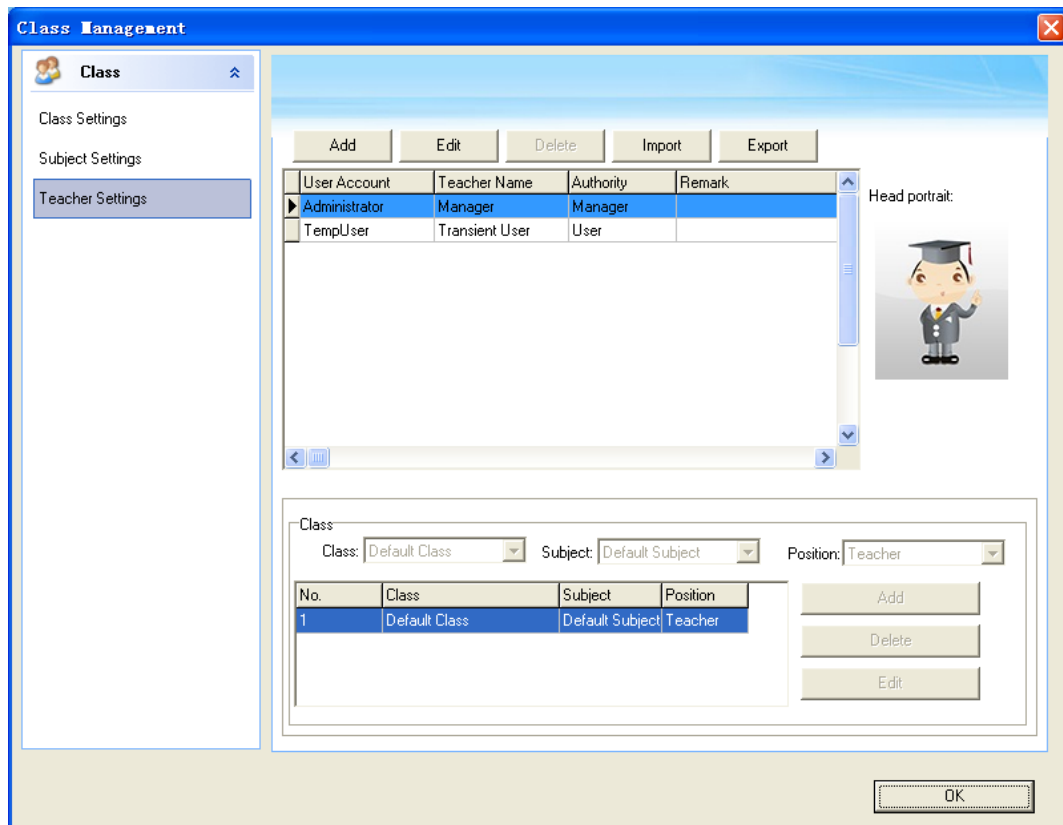
## Subject Settings

In Subject Settings, you can add, delete, edit, import or export subject database.



## Teacher Settings

In Teacher Settings, you can add, delete, edit, import, or export teacher database. Furthermore, teacher can also be related to class and subject he/she takes charge of.



### 3.9.2 System Settings

System Settings Panel allows you to change the default properties of Drawing Tools, Toolbars, Quick access, Operating setting and Other Settings.

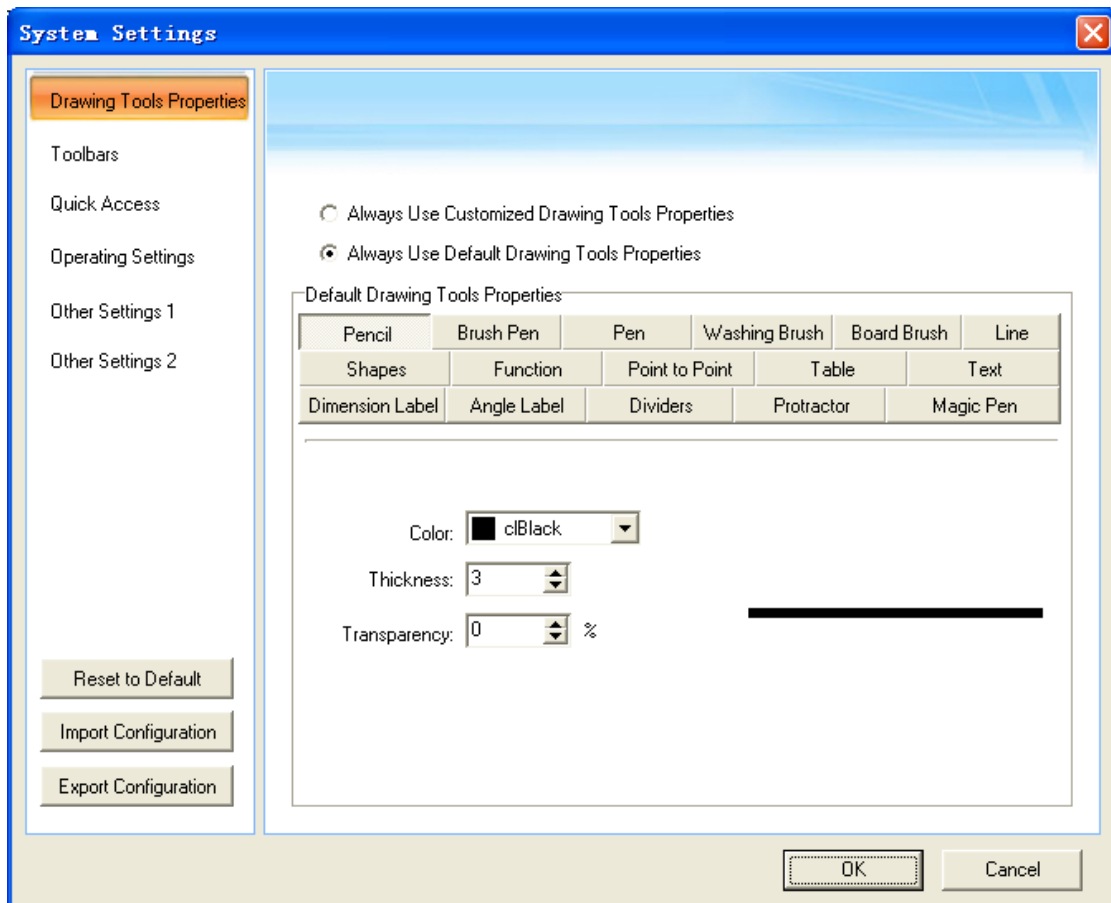
To open System Settings Panel, you can click “*System Settings*” on Menu Bar; or click the IQClass taskbar icon at the right lower corner, and then select “*System Settings*”.

**Reset to Default :** Restore all the system settings to factory settings.

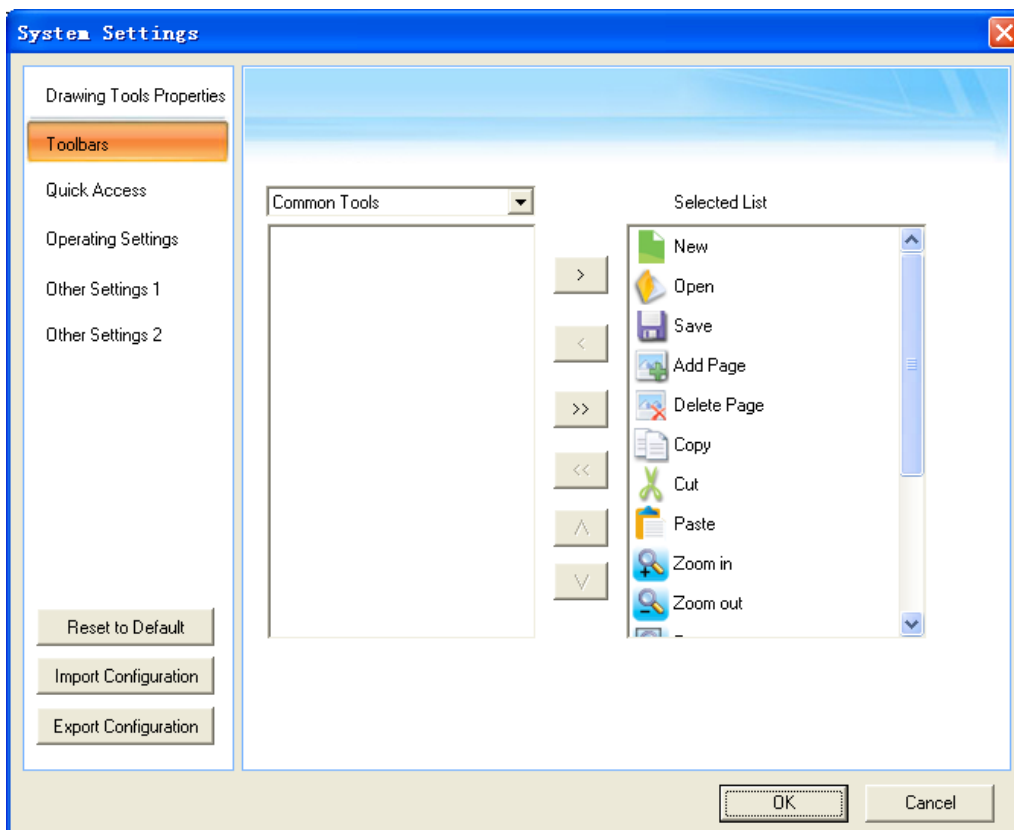
**Export Configuration:** After you finish all the setting, you can export the setting and save it as a configuration file for later use.

**Import Configuration:** You can import the configuration file which was saved before.

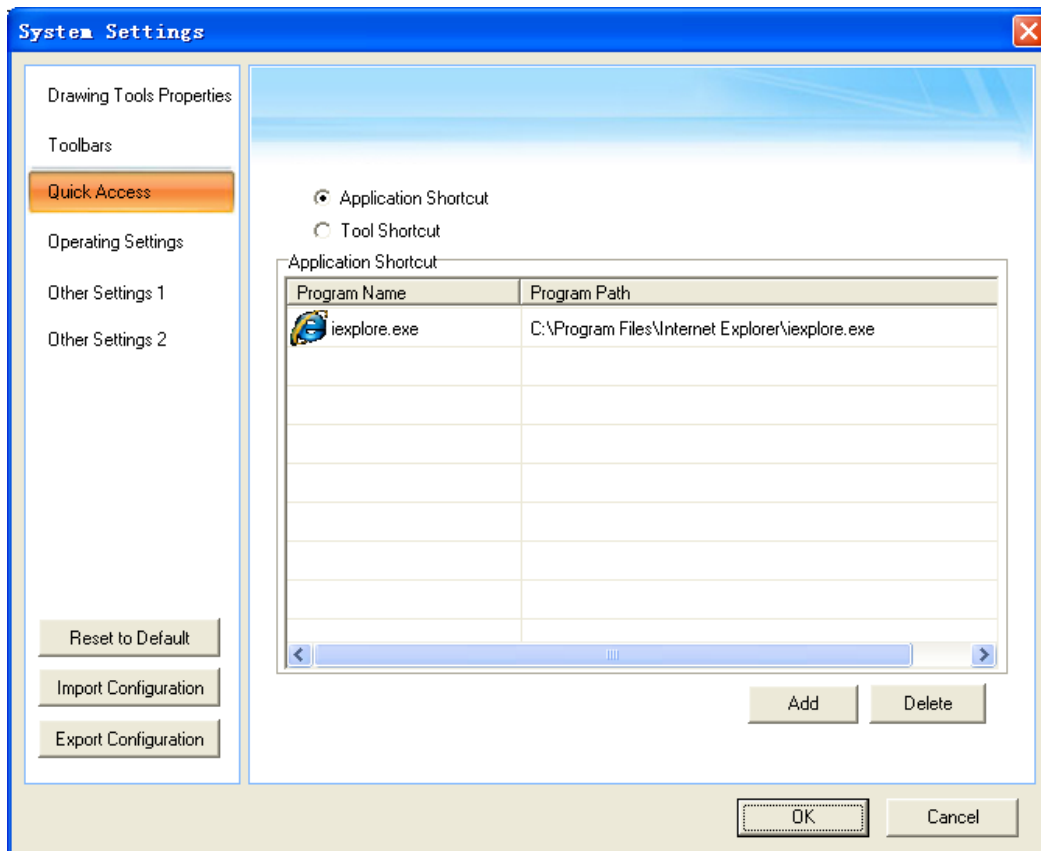
**Freehand Drawing Tool Properties:** You can change the default properties of Drawing Tools, such as color, thickness, transparency.



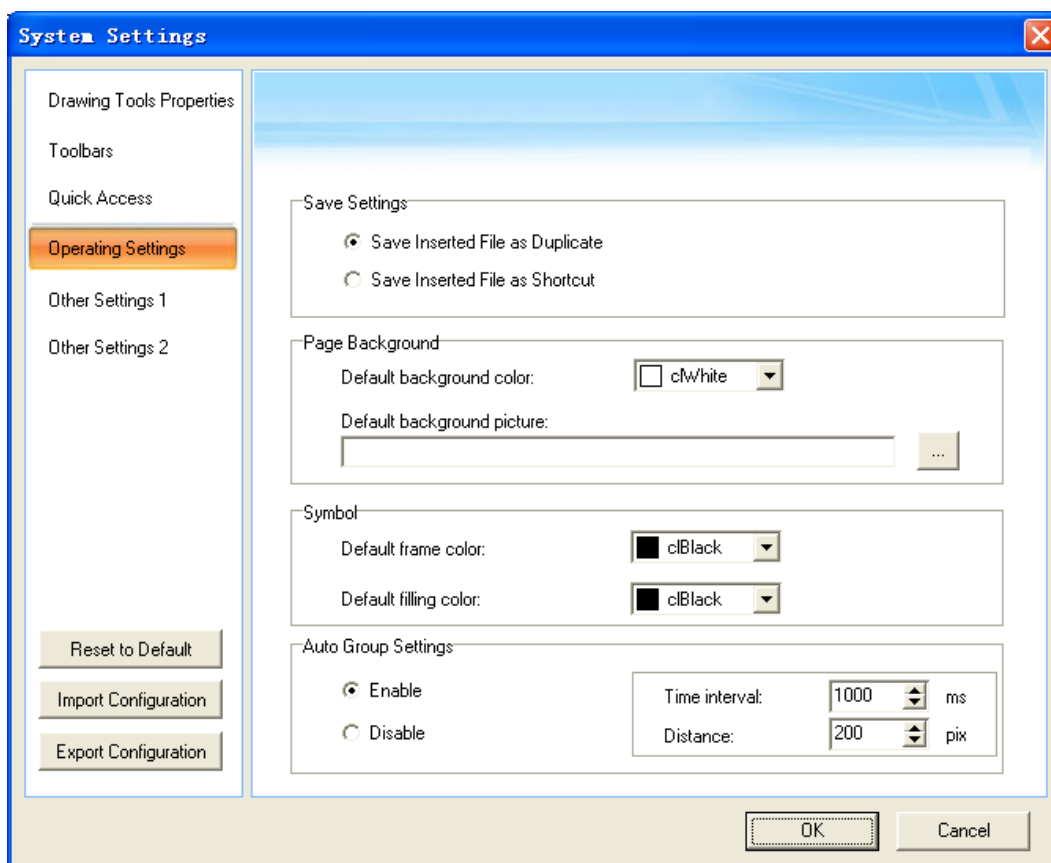
**Toolbar Settings:** You can customize the icons on Drawing Tools toolbar, Common Tools toolbar, Assistant Tools toolbar, Floating Tools toolbar, Resources Panel, and Subject Tools.



**Quick Access Settings:** You can add at most 20 applications in your operating system into Application Shortcuts. Tool Shortcut is for the Tool Shortcut hotkeys on IQBoard interactive whiteboard. At most 8 tools can be added into Tool Shortcut.



**Operating Settings:** By clicking "Operating Setting" on System Settings Panel, you can do Save Setting, Page Background Setting, Symbol Setting and Auto Group Setting.



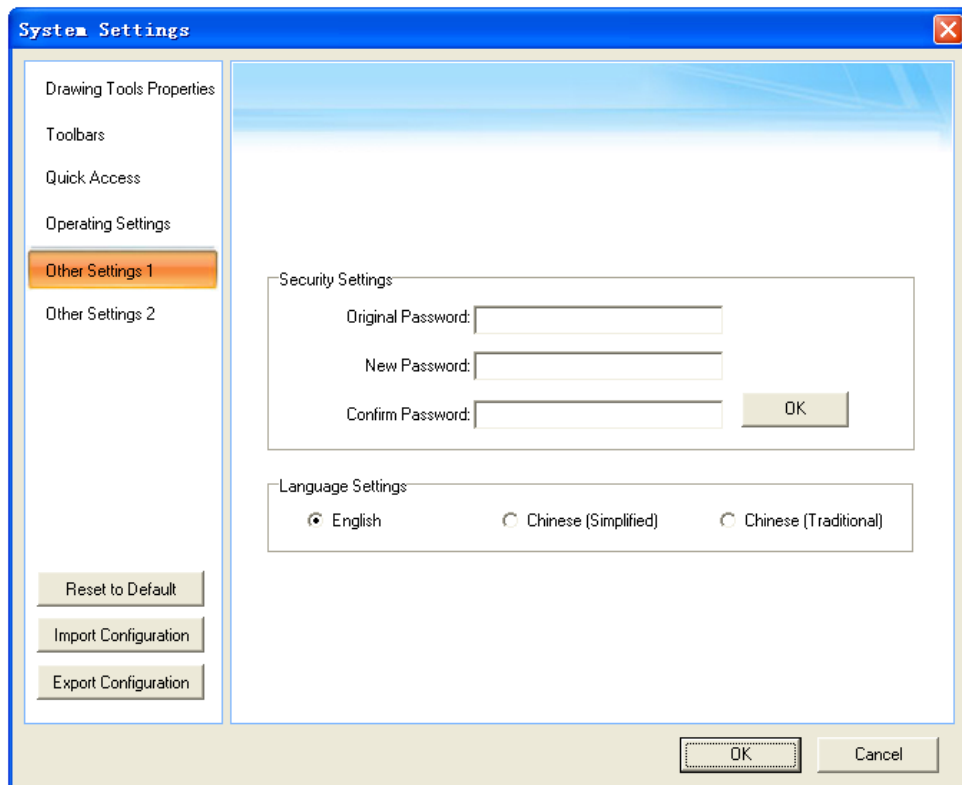
To save settings, if you choose “Save Inserted File as Duplicate”, the inserted file such as video, Flash, and files opened in embedded window will be saved as duplicate into cdf or cdp resources list; If you choose “Save Inserted File as Shortcut”, the inserted file such as video, Flash, and files opened in embedded window will be saved by memorizing the files’ location.

To set page background, you can also set default background color and default background picture.

With Symbol function, you can set default frame color and default filling color of the symbol.

If you enable Auto Group Settings, when you draw or write on an interactive screen with Freehand Drawing Tools (including pencil, pen, brush pen, washing brush and creative pen), IQClass will automatically group the objects you create in close proximity, enabling you to interact with these objects as a single object. There’re two settings for this function: Time Interval (the duration between creating two different objects) and Distance (the intervening space between two different objects).

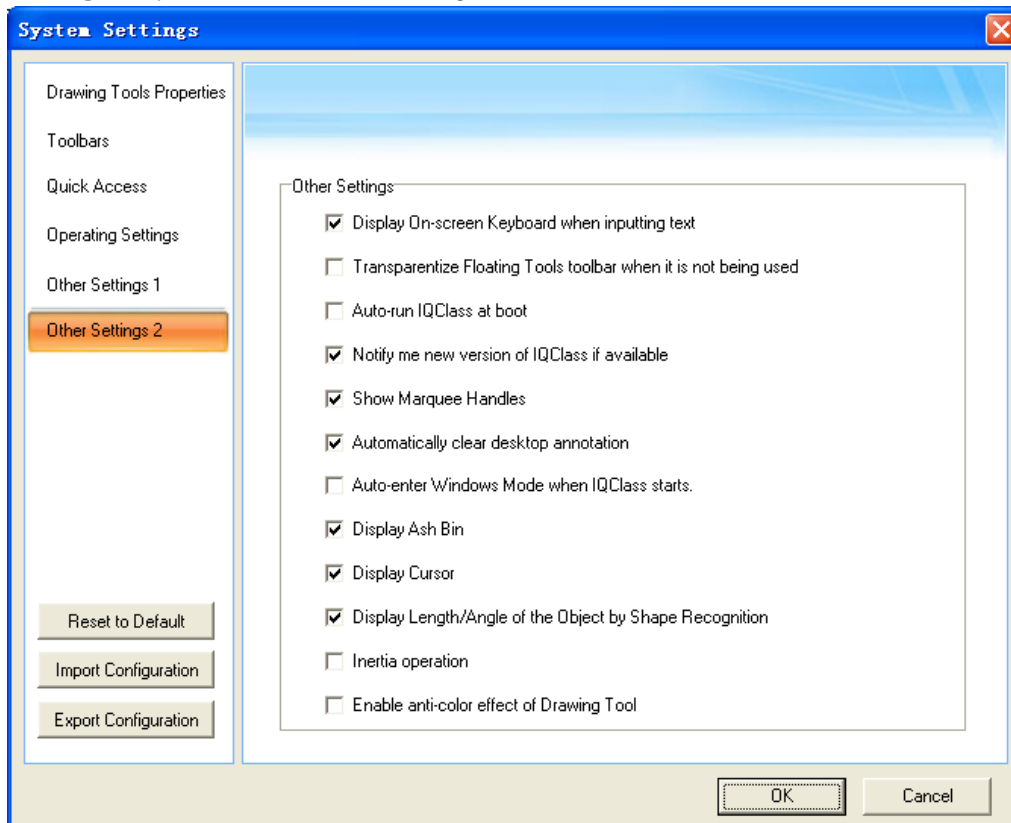
**Other Settings 1:** By clicking “Other settings 1” on System Settings Panel, you can do language settings and do security settings.



**Security Settings:** you can change the passwords of current user account.

**Language Settings:** you can change the software interface language among Simplified Chinese, English and Traditional Chinese.

**Other Settings 2:** you can do other settings as follow



## **3.10 Backup and Recovery**

### **Data Backup**

Click “system settings” >”backup and recovery” >”data backup” on the menu, you can export and backup the class, subject , teacher’s information and activity data, in case data accidental loss.

### **Data Recovery**

Click “system settings” >”backup and recovery” >”data recovery” on the menu, you can Select the files you the last backup, and import to your backup data directly.



# Part III Version & FAQ

## Chapter 1 Version Statement



IQClass is a set of software that will be constantly updated. In addition to the update of Symbol Library and Resource Library, we will continually increase its functions and make some improvement. So we strongly recommend the clients to update the software regularly.

## Chapter 2 FAQ

**1. While installing the software, the installation interface window is stretched; and meantime, when I start the software, it prompts unwanted error message. What can I do?**

This problem will not occur if your computer is in normal use. If it occurs, the main reason is DPI of display is too high. Please right click windows desktop blank and get the “*Properties*” menu, choose “*Settings*” and then “*Advanced*”, change DPI into “*Normal size (96dpi)*” at DIP Setting. Then restart the computer.

**2. After using the function of Screen Record, I cannot see some windows in the saved recorded video, such as floating toolbar, the annotating window in Windows Mode. How can I do?**

It is because the system only records the operating area by default in order to control the size of video files. If you want to record all windows and the floating toolbar, then before recording please click  Screen Record, and then click  Options on the secondary toolbar of Screen Record, select “Record all areas”.

**3. When operating and writing on the whiteboard with the software, the system response is slow, or the stroke is intermittent. What’s up?**

The computer is not under normal running or the memory is occupied too much. Please close some applications or restart the computer.

Or the operating or writing force is uneven. Sometimes the force is too light to be sensed.

**4. When inserting a video file into the whiteboard page and playing it, the video images cannot be displayed, but a black screen there. How to handle it?**

1) The video file doesn’t exist at all, please select and insert again.

2) The video file has been damaged already, please repair and reinsert it.

3) Hardware acceleration is not enough, please do as follow: right click windows desktop blank, “*properties>Settings>Advanced>Troubleshoot*”, and set “*Hardware acceleration*” from “*None*” to 3<sup>rd</sup> rank.

**5. While using the “Spotlight” tool, the concentrated area cannot be highlighted, what’s up?**

The reason is the color quality in system is not enough to support this software function, please right click windows desktop blank, get the “ *Properties*” menu, select “ *Settings*” and then change “ *Color quality*” to “ *Highest (32bit)*”.

**Other questions, please consult our service center or local dealer.**