

Table of Contents

| | |
|---|----|
| Technical Requirements..... | 3 |
| How to install software? | 4 |
| Connecting the Board | 6 |
| Board Calibration..... | 6 |
| Physical Board Toolbar..... | 8 |
| Software Menus and Toolbars | 9 |
| File | 9 |
| Edit..... | 11 |
| View | 14 |
| Draw..... | 17 |
| Tools | 22 |
| How to show, hide and move the toolbar..... | 31 |
| Multi-Touch | 31 |

What is Infrared Interactive Whiteboard?

Infrared Interactive Whiteboard is a comparatively new member of the various IWBs widely installed and applied. It adopts infrared matrix sensing technology, enabling the touchableness of any operation on the board together with computer and projector.

The user can write and draw directly on the whiteboard and conduct any operation of the computer by hand or pen. Furthermore, you can save, print, display and manage all the information in your computer and from the internet with the IWB directly, which has been a very modern solution for education and is in tune with the new generation's digital nature.

Technical Requirements

The minimum and recommended hardware and software required to use KALBOARD Complete software is:

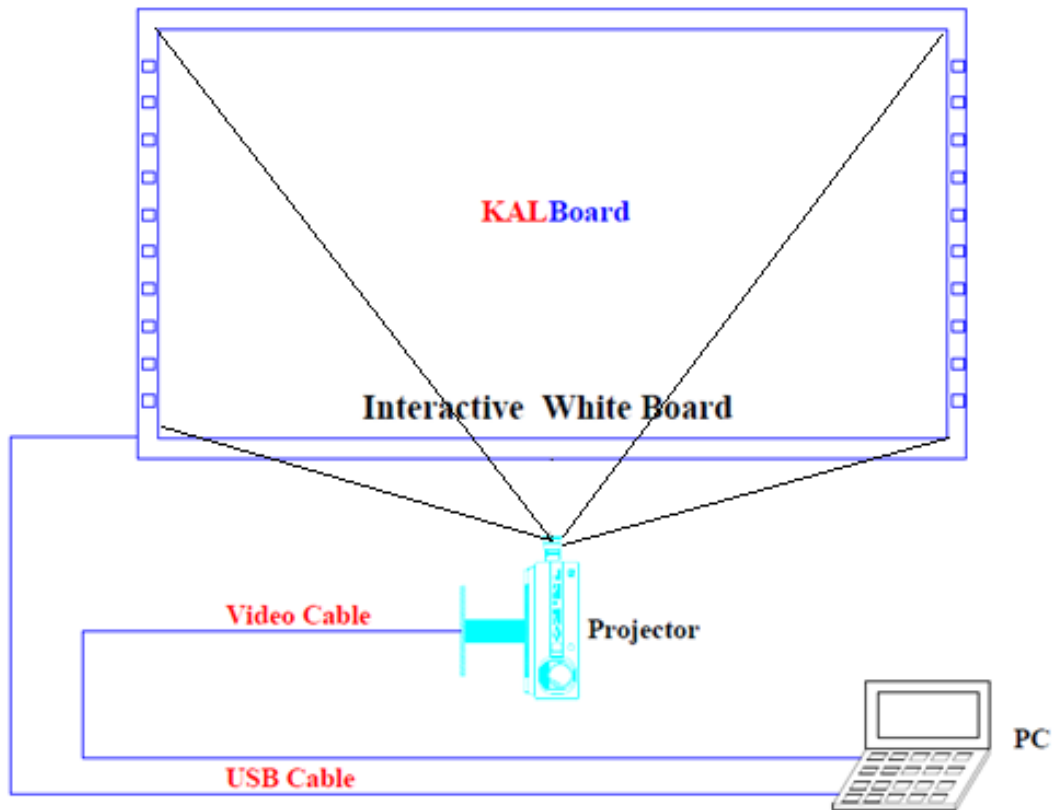
| | Minimum | Recommended |
|----------------------|--|---|
| Operating System | Standalone computers using Windows® XP SP3 (32 Bit), Windows Vista™ (32 or 64 Bit) or Windows 7 (32 or 64 Bit) | Standalone computers using Windows 7 (32 or 64 Bit) |
| Processor | 300MHz x 86 | 1GHz x86 |
| Memory | 128MB | 256MB |
| Storage (to install) | 400MB | 500MB |
| (in use) | 500MB | 1GB |
| Graphics card | 64MB | 256MB |
| Screen | 1024x768 | 1024x768 or above |

The following prerequisites are required:

Microsoft® .Net Framework 3.5 SP1
Microsoft® .Net Framework 4 Client Profile
Flash Player v10 for non-Internet Explorer® browsers
Windows® Media Player 11 or above
Ogg Video / Audio Codec
CD-ROM Drive
USB Port

How to install software?

Connect the computer and the whiteboard by USB cable, (the following installation example is the installation under WINDOWS XP, a slight difference maybe in other operation systems).



Insert the Software CD into your CD-ROM, then click the Software Setup icon. Choose the language you prefer and click “Next” to install the software



Follow the instructions to complete the software's installation, and then click "Finish".





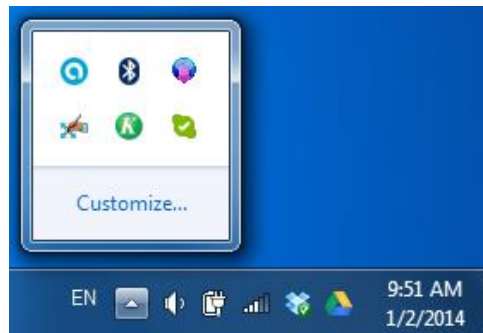
If the driver installed properly, the USB indicator of the whiteboard will light in red. Just click the "KALBOARD Complete" icon on the desktop, which is our application software, to start working

Connecting the Board

When you connect the IWB to the computer through USB cable, the computer will detect the IWB automatically.

To establish communication between computer and the IWB:

1. Make sure the IWB and computer are connected by a USB cable.
2. Start the driver, double click the icon.  on the desktop to connect.
3. To check the status of the IWB, check the driver icon  in the taskbar:




If driver blinking the board **Not connected**




Connected

Board Calibration

To calibrate the IWB before using, right-click the icon  in the taskbar, and choose “Calibrate”. Then you would see the screen like below:




















Click the center point  of the cross for 2 or 3 seconds until the color of the cross changes to blue and raise your hand to the second point until you finish the 4 points to complete the calibration.



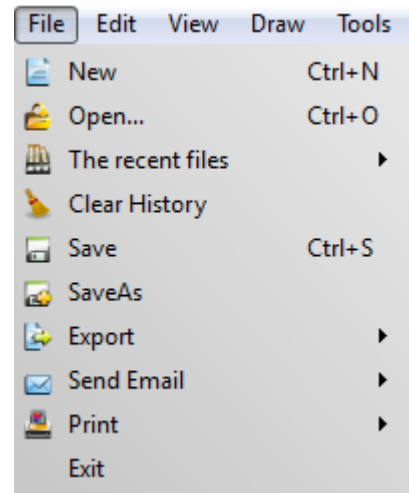
Attention:

1. The calibration is necessary only at the first time the IWB is connected.
2. Re-calibration is required only if the IWB, computer or projector has been adjusted, changed or relocated.


| | |
|---|--|
|  | Physical Board Toolbar |
|  | Mouse Clicking this button updates the mouse pointer to show you are in select mode. You can now select objects and perform actions on them. |
|  | New Page Add new page. |
|  | Previous Page To return to previous page. |
|  | Next Page To progress to the next page. |
|  | List Page Show or hide Page list. |
|  | Open Choose and open picture, drag along the screen to locate the picture. |
|  | Black Pen |
|  | Red Pen |
|  | Blue Pen |
|  | Green Pen |
|  | Eraser |
|  | Laser Pen |
|  | Spotlight Allows you to focus on specific areas on the screen |
|  | Keyboard On-Screen keyboard |
|  | Calibrate To calibrate board |
|  | User Define To define a shortcut for any frequently used program |

Software Menus and Toolbars

File



New

Click “New” in the “File” tab or the icon  to create a new file. The system will ask you whether to save the current document or discard it. After choosing “Yes” or “No” a new file will be created.




New page

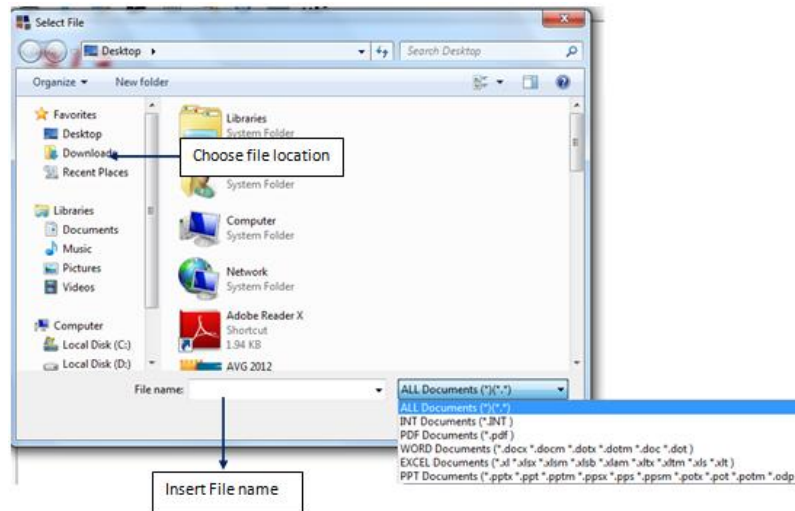
Add new page.



Open

If you want to input file from your computer when you are using software, just click

“Open” in the “File” tab or the icon  and then choose the file you want to input. You can input file in the formats (INT, pdf , MS(Word, Excel, Power point) files of 2007.



Recent files

This tab displays the most recently opened documents. Select one to open it.



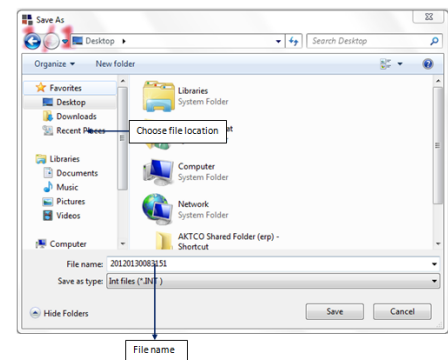
Save

This option saves the current document. If it is the first time you have saved the document, the window that displays will allow you to choose location to save it to.



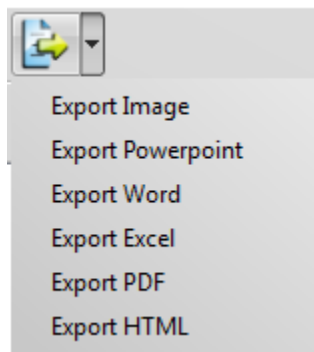
Save as

This option save a copy of the current document. A window will open allowing you to choose a location to save the document to.



Export

Click “Export” in the “File” tab or the icon  You can save file in formats such as, Image, PPT, PDF, HTML.



Email

You can set an account in outlook first and email, current writing content as an

attachment (.INT,.PDf, .PPT)

Print

You can print any image or content displayed on the board at any time with a printer that is connected to the computer. Simply click print.

Print Part

Print rectangle of the slide, which can be determined by the user.

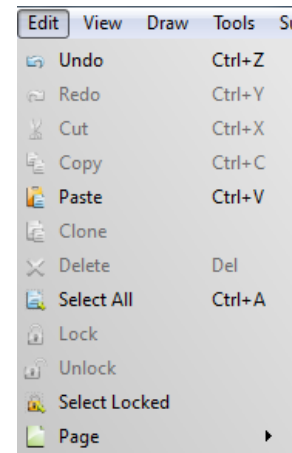
Print Preview

Preview and Make changes to page before printing.

Exit

Close software.

Edit



Undo

To undo the last action performed on the page.



Redo

To redo the last undo action.



Cut

To cut an object, you first need to have it selected and then click this button.



Copy

To copy an object, you first need to have it selected and then click this button.



Paste

To paste an object, you need to have it either previously copied or cut.



Clone

(copy + paste)

To clone selected object.

**Delete**

To delete selected object.

**Select All**

Select all objects on current page.

**Home**

To move the current page.

**Reset**

This option returns the current page to the last saved state .

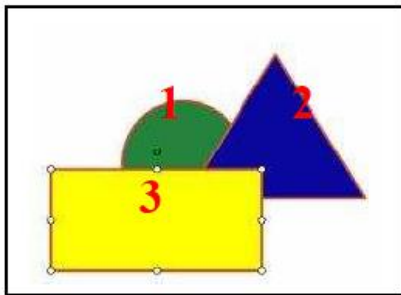
**Zoom in**

To zoom in page, select zoom in then click on the page.

**Zoom out**

To zoom out page, select zoom out then click on the page.

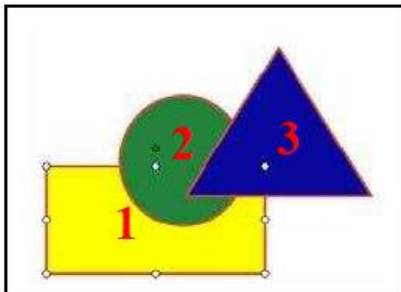
When a few pictures are piled up together, each picture takes up a different layer. select an picture, and click Top, Bottom, up one level, or Next level from the “Edit” or from the toolbar, then click any point on the page, the layer of picture or geometry shapes will change.



Current layer is as following:

Top - rectangle.

Between- triangle



Select the rectangle, and click “Bottom”.

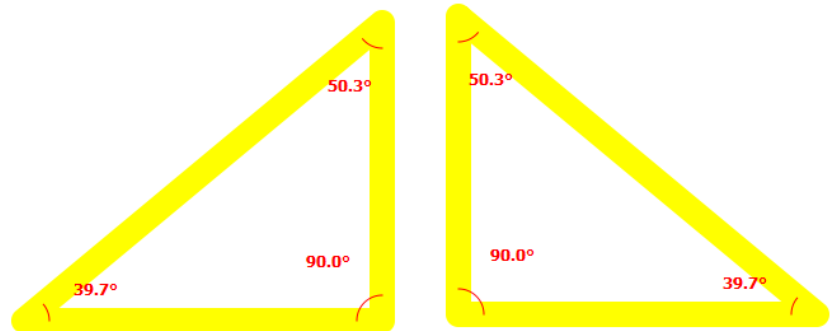
The new layer will become:

Top - triangle

Between - circle

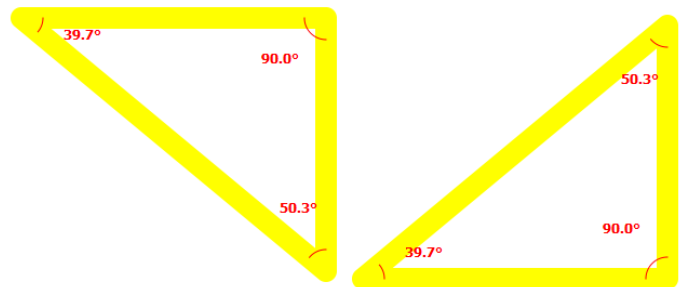
Horizontal mirror

You can use the Horizontal mirror feature to create a mirror image of the currently selected object. First select object and then click Edit - Horizontal mirror. Please note, this feature flips only the selected object.



Vertical mirror

You can use the Vertical mirror feature to create a mirror image of the currently selected object. First select object and then click Edit - Vertical mirror. Please note, this feature flips only the selected object.



Lock



This allows you to lock the position of an object on a page to prevent editing by mistake. Clicking the lock object button will lock the selected object in the position it is located on the page. An object cannot be moved when it is locked.

unlocked



The object is unlocked and can be moved around the page once more.

Select Locked

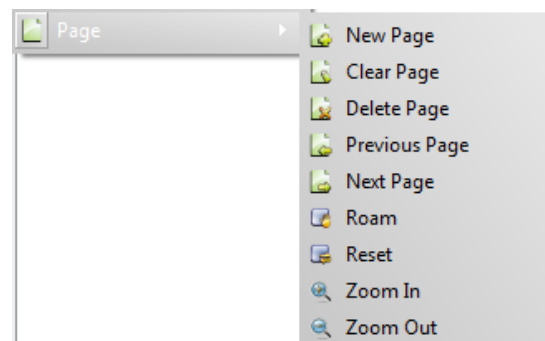


Select locked object

Page

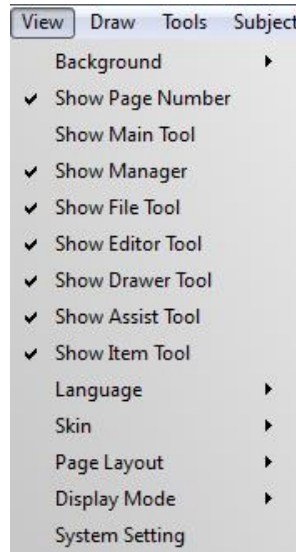


- New page: add new page.
- Delete page: delete current page.
- Clear page: clear all the content of the current page.
- Clone page: clone current page.
- Previous page: return to previous page



- Next page: progress to the next page.
- Zoom In
- Zoom Out

View



Background Color

To change background color and picture

Toolbar

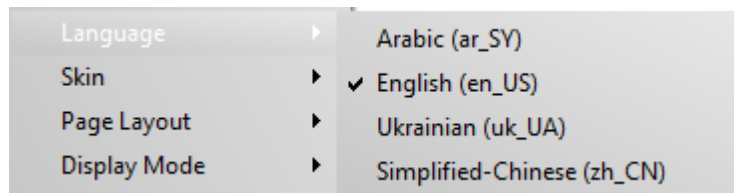
Show or hide toolbar (File toolbar, Playback toolbar, Tool toolbar, Edit toolbar).

In the tab “View”, we can select what toolbar to be shown or hidden by ticking on or ticking off.

By dragging the head of the main toolbar, we can move it to any position. If you close it, you can re-open it from View-Main Tool.

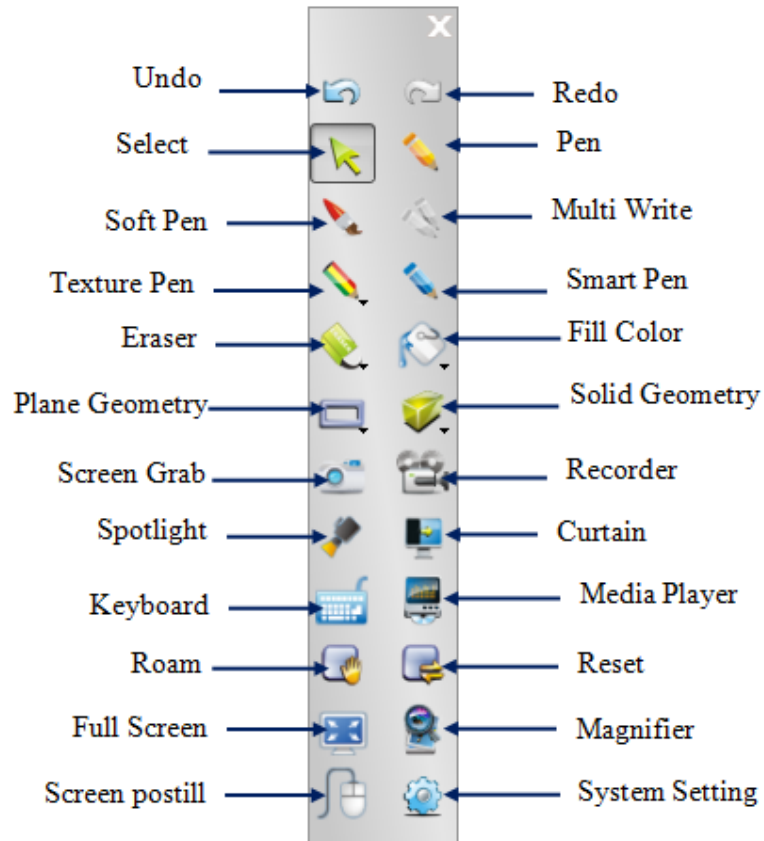
Language

To choose language click View – Language, then choose the language desired and restart the software.



Main Tool

To view or hide main toolbar.



Show Manage Widget

Show or hide Manage widget.

Skin

change the interface style.

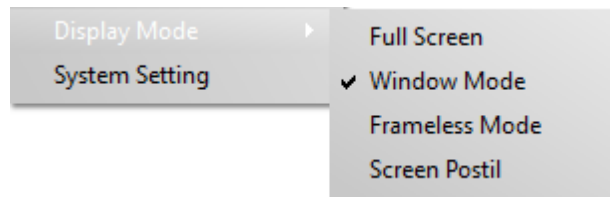
Page Layout

Single Page: View single page.

Double Page: View any two pages side by side



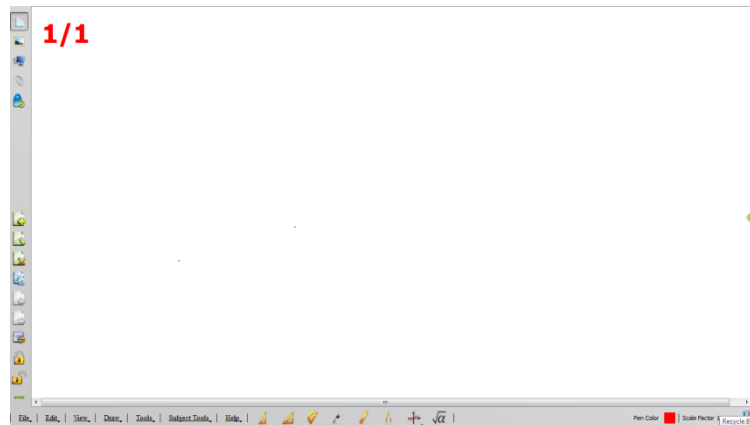
Display Mode



Full Screen: opens KALBOARD in full screen so you don't see other application menus.

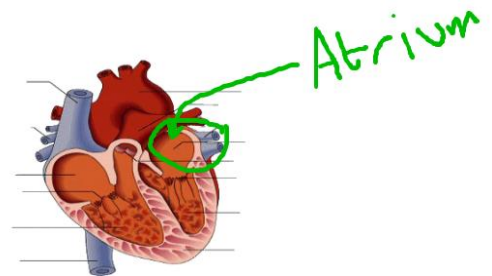
Window Mode: the default mode for editing.

Frameless Mode: open software without frame



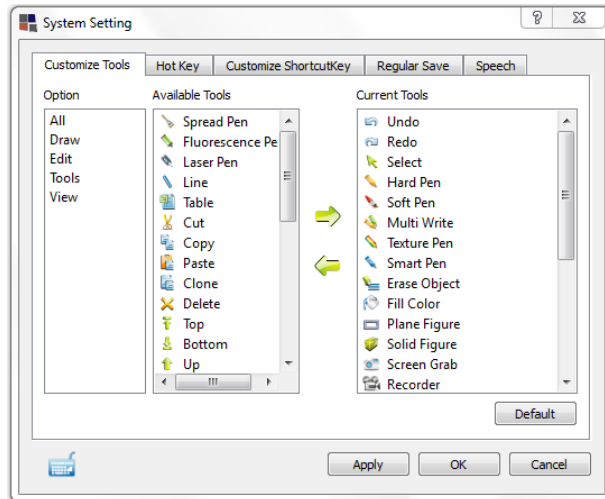
Screen Postil

Click the icon or click “Tool menu— “Screen Marker”. It allows you to place an annotation layer over the top of an application. One of the many important features of this software is to annotate on videos Microsoft Office files such as WORD, EXCEL, PPT., then you can click “office embed” to insert your / annotations handwriting into those files.

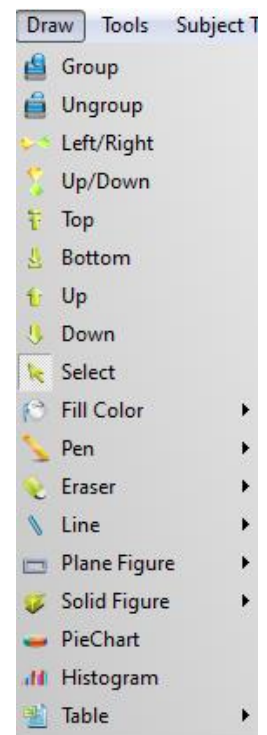


System Setting:

- Allows you to choose the default interface settings
- Custom Hotkey
- Regular Save
- Default voice and text to speech speed and volume



Draw



Select

To select an object, to be able to edit it indifferent ways according to its type.



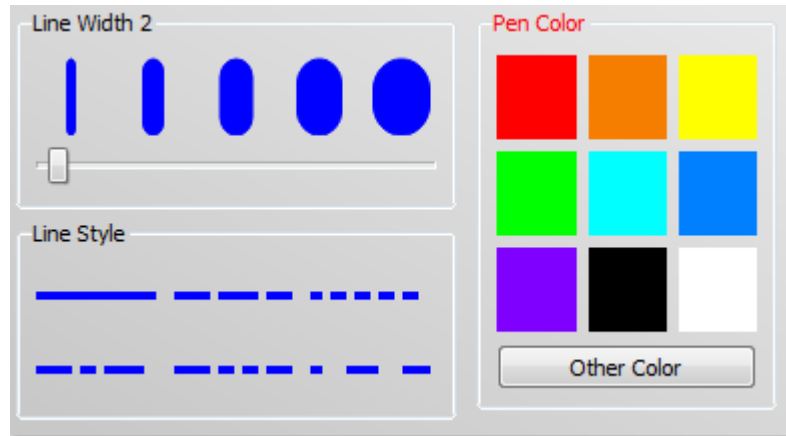
Pen and pen setting

Pen



You can draw and write freehand with Hard Pen.

To set (Pen width, line style, pen color)



Multi Write

It allows 4 users to write on the Board in parallel.



Spread Pen



You can use this tool as a brush for drawing.



Soft Pen



You can draw and write freehand

Fluorescent Pen

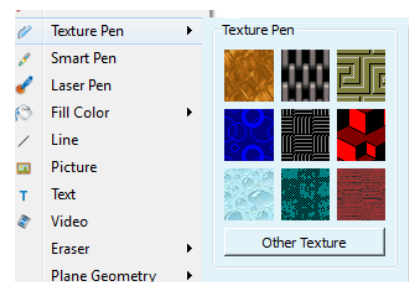


KALBOARD



It enables you to highlight any text or object on the page in different colors.

Texture Pen



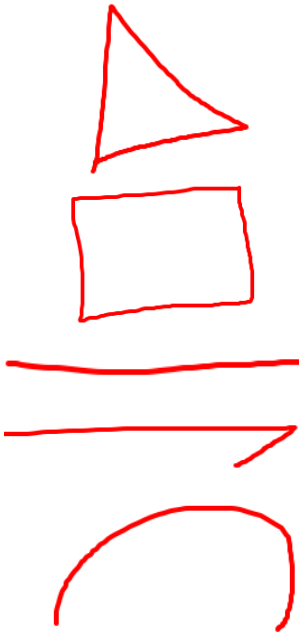
You can use the texture pen to draw and write on the page using a selected texture or image you choose instead of plain colors.



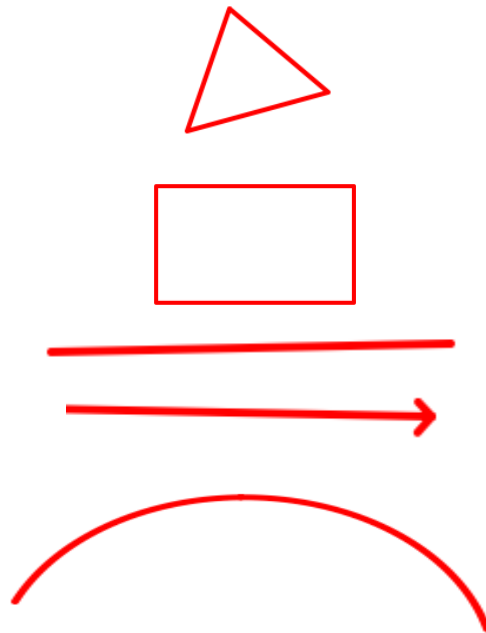
Smart Pen

The smart pen can identify simply hand drawn graphics (line , arc, traingle, rectangle, ellipse,...etc)

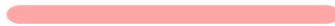
Handwritten Graphics



Identified Graphics



Laser Pen



You can use this tool to point to a specific context, text or picture on the page.



Fill Color

The fill tool allows you to fill shapes with different colors.

Line



You can draw the line by clicking and dragging on the page. The start of the line is created at the first click and the end of the line is where the mouse pointer is released.



Top

Sends the object to the top most layer.



Bottom

Sends the object to the bottommost layer.



Up

Sends the object one step forward.



Down

Sends the object one step backward.



Text

To insert text, Click “Text” icon and Drag on the whiteboard page, you will see the following input area and tool bar



There are two ways to insert text into the page:



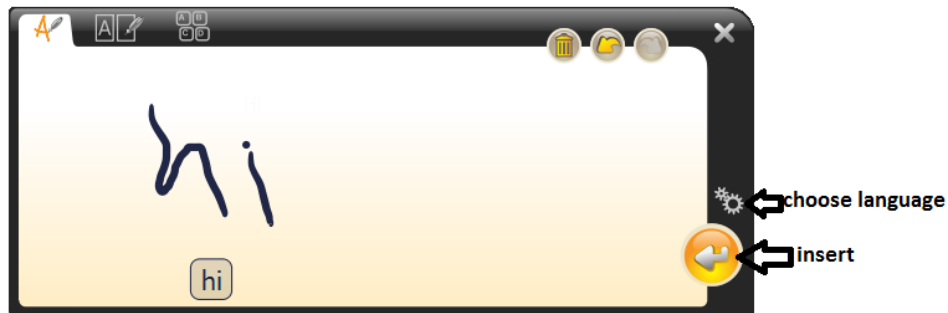
1- On-screen keyboard:

Tap on the letters to form your words and sentences.



2- Handwriting recognition

In the handwriting area, start writing with your finger in the box your writing will be converted to standard text. When you finish click insert.

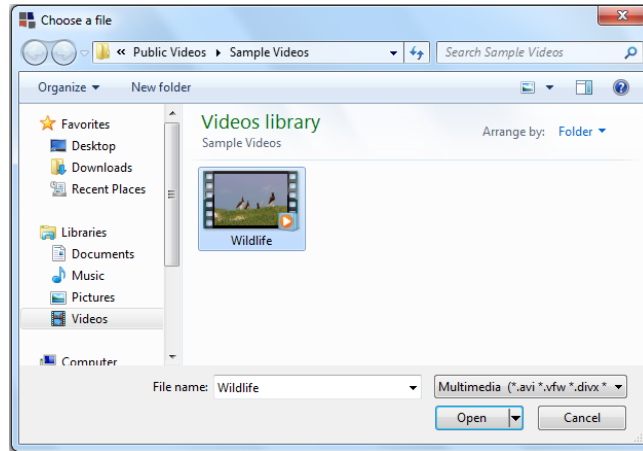


Text to speech

The text to speech functionality enables text on the page to be read by one of the voices installed in your operating system.

Video

To insert a video or movie, Click “video” icon, choose and open the video file,



Eraser

You have two type of erasers:

Eraser Object



Move the eraser to draw a circle to select and delete the circle content.



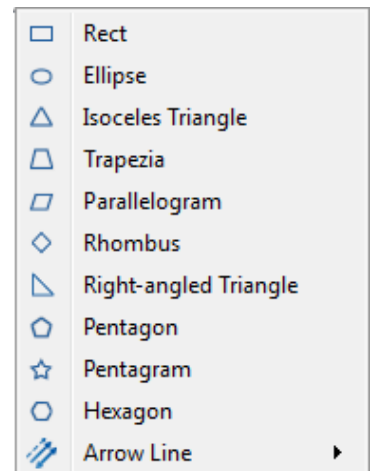
Eraser Point

Touch the icon, drag it through any point that you want to erase including any part of a picture.



Plane Geometry

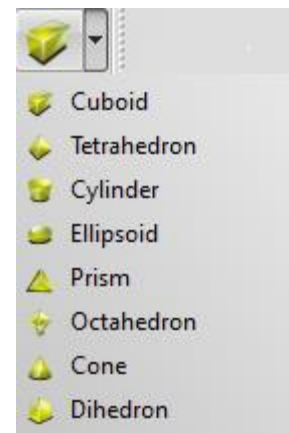
When you select one of the shapes, you can draw the shape by clicking and dragging on the page. You can always resize the shape drawn at any time.



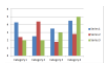


Solid Geometry

When you select one of the shapes, You can draw the shape by clicking and dragging on the page. You can always resize the shape drawn at any time.

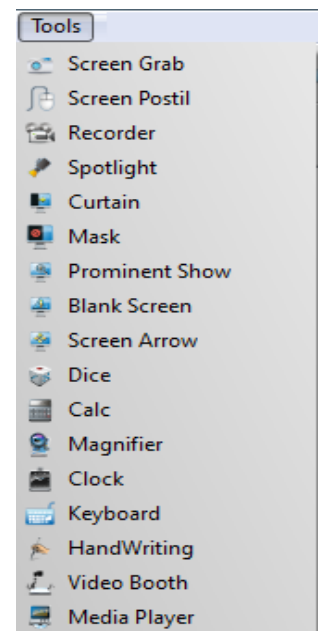
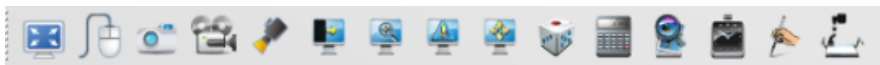


Pie chart



Histogram

Tools

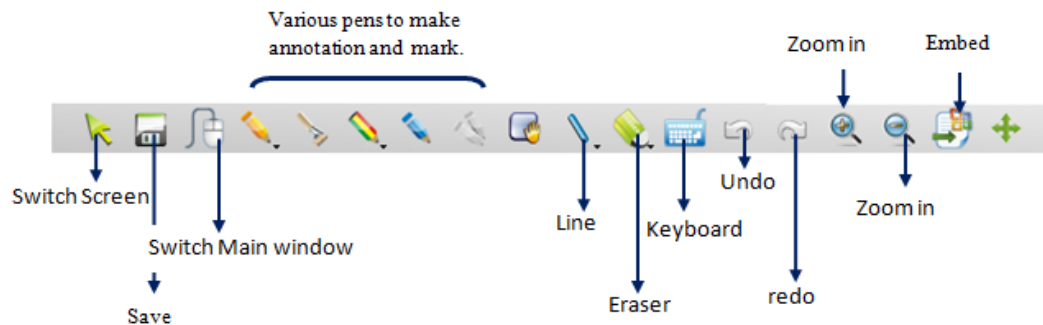
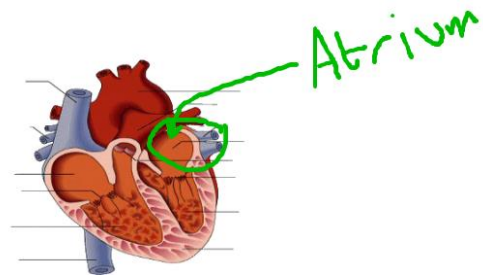


Full Screen: opens KALBOARD in full screen so you don't see other application menus.



Screen Postit

Click the icon or click “Tool menu— “ Screen Marker”. It allows you to place an annotation layer over the top of an application. One of the many important features of this software is to annotate on videos Microsoft Office files such as WORD, EXCEL, PPT., then you can click “office embed” to insert your / annotations handwriting into those files.



Screen Grab

you can find “Screen Grab” under “Tools”, or click the icon.

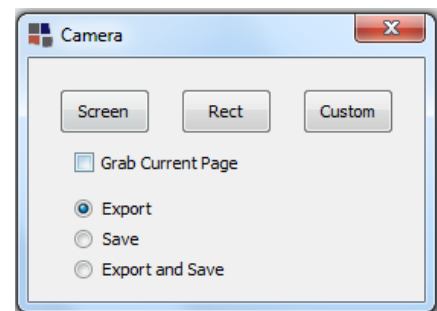
ScreenGrab(capture) is like a camera, you can use it to capture an image of the current screen. It gives you three option for capturing:

Screen: Captures the whole screen.

Rect: Draw an rectangle around the area you want to capture.

Custom: Free draw the area you want to capture.

In addition to inserting the image to the page, you can export , save or do both for later use. After the capture is taken , drag on the page, and then the captured picture will show.




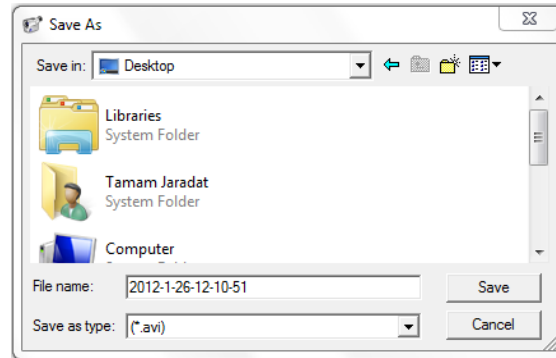
Record


you can use this tool to record what happens on your screen, which enable the audience to review what was said or written during the meeting.

Click Tools - Screen Record or the icon.



Click  to start recording , and you can choose the location to save it.



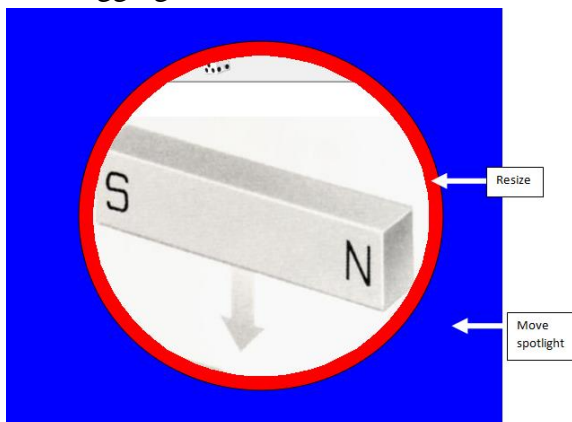
you will see this button  which informs you that the recording starts. Click on the button when you finish.



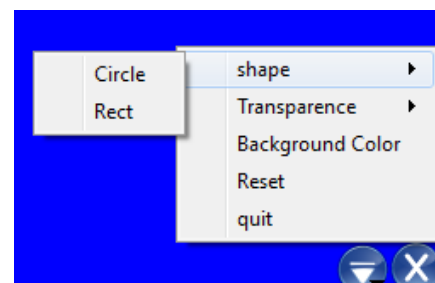
Spotlight

Spotlight allows you to focus on specific areas of the screen, it will draw the attention of your audience to focus on particular contents on the whiteboard.

Click the icon or click “Tool menu—Spotlight” you can move the spotlight by clicking and dragging on the darkened area.



Hold on the dark screen for two seconds or click the menu on the right bottom of the whiteboard for pop-up menu. Set the attributes through the

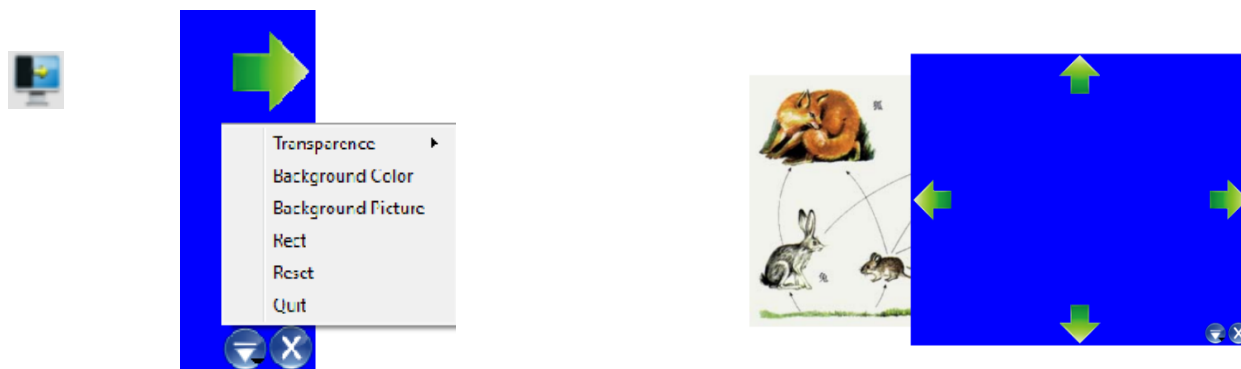


pop-up menu and sub-menus.

Curtain

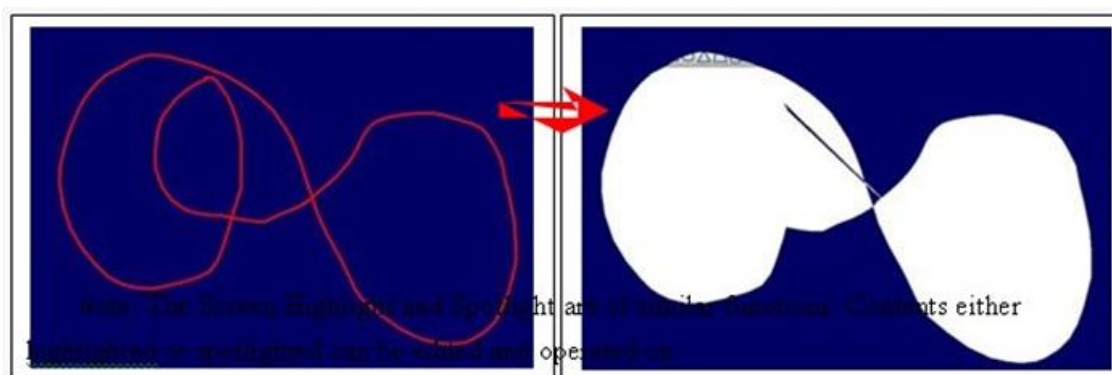
The curtain will cover the whole page with its contents, and your audience will be eager to know what's behind it while you drag it and reveal the page from the four corner.

Click the icon or click “tool menu— Curtain”, drag on the whiteboard page, then the cover will appear with four arrows as illustrated below :



Prominent Show

Click the icon or click “Tool menu— “Prominent Show”, to cover the present screen first. Then use your finger / mouse to circle the area that you want to highlight. The highlighted area will be displayed as illustrated below:



Blank Screen

It enables you to hide the contents of a page then reveal by moving blank screen.



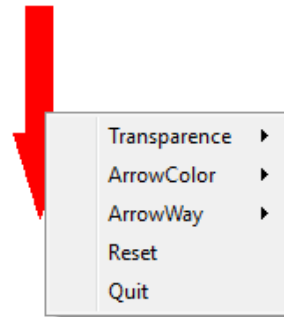
Screen Arrow

On many occasions, teachers will walk down from the platform to interact with students.

The screen arrow can be used to identify the main points or the on-going contents. In this way, every student can easily follow up with the class, and teachers can avoid influence of any exterior interference on the teaching quality and schedule.



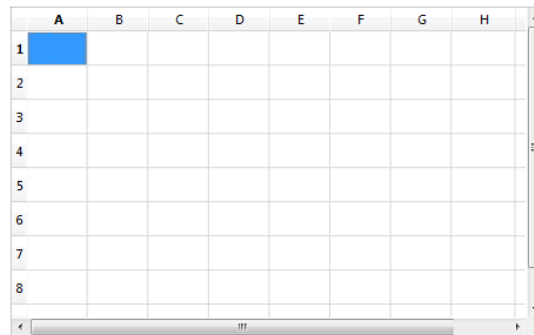
Select Screen Arrow through “Tools-Screen arrow”, or click icon you will see a red arrow in the middle of the screen. Drag the head part of the arrow to change its direction or position. Click the right button of the mouse or hold your finger on the arrow for two seconds to activate its setting menu to change its attributes or to exit.



Insert Table

Click “Tool menu— “ Insert Table”.

You can draw the table by clicking and dragging on the page.



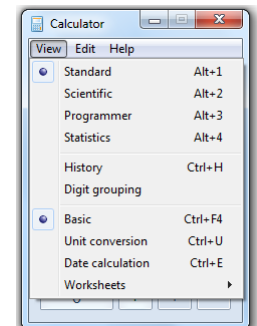
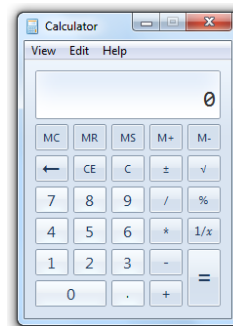
Special Tools

Calculator, Magnifier, Clock, Screen Keyboard, Dice



Calculator

Select Calculator through” Tools-Special Tool-Calculator” or click icon, then the calculator will appear, just use your finger to click the calculator on the screen. You can use the Calculator to perform simple calculations such as addition, subtraction, multiplication, and division. Calculator also offers the advanced capabilities of a programming, scientific, and statistical calculator.





Magnifier

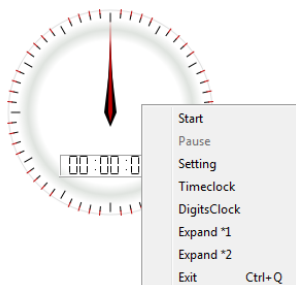
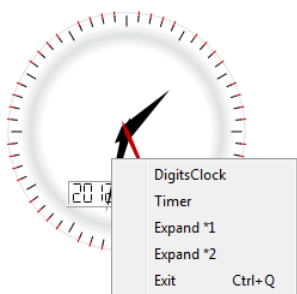
Use the Magnifier function to enlarge the parts of the screen easily, just select “Tools-Special Tools-Magnifier” or click icon to directly activate magnifier window, the parts centered around the cursor can be enlarged in adjustable proportion.



Clock

Select Clock through” Tools-Special Tools- Clock ” or click icon.

The Clock shows the time of the system, can be used to count down and count time. The clock window can be moved to any location ,and its perporteries can be adjusted through the settings.



Timer



Digital clock



Keyboard

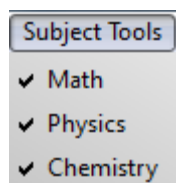
This option opens the on-screen keyboard that comes with your operating system.



Dice

The Dice, ideal for use during game play. Click on the dice and the dice will be shaken.

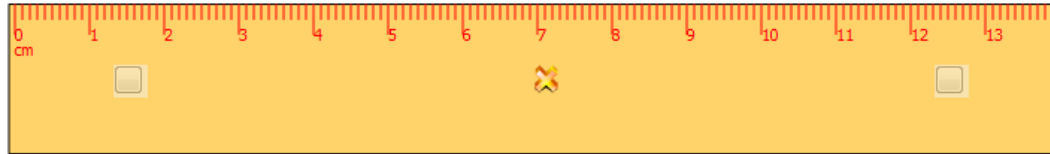
Subject tools



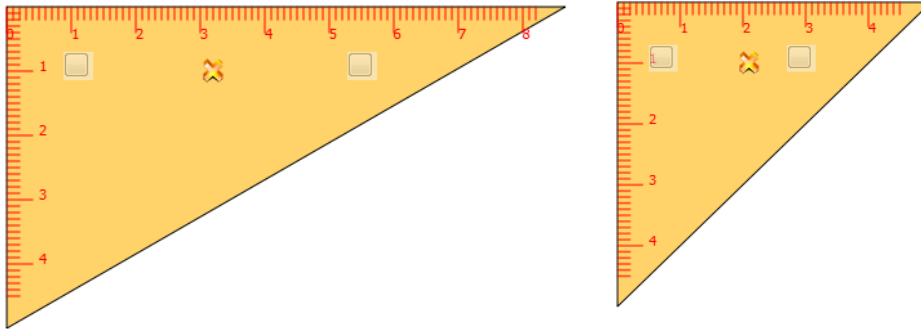
Math Tools

Ruler

This is a 13 centimeters / 6 inch ruler that can be laid over items on the page in order to measure them.

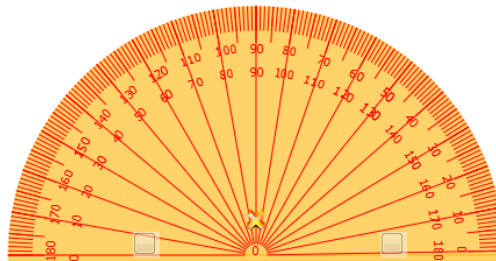


Set Square

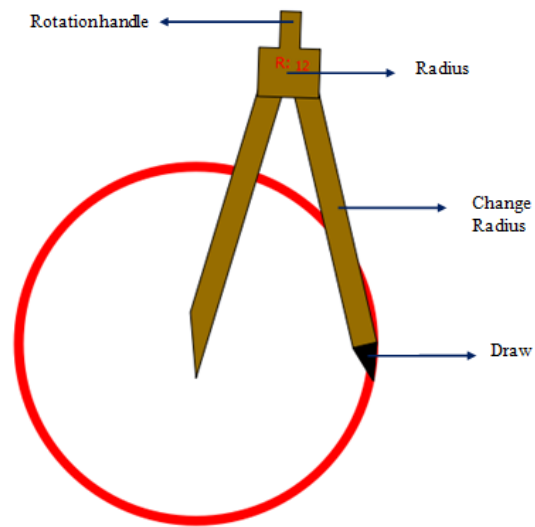


Protractor

This is a 180° protractor that can be laid over items on the page to measure their angles.

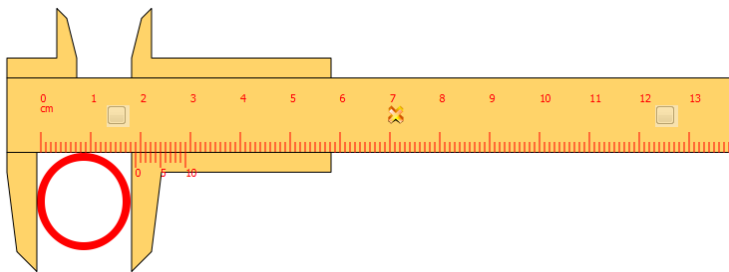


Compasses



Caliper

The caliper widget is used for measuring distance/lengths of objects.



Physics Tools



Chemistry Tools



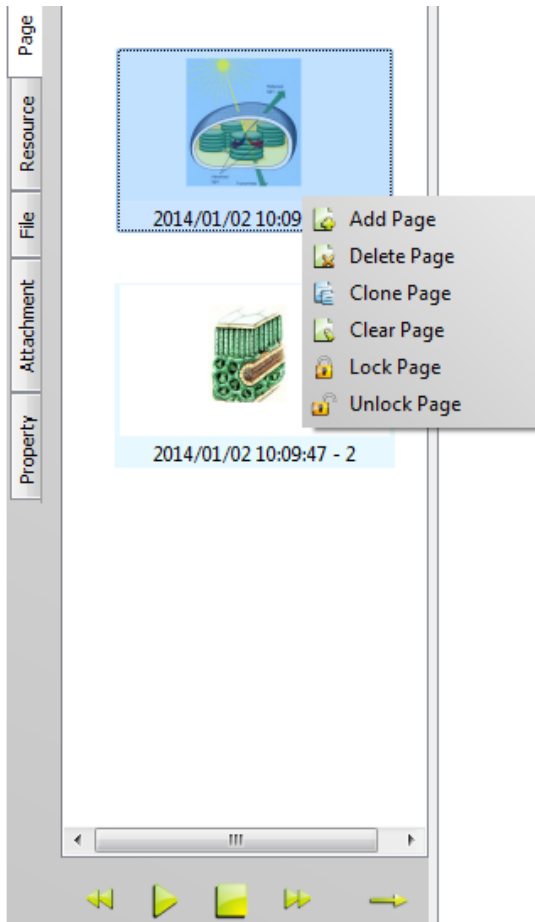
Help

Should you have any questions on how to use the software, please click Help on the Toolbar for the help file.

Manage Widget

Page view

Right click on the page you want to delete, add, clone, clear, lock or unlock.



Play Back



The whole operating process on the board can be redisplayed by the following buttons:

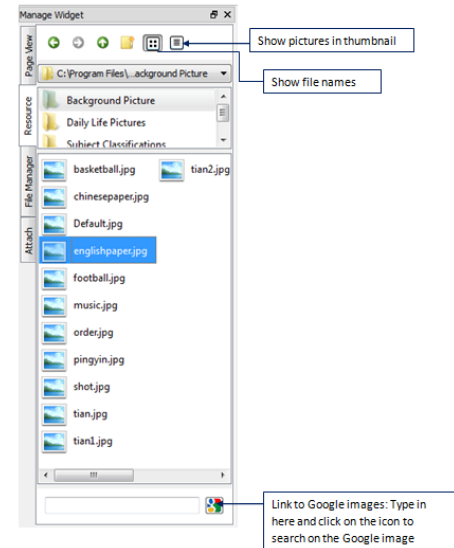
Play and stop



When you click “Play”, you will see the following controlling bar
Speed up/ down : Adjust the speed of playing to faster or slower.

Resource

The software offers a picture resource, in which there are hundreds of images categorized to different subjects. To Import images from the resource bank, click Resource at Manage Widget, select a picture, drag and drop on to the software page directly.



How to show, hide and move the toolbar

In the “View” tab, you can select which toolbar to be shown or hidden by ticking it on or off.

We can move the toolbar to any position, by dragging the hand side of the toolbar.



dotted line on the left

Multi-Touch

You can use Multi-Touch function to resize any object on the page. Using both fingers drag the corners of the object to set the size you want.

