iBoardTouch

IWBPro

User Manual

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IWBPro Version 1.5.01

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1 Introduction

1.1 About IWBPro

iBoardTouch IWBPro is a teaching and presentational software package for use in classrooms, meeting rooms.

IWBPro replaces the old IWB application.

IWBPro offers the following enhancements over IWB:

- Open SMART Notebook (including Gallery Items and Collections) files with all features intact (not just an image of a page)
- Promethean support will also be added
- Updated Modern UI, but with the option to use the Classic mode UI (similar to old IWB).
- Import greater range of media files
- Import Word/Excel/Powerpoint/PDF documents without requiring MS Office to be installed
- Text to Speech and Speech to Text

IWBPro is a multimedia interactive teaching system and also can be used to make courseware and lesson plans.

Although IWBPro is sold with the iBoardTouch manufactured touch screens, the software will work on any PC, laptop (Windows 7), and is also available on Mac.

When IWBPro is used on a computer with touch screen capabilities the combination of technologies makes for a powerful, natural way to write, draw, present, etc.

On PCs without touch capabilities IWBPro can be operated with a mouse instead.

IWBPro has built-in features for graphs, stencils, backgrounds, images and templates.

This guide covers the features with instructions on how to use them and get the best out of the application.

1.2 Classic & Modern Modes

The application can be run in one of two modes - Classic or Modern. The underlying functions are largely the same, but to enable users of the old IWB to migrate to the new IWBPro without requiring re-training the Classic Mode was added.

Classic Mode is enabled by default.

The table below shows the two modes side-by-side:

Classic Mode

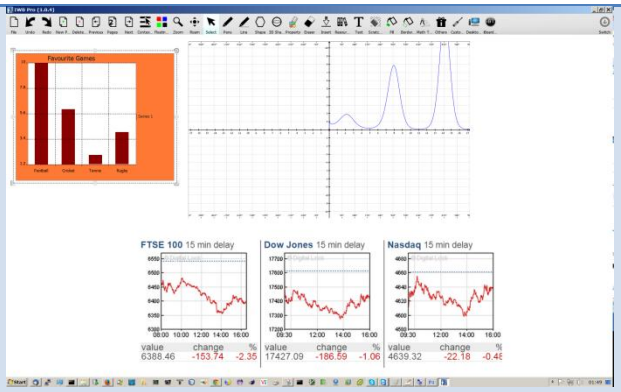


Figure 1-1

Modern Mode

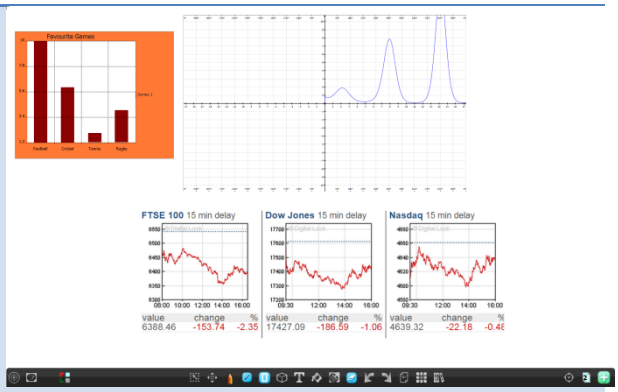


Figure 1-2

This user guide covers both modes but does so separately, with a section for Classic Mode, and one for the Modern mode.

2 Installation & Registration

2.1 Download

The latest version of IWBPro is available from :

http://apps.iboardtouch.co.uk/downloads.html

2.2 System Requirements

The minimum system requirements in order to run IWBPro are listed below:

Property	Value
Windows Version	Windows 7 Professional
CPU	Intel i3 Quad Core (or equivalent)
Memory	1Gb
Free Disk Space	1Gb
Resolution	1024 x 768 16 bit colour
Internet Connection	Required for registration & validation
.Net Framework Version	4.0
Microsoft Runtimes	Microsoft Visual C++ 2010 Redistributable Package (x86) (32-bit). http://www.microsoft.com/en-us/download/details.aspx?id=5555

Figure 2-1

2.3 Installation

2.3.1 Admin Privileges

It is recommended that the software (and updates) be installed as a user with Admin Rights on the PC. Once installed, any user can run the software. When running the installer or uninstall, if Windows User Access Control (UAC) is enabled a warning pop-up will appear asking for confirmation. Click "Yes" to continue.

2.3.2 Start The Installation

The software is installed by running the downloaded Install_IWBPro.exe file.

It can be run interactively by double-clicking it, or it can be run silently - see Silent Installations further down.

The following screens will appear in sequence:

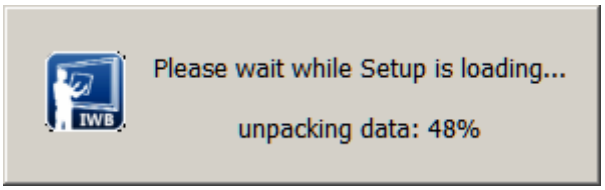


Figure 2-2

Choose the Destination Folder, click Install and the installation process commences:

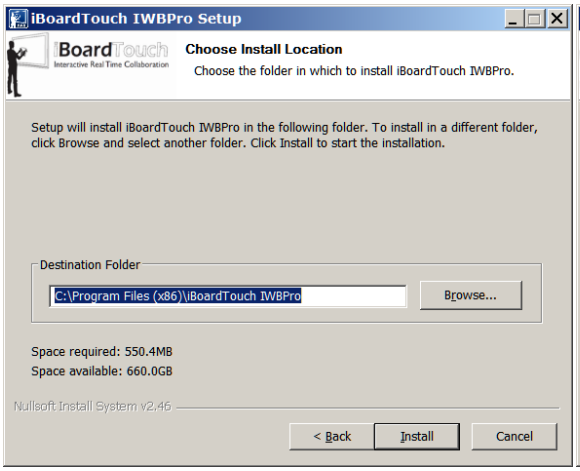


Figure 2-3

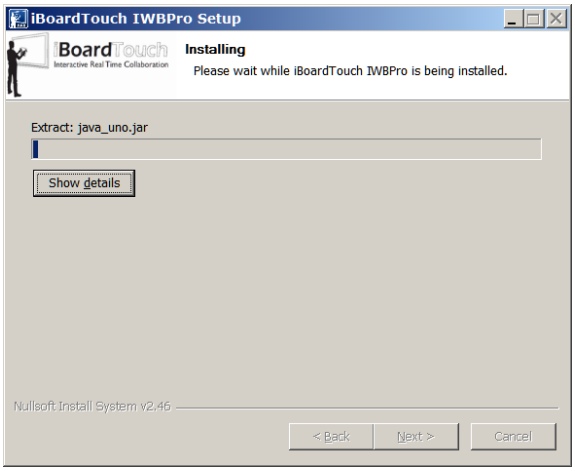


Figure 2-4

Installation takes no more than a 1-2 minutes. On completion the following screen appears. Click Finish.

Figure 2-5

2.3.3 Silent Installs

IWBPro has a silent install option, which means it can be run non-interactively, to make it easier to deploy to multiple PCs. The command to run a silent install is as follows:

```
Install_IWBPro.exe /S /D="C:\Program Files (x86)\iBoardTouch IWBPro"
```

2.4 Registration

By default the software allows up to 30 usage attempts before it forces registration.

2.4.1 Serial Key

Registration requires a serial key. This key is obtained by raising a ticket at :

http://apps.iboardtouch.co.uk/ibtticket

2.4.2 Registration Screen

Registration can also be manually initiated by selecting the "iBT" menu item and then "System Settings". If the "iBT" is not visible, but there is a folder icon with the label "More..." click that to reveal additional options:

Classic Mode	Modern Mode

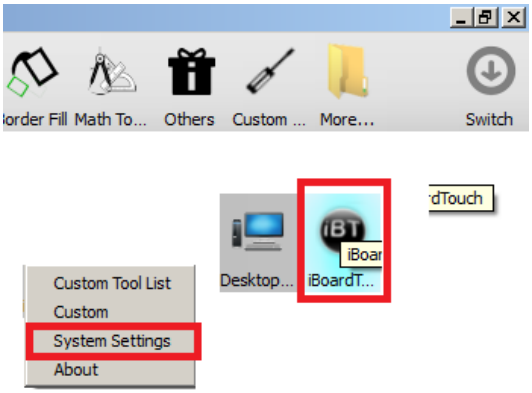


Figure 2-6

Figure 2-7

The Settings dialogue appears, then click the "Register" button:

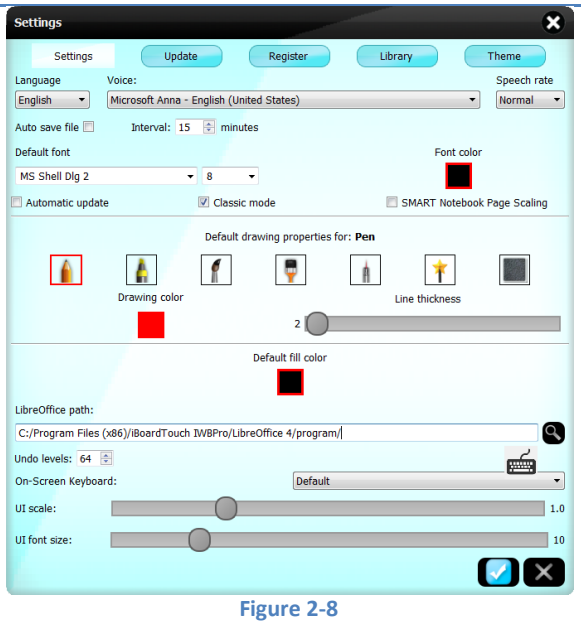


Figure 2-8

Figure 2-9

Enter the details then click the "Register" button to submit the details.

2.5 Un-Installing IWBPro

There are 3 methods for removing/un-installing IWBPro:

- Run the uninst.exe program directly from "C:\Program Files (x86)\iBoardTouch IWBPro\uninstall.exe".
- Run the uninst.exe program via the "Uninstall" start menu item under "iBoardTouch IWB" program group
- Use the "Program & Features" option in "Control Panel"

All these options should be performed user Admin privileges.

2.5.1 Running uninstall.exe Directly

Open Windows Explorer.

Navigate to “C:\Program Files (x86)\iBoardTouch IWBPro ".

Locate the “uninstall.exe " file.

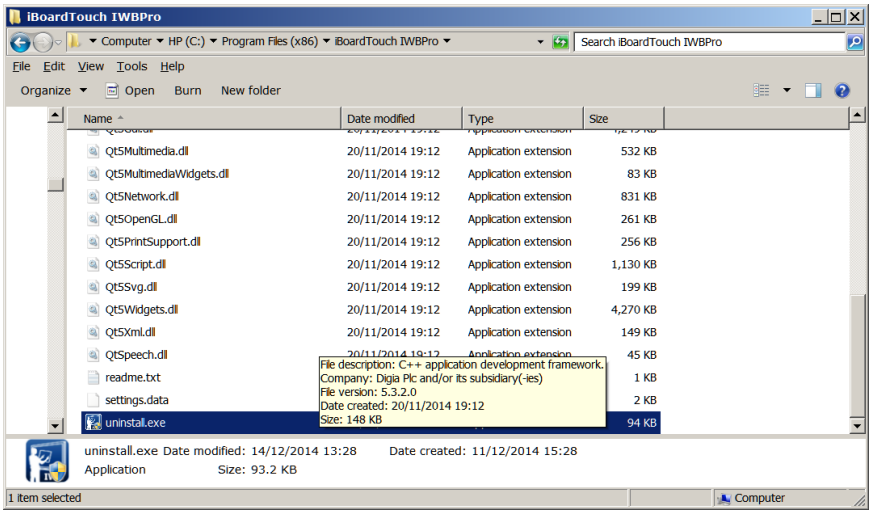


Figure 2-10

Double-click uninstall.exe.

The confirmation message appears, and then click "Next" on each window that appears. The final one that says "Finish" signals the uninstall is complete.

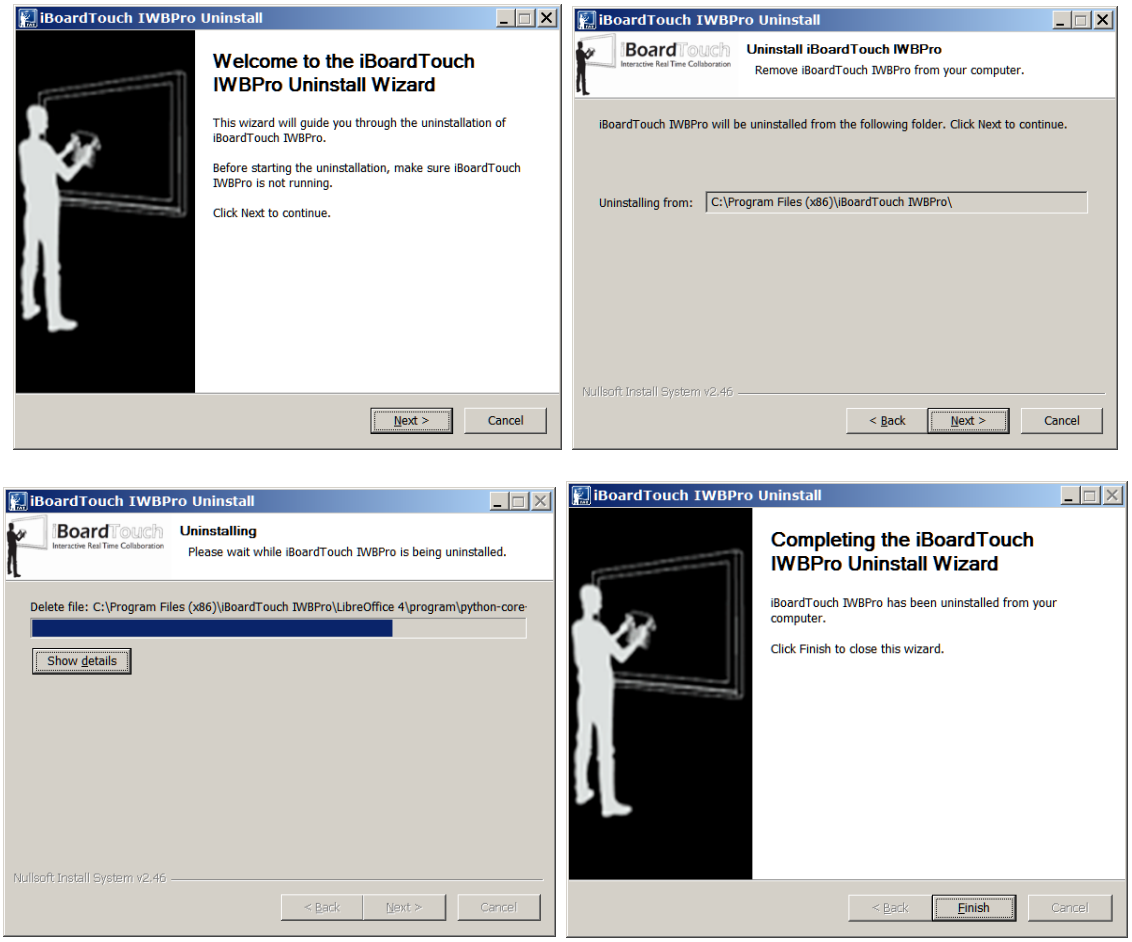


Figure 2-11

2.5.2 Uninstall From Program Group

Click the "Start" menu, "All Programs" then locate "iBoardTouch IWBPro" and click.

Click on the "Uninstall" item:

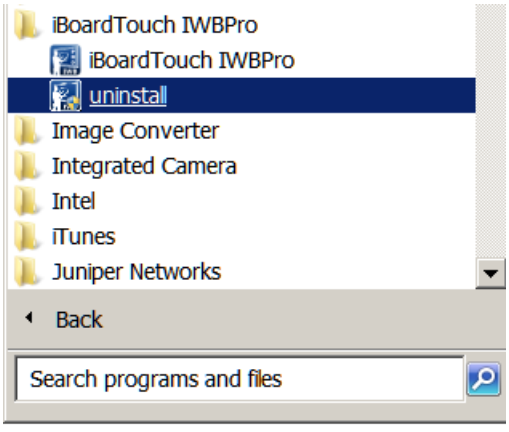


Figure 2-12

The uninstall will start as with the previous method outlined.

2.5.3 Un-install Using Control Panel

Start the Control Panel and select "Programs and Features".

Select the "iBoardTouch IWBPro" item and click "Uninstall".

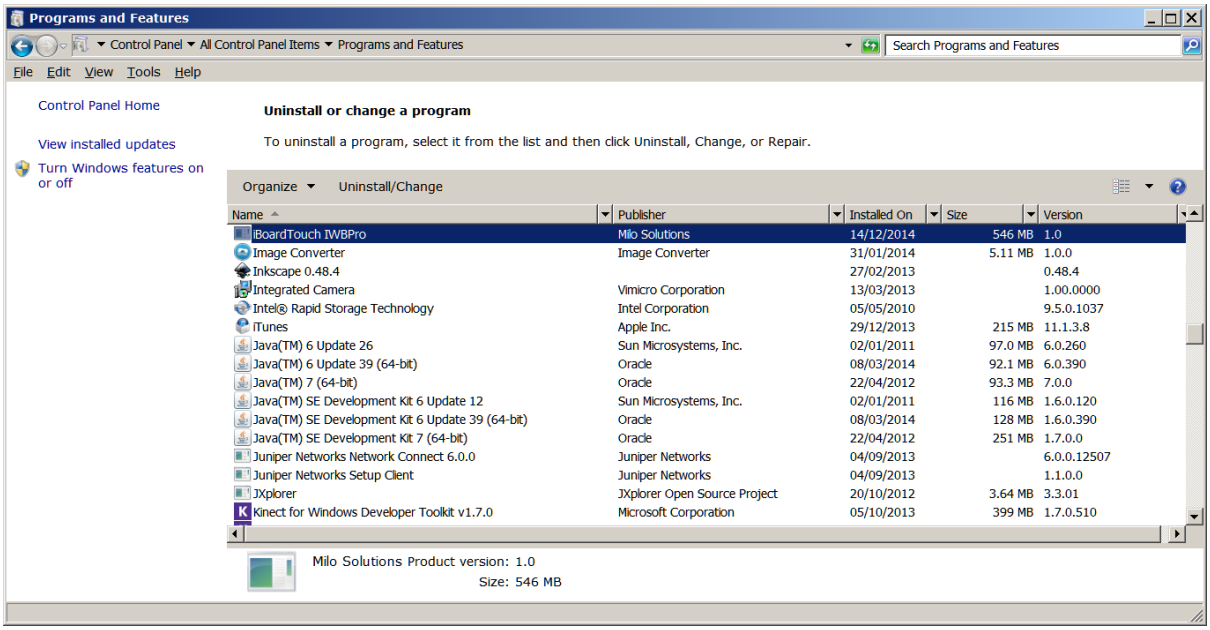


Figure 2-13

The uninstall will start and run as described with the previous method.

3 Operation (Classic Mode)

In the section the Classic Mode of IWB is described.

The Modern mode is described in section "11 Modern Mode ".

Start the application by double-clicking the IWBPro icon.

Figure 3-1

3.1 Interface

The basic Classic Mode interface shows a blank page, and toolbars for selecting the required function:

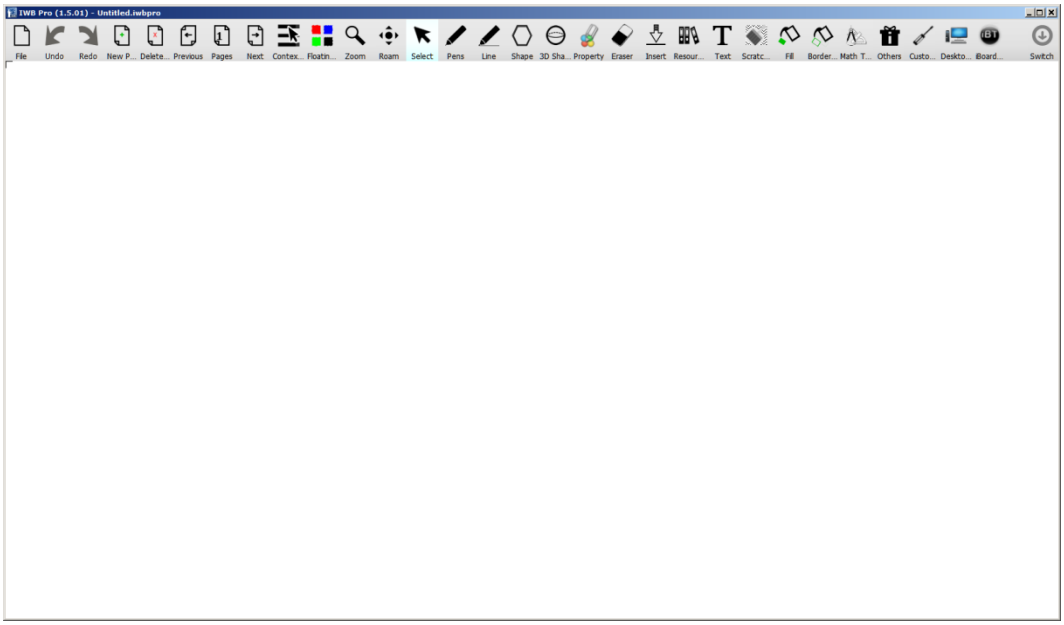


Figure 3-2

3.1.1 Toolbars

The top toolbar icons and the function they provide are listed below:

Icon	Label	Functions
	File	Document Management (New, Save, ...)
	Undo	Undo the last change
	Redo	Redo the change that was Undone ("undo the undo")
	New Page	Add a new page to the document

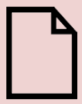
Icon	Label	Functions
	Delete Page	Delete the current page
	Previous Page	Show the previous page
	Next Page	Show the next page
	Context Menu	Offers the following options: Cut, Copy, Paste, Delete, Group, Arrange, Aligh, Select All
	Common Tools	A selection of common tools on a floating toolbar for easy access
	Zoom	Offers Zoom In, Zoom Out, and Magnifying Glass.
	Roam	"Pan" mode for easy click and scroll around the current page
	Select	Default mouse mode - select, click objects and functions
	Pens	Choose pen style
	Lines	Choose line style
	2D shapes	Choose shapes like rectangle, circle, etc
	3D shapes	Choose shapes like cube, sphere, etc
	Property	Choose pen/object colour, size, transparency
	Eraser	Select erase type
	Inserts	Insert external file objects (Images, Video, etc)
	Resources	Drag and Drop from Resource Bank or folders
	Text	Add text/handwriting
	Scratchpad	Add scratchpad over page objects to hide them.
	Fill	Fill object with chosen colour

Icon	Label	Functions
	Border	Change object border colour
	Maths Tool	Choose compass, protractor, set squares, etc
	Others	Choose presentation tools e.g. Curtain, Screenshot, Visualiser, etc
	Custom Tools	Choose from a list of Custom added external applications
	Desktop Mode	Switch to Desktop Mode
	iBoardTouch	Access Help, About, Settings, Custom Tools options
	More	When the screen resolution is smaller than normal and there is not enough space to fit all the items on the toolbar, the right most icons are grouped under this icon.
	Top/Bottom	Switch Toolbar Position

Figure 3-3

3.1.2 File Menu Item

The list below shows the File Menu options. See the "4 Document Management Functions" section for details.

Icon	Label	Functions
	New	Create a new document
	Open File	Open another document
	Export	Export current page as an image
	Import	Import Office (Word, Excel, Powerpoint) or PDF document
	Save File	Save current document

Icon	Label	Functions
	Save As	Save current document as a different file
	Save PDF	Saves the document in PDF format
	Save Image	Saves the document in a variety of image formats
	Save as PPTX	Saves the document in a MS Powerpoint format
	Print Current	Print current page
	Print	Print whole document

Figure 3-4

3.1.3 Pens Menu Item

Icon	Label	Functions
	Pencil	Freehand uniform style, thinkness pencil
	Magic Pen	Converts an approximate freehand drawn shape to a neat straight line polygon or circle/ellipse.
	Point to Point	Draw joined with straight lines between points
	Highlighter	Highlighter (transparent marker)
	Soft Brush	Brush like pen - varying angular thickness
	Calligraphy	Calligraphic style strokes

Figure 3-5

3.1.3.1 Pen Properties

After selecting a pen, the properties of the pen can be set by clicking the "Property" icon:

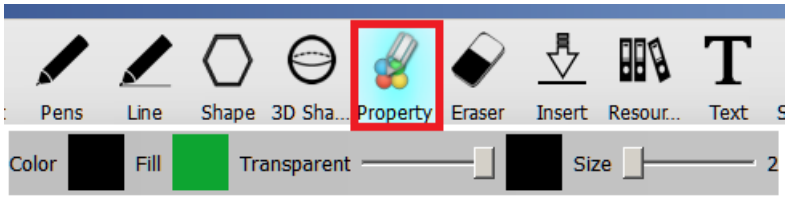


Figure 3-6

The sub-toolbar allows the colour, transparency and size of the pen stroke to be set..

Click on the Coloured square next to the "Color" label to show the Colour Pallete and choose the pen stroke colour:

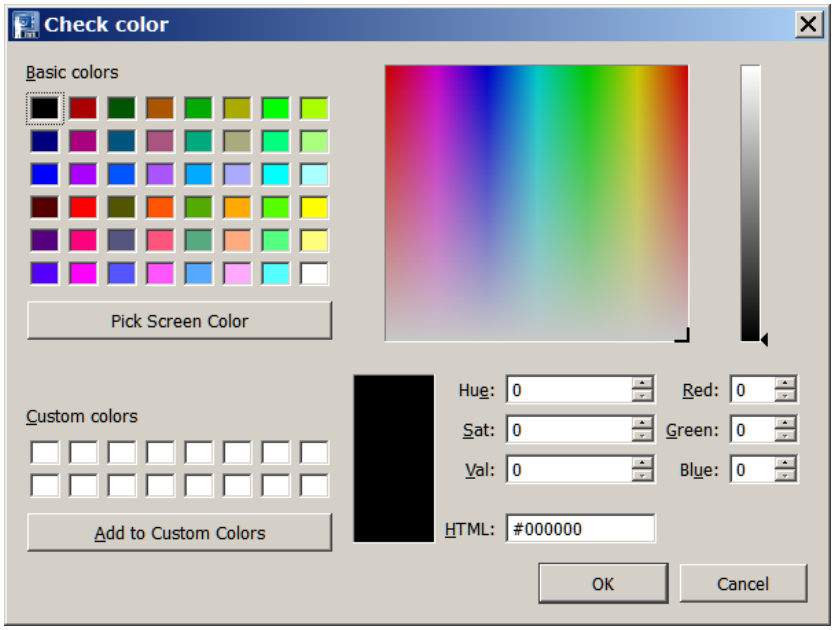


Figure 3-7

Click "OK" to set the chosen colour.

The "Fill" property applies to 2D and 3D objects, not to pens and lines.

The "Transparency" slider is used to set the transparency of the pen stroke; the further it is the to the right the more opaque it is, the further to left the more transparent.

3.1.4 Lines Menu Item

Selecting the Line tool from the toolbar open the following line selection:

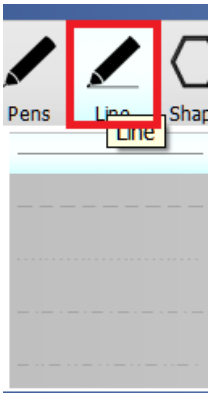


Figure 3-8

The following line types are available:

Icon	Functions
	Solid line
	Dashed line
	Dotted line
	Dash-dot line
	Dash dot-dot line

Figure 3-9

3.1.4.1 Line Properties

The properties of the chosen line can be set using the "Property" toolbar item (as with Pens).

The example below shows a dashed line and how the properties of "Color", "Transparency" and "Size" influence the appearance when it is drawn:

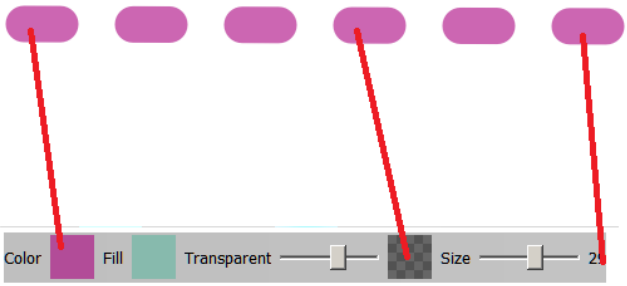


Figure 3-10

3.1.5 Erasers Menu Item

Selecting the Eraser tool from the toolbar open the following eraser toolset:

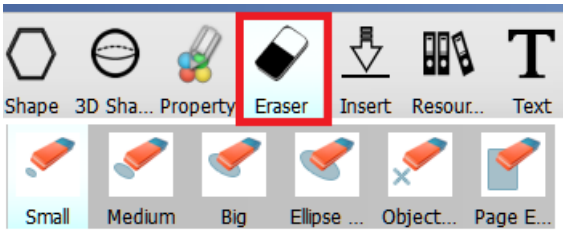


Figure 3-11

Each of these is described below:

Icon	Label	Functions
	Small	Small sized eraser for pencil drawn objects
	Medium	Medium sized eraser for pencil drawn objects
	Big	Large sized eraser for pencil drawn objects
	Ellipse	Erasers complete pen stroke with any portion within the eraser area
	Object	Erasers complete pen stroke touched by the eraser
	Page	Clears the entire page

Figure 3-12

3.1.6 One Touch Common Items Floating Toolbar

A new feature in IWBPro is the One Touch Common Items floating toolbar, which is designed to allow for easy switching between some common items.

The toolbar is activated via the highlighted icon:

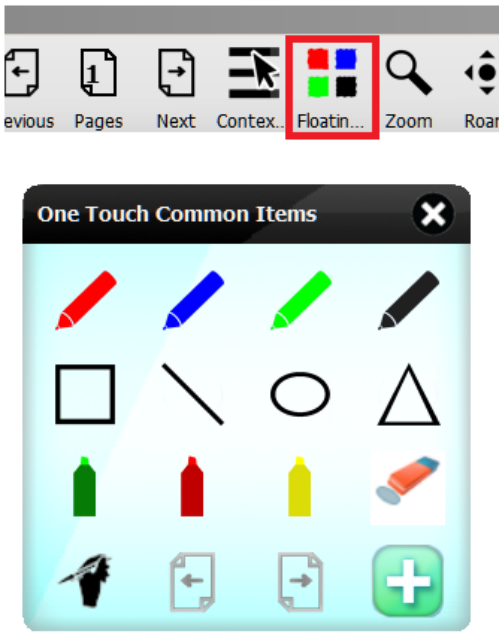


Figure 3-13

Each of the available items is described below:

Icon	Functions
	Red Pen
	Blue Pen
	Green Pen
	Black Pen
	Rectangle shape
	Line tool
	Ellipse tool
	Triangle tool
	Green Highlighter
	Red Highlighter
	Yellow Highlighter
	Medium eraser
	Handwriting to text recognition tool

Icon	Functions
	Previous page
	Next page
	Add page

Figure 3-14

To dismiss the Common Items toolbar, click the close icon on the right corner:

Figure 3-15

3.1.7 Zoom Menu Item

Selecting the Zoom menu item from the toolbar opens the following zoom toolset:

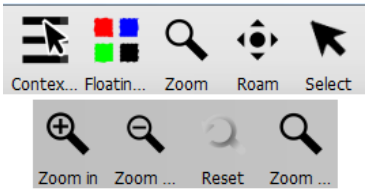


Figure 3-16

Each of these is described below:

Icon	Label	Functions
	Zoom In	Small sized eraser for pencil drawn objects
	Zoom Out	Medium sized eraser for pencil drawn objects
	Reset	Resets the zoom to the original scale, and re-centres the page to the original position
	Magnifier	Opens the magnifier tool

Figure 3-17

3.1.7.1 Magnifier Zoom Tool

The magnifier zoom tool overlays a magnifier over the current page as below:

Figure 3-18

The highlighted circular area can be moved (mouse or touch) to other areas of the page.

To adjust the zoom level click the settings icon to reveal the slider control:

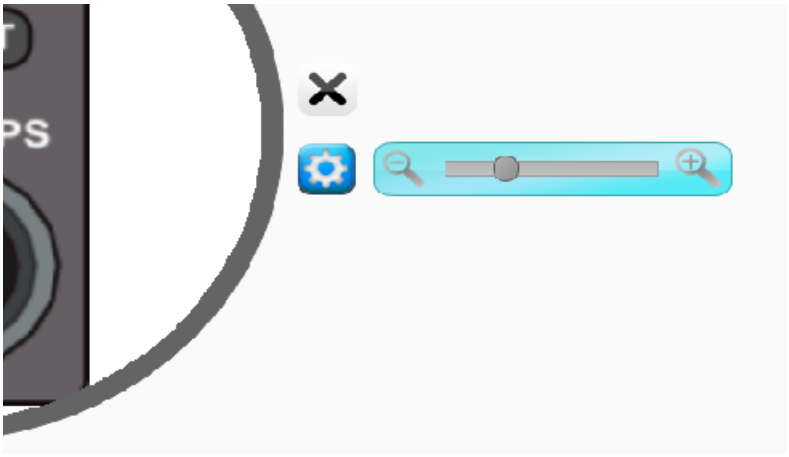


Figure 3-19

Close this tool by clicking the icon.

3.1.8 2D Shapes Menu Item

In IWBPro access to shapes such as rectangles etc has been simplified by making these available on the main toolbar.

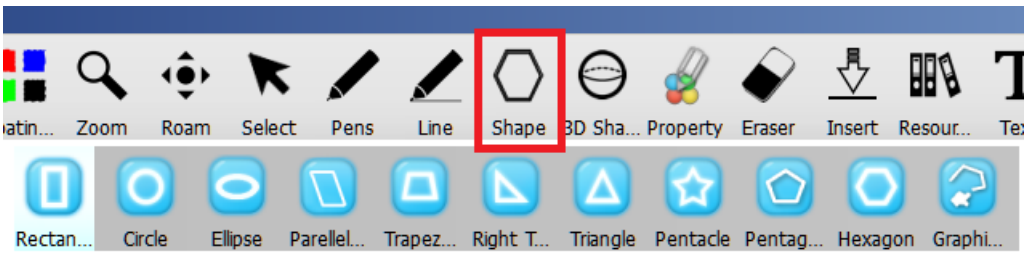


Figure 3-20

The available icons and associated shapes are listed below.

Icon	Functions
	Draw rectangle/squares
	Draw circle
	Draw ellipse
	Draw parallelogram
	Draw trapezoidal
	Draw right-angled triangle
	Draw isosceles triangle
	Draw 5 pointed star
	Draw pentagon
	Draw hexagon
	Draw using freehand recognition

Figure 3-21

3.1.8.1 Shape Properties

The properties of the chosen shape can be set using the "Property" toolbar item (as with Pens). Select the shape (if necessary click the select icon and then click the required object).

The example below shows a rectangle and how the properties influence the shape appearance when it is drawn:

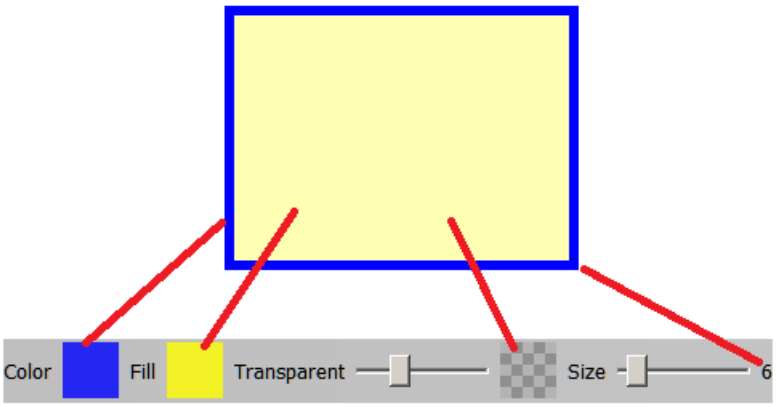


Figure 3-22

3.1.9 3D Shapes Menu Item

In IWBPro access to shapes such as spheres etc has been simplified by making these available on the main toolbar.

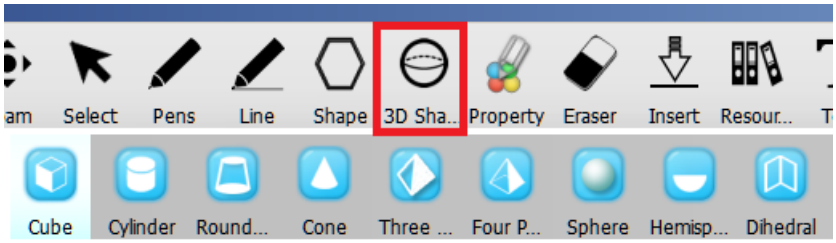


Figure 3-23

The available icons and associated shapes are listed below.

Icon	Functions
	Draw cuboids
	Draw cylinder
	Draw rounded trapezoid
	Draw cone
	Draw tetrahedron
	Draw pyramid
	Draw sphere

Icon	Functions
	Draw hemi-sphere
	Draw di-hedral

Figure 3-24

3.1.9.1 Shape Properties

The properties of the chosen shape can be set using the "Property" toolbar item (as with Pens).

The example below shows a rectangle and how the properties influence the shape appearance when it is drawn:

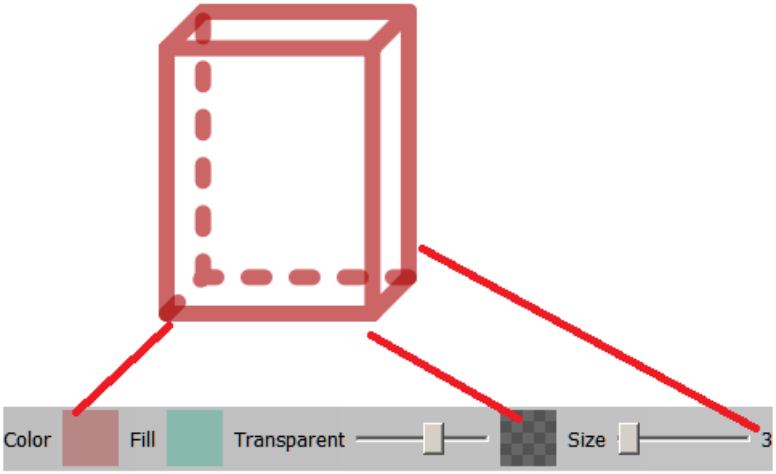


Figure 3-25

With 3D shapes the fill property is not used.

3.1.10 Inserts Menu Item

The Inserts menu item is used to insert objects into the document.

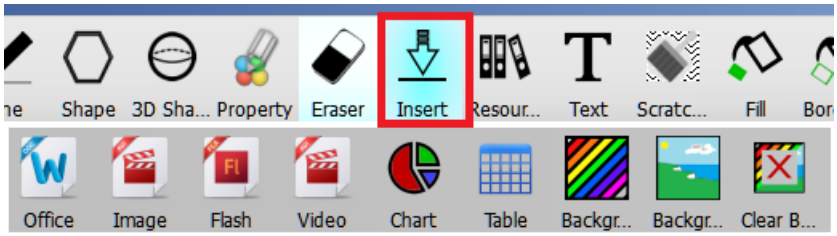


Figure 3-26

The available objects and icons are listed below:

Icon	Label	Object type

Icon	Label	Object type
	Office	Insert MS Office/PDF documents from file system
	Image	Insert image from file system. Supported formats are bmp, dds, icns, ico, jp2, jpeg, jpg, pbm, png, ppm, tif, tiff, wbmp, webp, xbm, xpm.
	Flash	Insert a Flash SWF format file. Adobe Flash player must be installed. Default SWF file player must be defined (.e.g Google Chrome)
	Video	Insert video from file system. Supported formats are avi, mp4, mpeg, mpg, flv, mkv, ogm, ogg, webm, mov, wmv, f4v, swf.
	Chart	Insert a Pie, Line, Bar, Bubble, or Area type chart onto current page (after specifying the data).
	Table	Insert a table on the page, specifying the number of rows and columns
	Background Colour	Change the current page background colour
	Background Image	Choose from a selection of preset backgrounds, or browse the file systems for an image.
	Clear Background	Clear the background colour/image insert via the above 2 functions

Figure 3-27

3.1.11 Resource Bank Drag and Drop

Another new feature in IWBPro is the Resource Bank which allows supported objects to be drag and dropped directly onto the page. It supports the folder tree browser from the "My Computer" top-level and also maps to each user's personal resource folder. This feature is taken from the IWBPro modern mode.

The Resource Bank appears on the left hand side:

1 Folder Pane
2 File Pane
3 File Pane Page Count
4 Previous File Pane Page
5 Next File Pane Page
6 Adjust File/Folder Pane split size
7 Filter files by name (enter part name and click search)
8 Adds current selected folder to Favourites list
9 Show My Computer View in folder pane
10 Show User's Resource Bank view in folder pane
11 Show folders saved as favourites in the folder pane

Figure 3-28

The files that appear in the File Pane above can be drag and dropped onto the current page.

Supported files for drag and drop include images, audio, video, MS Office, Open Office, PDF, Text, HTML, SVG, SMART Notebook, SMART Gallery Items, SMART Gallery Collections files.

3.1.12 Text Menu Item

The text input icon T reveals the text tools sub-menu:

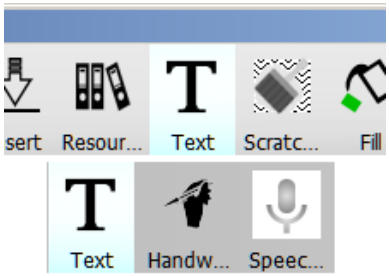


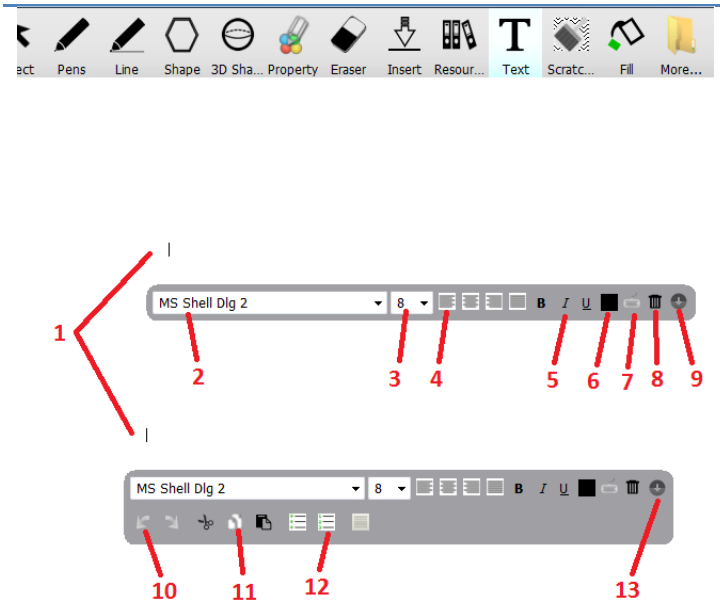
Figure 3-29

The tools available are listed below:

Icon	Label	Object type
T	Text	Text input via keyboard

Icon	Label	Object type
	Handwriting	Text input by handwriting recognition
	Speech	Text input by speech recognition.

the text input tool appears when the document page is clicked:



1 Text Input Area
2 Font Selector
3 Font Size Selector
4 Text Alignment
5 Font Style
6 Text Colour
7 Show Keyboard
8 Delete Text Area
9 Show Extended settings

Extended Settings:

10 Undo/Redo
11 Cut/Copy/Paste
12 Bullet/Numbering List
13 Hide Extended Settings

Figure 3-30

See section 9 for a full description of the Text, Handwriting and Speech Recognition functions.

3.1.13 Scratch Pad Menu Item

The scratch pad tool is used as a hide/reveal tool over a selected are.

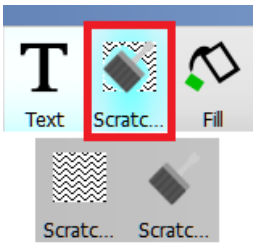


Figure 3-31

Icon	Functions
	Insert a scratch card over a page area

Scraper for the scratch card to reveal what's behind

Figure 3-32

3.1.14 Fill & Border Colour Menu Items

The Fill and Border Colour items are used to set or change the fill/border colours of objects drawn with the pen, line, and shape tools.

In the example below, a circle is drawn using the shape tool:

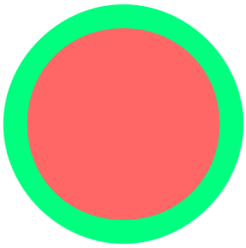


Figure 3-33

To change the fill colour, select the Fill tool icon, then click the Property icon to display the property selector.

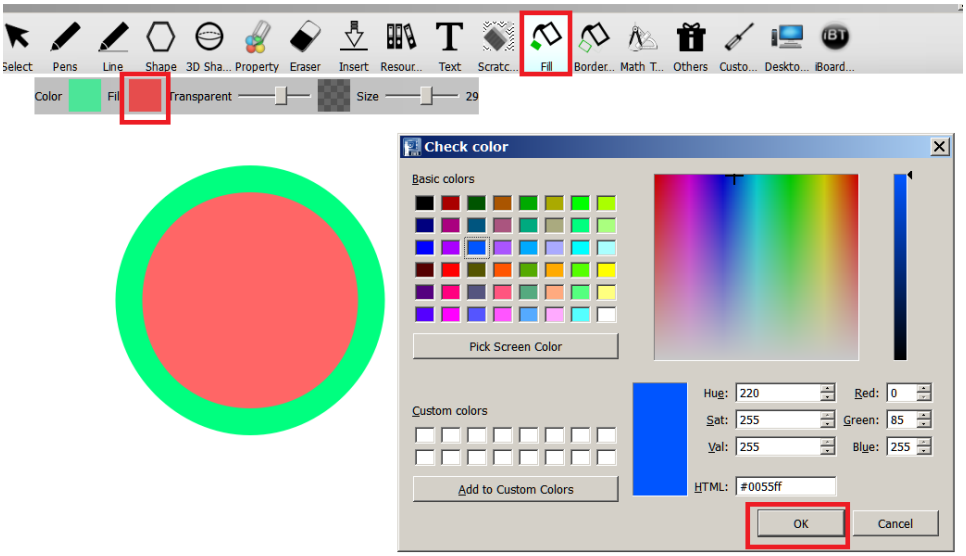


Figure 3-34

Click the "Fill" property colour, select the colour and click OK.

Now, click inside the shade to apply the new colour:

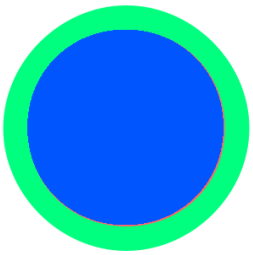


Figure 3-35

The Border tool is used in a similar way. To change the colour of the border of the above shape select the Border tool icon, then click the Property icon to display the property selector.

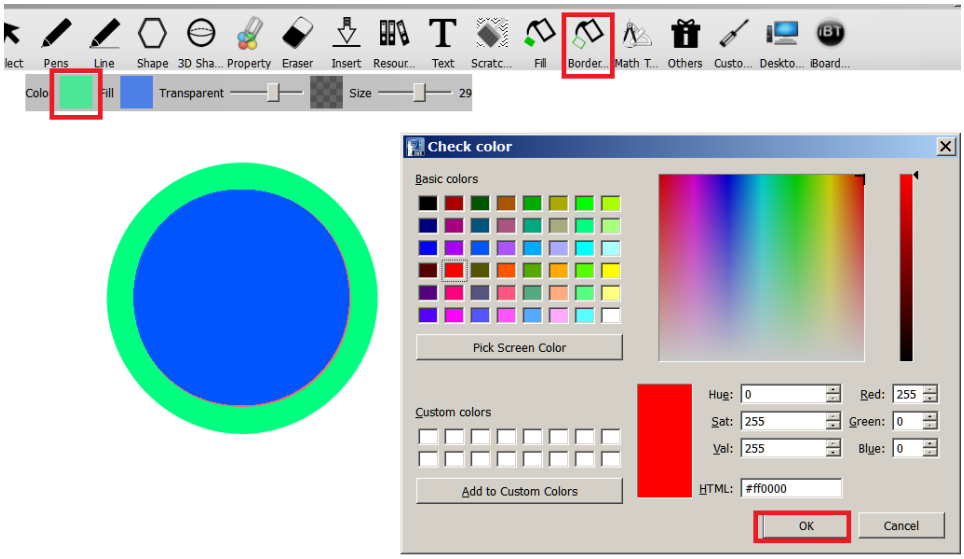


Figure 3-36

Click the "Colour" property colour, select the colour and click OK.

Now, click inside the shape to apply the new border colour:

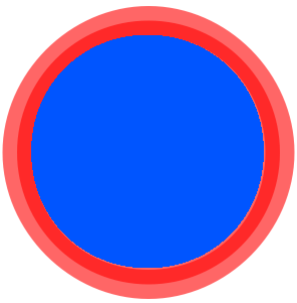


Figure 3-37

3.1.15 Maths Tool Menu Item

The maths tool offers a variety of tools that are shown when the Math Tool icon is clicked:

Figure 3-38

The tools are described below:

Icon	Label	Functions
	Ruler	Draw straight lines of required size Measure distance between 2 points on the page
	Triangle	Set square (30 or 45 degree) with ruler scales.
	Triangle	Set square (30 or 45 degree) with ruler scales.
	Protractor	Protractor for measure angles and drawing arcs
	Compass	Compass for drawing circles
	Function	Insert a graphic based on a function. Types of formulas supported are Linear, Quadratic, Cubic, Trigonometric & Reciprocal
	Mathematical Formula	Insert free format Math functions
	Coordinates	
	Calculator	

Figure 3-39

3.1.16 Others Menu Item

The Other Tools item houses a miscellaneous collection of mainly presentational tools, some of which have been added from the Modern Mode:

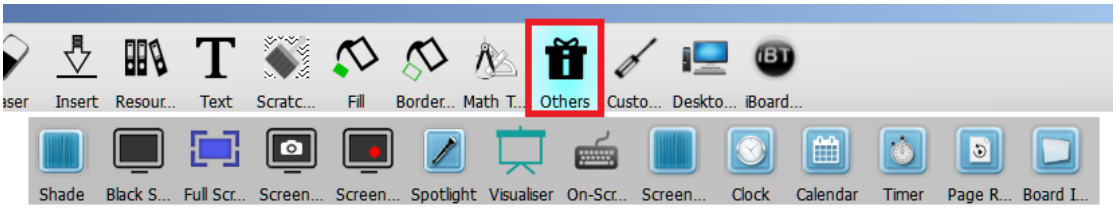


Figure 3-40

Each tool icon is listed below:

Icon	Label	Functions
	Shade	Provides a shaded region on the current page to hide areas.
	Black Screen	Blanks the screen (with an optional message)
	Full Screen	Full-screen mode on the current page.
	Screen Capture	Shows options for full, rectangle or freehand screenshot capture.
	Screen Recorder	Creates a video recording of the screen
	Spotlight	Blanks the page leaving an area that can be moved to show portions of the page content
	Visualiser	Enable image capture(s) from the attached web camera onto the page
	On-Screen Keyboard	Shows the on-screen keyboard
	Screen Curtain	Hides the whole screen
	Clock	Shows the clock with current time
	Calendar	Show the calendar
	Timer	Show a timer that can be used to countdown time
	Page Replay	Allows the whole drawings to be replayed
	Board-In-Board	Enables a pull-down board for writing notes/answers on

Figure 3-41

3.1.17 Custom Tools Menu Item

The Custom Tools item shows the Custom Tools that have been added (via the Custom Tool List tool). These are external applications added by each user as per their own requirements. By default this is blank. The example below shows 2 tools added:

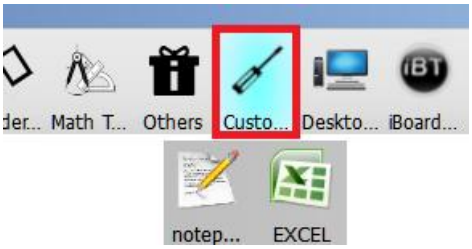


Figure 3-42

3.1.18 Desktop Menu Item & Floating Toolbar

The Desktop icon switches IWBPro into Desktop Mode. Here the Windows Desktop appears, as does the IWBPro Floating Toolbar (by default down the right hand side of the desktop):

The floating toolbar appears initially down the right side of the screen.

If the screen resolution is too small, the folder icon is shown at the bottom to indicate additional icons. Clicking the folder icon will reveal those additional icons.

The Floating Toolbar can be switched to the left or rightmost part of the screen using the buttons.

In Desktop Mode the main IWB window is hidden and the Windows Desktop become active, but allowing the IWB functions be used on the desktop.

The icons and functions available match those on the normal toolbar in the Classic Mode.

This enables the user to draw directly on the desktop. For example, a teacher may wish to show web pages via a browser and highlight certain parts. By switching to desktop mode this can be achieved.

The following shows how in the Desktop Mode a web page can be viewed and marked with the pen:

Figure 3-44

Switching back to iBT Application mode is done by clicking the "iBT" icon.

3.1.19 iBT Menu Item

The "iBT" menu item reveals the settings and about menus. Each of these will be described in the later chapter "10 iBT Menu".

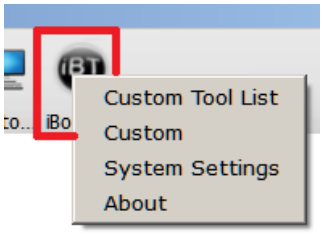


Figure 3-45

4 Document Management Functions

The IWBPro application saves the pages in a file with the default "iwbpro" extension. The files are referred to as IWBPro documents. Files can also be saved as PDF, SMART Notebook, or Image formats.

In this section the functions for managing the documents are explained. These are accessed via the "File" toolbar icon:

Figure 4-1

4.1 Create New Document

When the IWB application starts it opens with a blank one page document which can be drawn on. If after drawing, a new document is required, select the "File" and "New" icon from the common toolbar:

If the current document has unsaved changes, the application will prompt to save the current document:

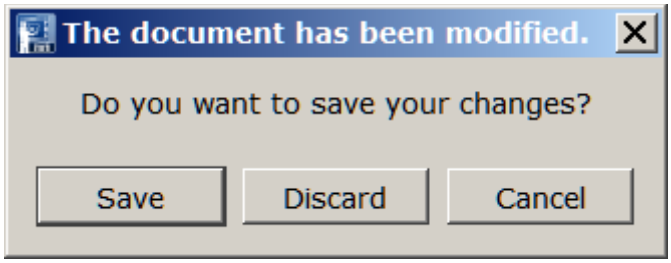


Figure 4-2

Clicking "Discard" cause the current changes to be lost, and a new blank document is opened.

Clicking "Cancel" cancels the "File>New" operation and leaves the current document in place with any unsaved changes.

Clicking "Save" opens the standard Microsoft Windows "Save As" dialogue box where the user can specify the name and location of the saved document.

The default location for files is the user's "Documents\IWBPro" folder.

4.2 Save Document

To save any changes to the current document, click "File" and "Save" from the common toolbar:

File Save

If the document is a new one (i.e. not previously saved), the standard Windows File Save dialogue box appears allowing the user to select the save folder location and the file name. In addition there is an option on the main dialogue to save the file with a password:

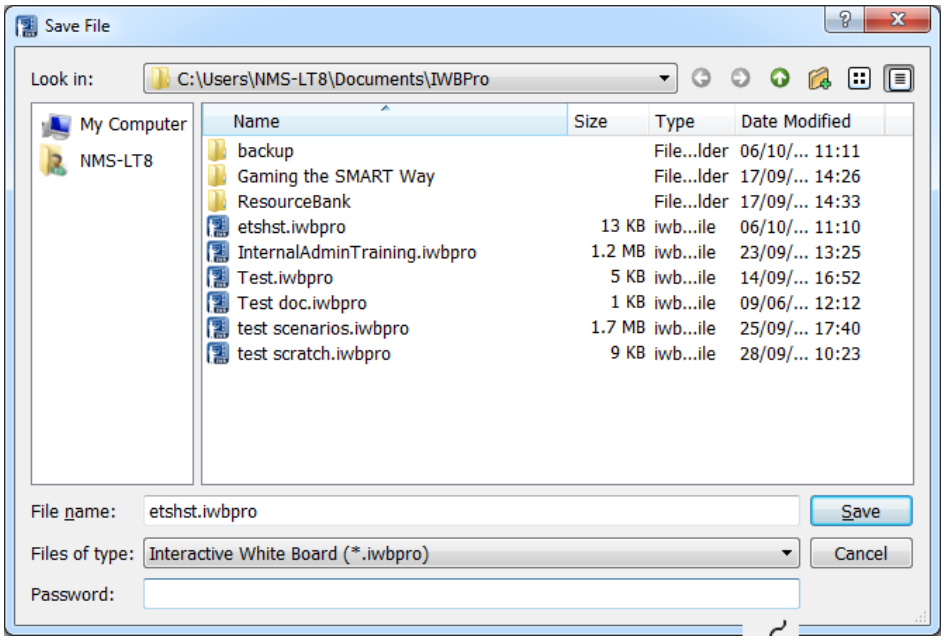


Figure 4-3

Enter a password and click Save to save the file with encryption, which will require the password to be entered when the file is opened.

Or you can simply save the file without password protection by leaving the password field blank

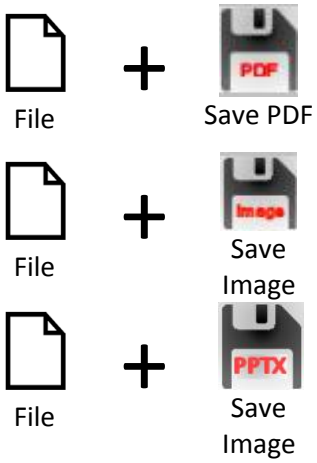
There is also a "Save As" option, with which a document can be saved with a different name/location, thereby preserving the original loaded document.

File Save

The initial folder location is the folder that was selected at the last save/open.

4.2.1 Save As PDF / Image / Powerpoint

Document can also be saved as PDF and as image files. The following sequence of clicks provide these options:



4.2.2 File Formats

IWB supports the following document formats:

Format Name	File Name Extension	
IWBPro	*.iwbpro	Native format of IWBPro documents with full feature support
SMART Notebook	*.notebook	Files created using SMART Notebook.
IWB	*.iwb	Files from the old IWB application
PPTx	*.pptx	Files created in PowerPoint Presentation format

Figure 4-4

Other format documents can be inserted/drag and dropped via the "Insert" or "Resources" icons.

4.3 Open Document

IWB documents that have been previously saved can be opened. Select the "File" and "Open" icon from the common toolbar:

As with the Create New Document function, if the current document has unsaved changes the save prompt will appear first.

4.4 Password Protecting Documents

To protect a document from being opened by students (for example test results), there is an option when saving the document as IWBPRO format to password protect ("encrypt") the document, which results in the file requiring a password to view it in IWBPro.

The "Password?" box appears on the main dialogue known as simplifying save, the password should be entered text field, and then "Save" button should be pressed:

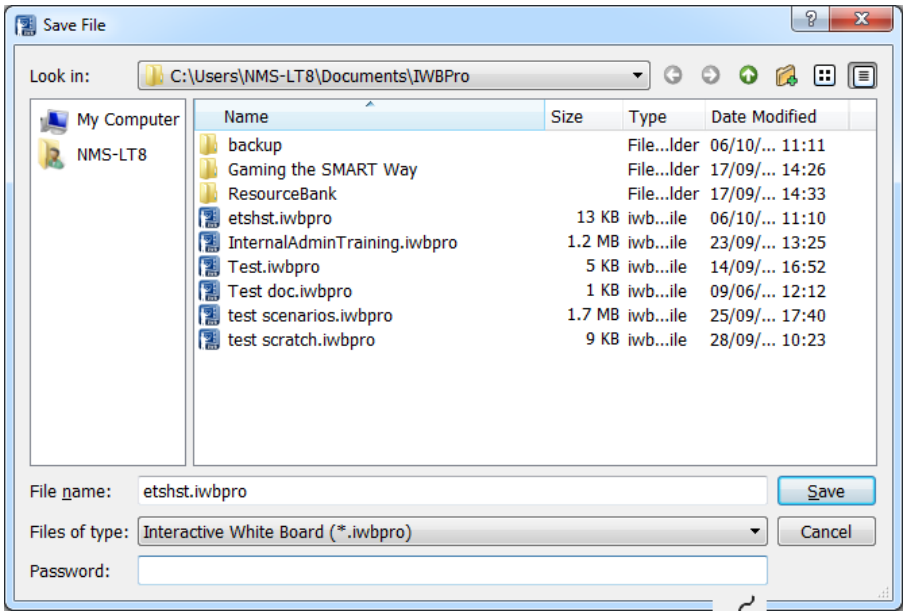


Figure 4-5

To ignore this, i.e. not add password protection, simply click the "Save" button with leaving the “Password” text field blank.

4.5 Import

The Import functions allows certain types of document to be imported as an image into the current IWBPro document.

The standard File Open dialogue box opens.

The supported files for import are files known by the extensions: ODT, OTT, SXW, STW, DOCX, DOTX, DOC, DOT, XML, RTF, ODF, ODS, SLC, XLSX, XLSM, XLST, XLS, XLW, XLC, XLT, ODP, OTP, SXC, PPTX, PPSX, PPMS, POTX, POMX, PPT, PPS, PPM, POT, POM, HTML, HTM, PDF, POM.

Once the file is selected, the following dialogue appears:

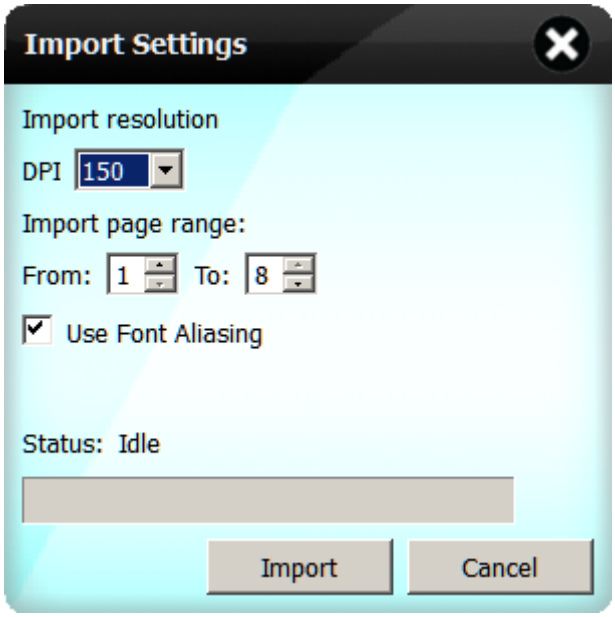


Figure 4-6

If a Office document is selected the "Import" button will be disabled whilst the document is internally inspected, then the option to import will be enabled. The import dialogue allows page range, resolution to be set for the import.

When import is clicked the import processing starts:

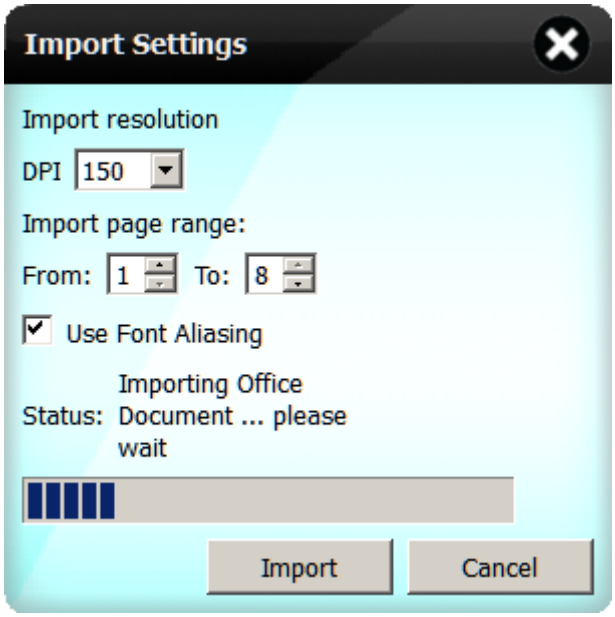


Figure 4-7

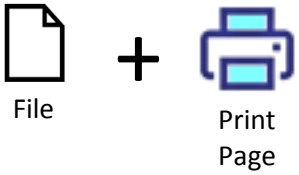
The document is rendered as an image and set as background, page by page.

The import renders the source document as an image, so consequently some of the formatting, position, size of various elements may vary from the original document.

4.6 Printing

There are two modes for printing - Print Document:

and Print Current Page:



The standard Windows Print File dialogue box opens for printer selection.

4.7 Exit IWBPro

The IWBPro application is exited using the Windows [X] button, or the upper-leftmost "File" title bar icon:

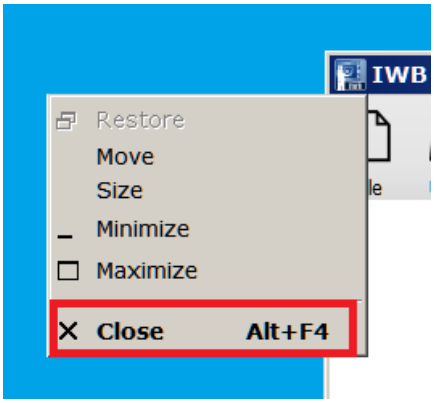


Figure 4-8

If the current document has any unsaved changes the save document prompt will appear.

4.8 Page Control

The page control icon opens the page list panel on the right side of the desktop.

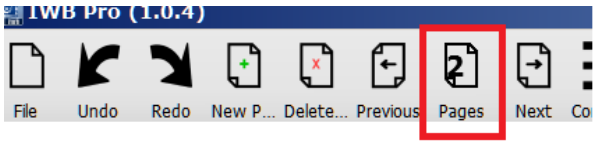
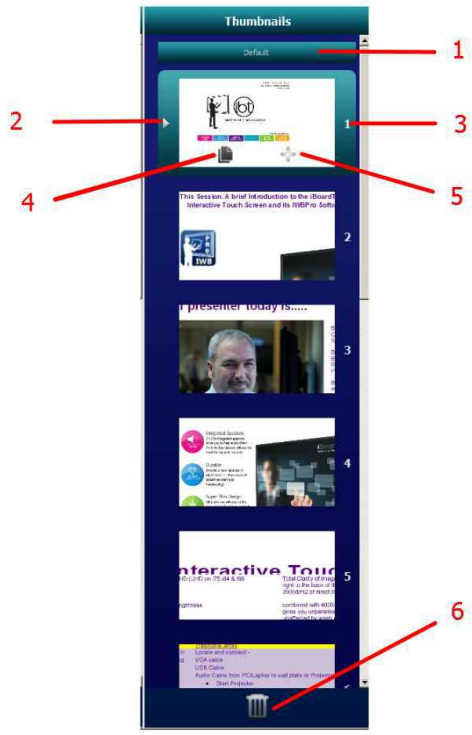


Figure 4-9

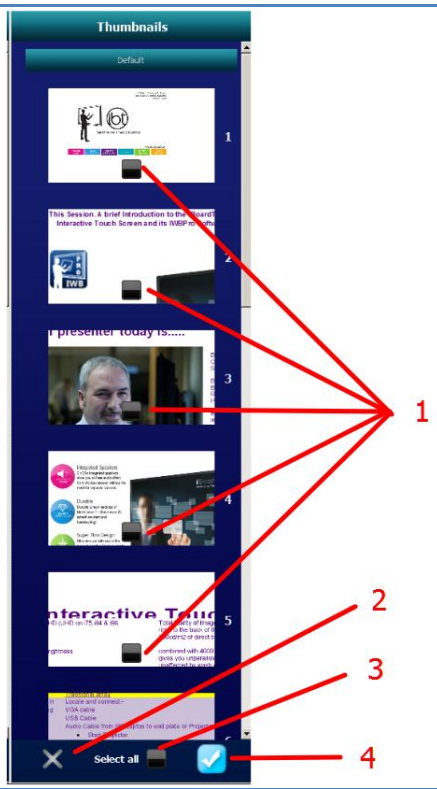
The table below describes the page navigator.



1	Group Name
2	Current Page indicator
3	Page Number
4	Clone Page
5	Insert Page (after)
6	Delete

Figure 4-10

To delete pages, click the Delete icon in the navigator. A selection checkbox appears on each page:



1	Select each page for deletion
2	Cancel
3	Select all pages for deletion
4	Delete selected page(s)

Figure 4-11

5 Maths Tool Functions

5.1 Ruler

To display the Ruler Tool, click the following icons:

The ruler appears:

Figure 5-1

The ruler can positioned to use the scale to measure distance

Ruler length and rotation is controlled via the buttons listed below:

Button Icon	Function
	Close the ruler
	Rotate
	Change length

Figure 5-2

To draw a line of a required length, place the cursor over the ruler graduations and drag to the required length. a line will be drawn as the cursor is dragged, and the measurement will be shown on the ruler as the pen moves.

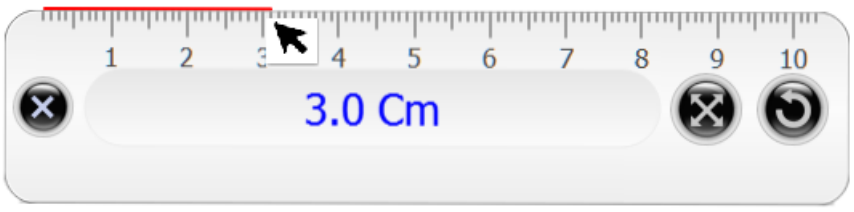


Figure 5-3

The style, colour, thickness on the line drawn is in accordance with the current line settings.

5.2 Triangle 30° & 45° Set Square

To display the 30º Set Square Tool, click the following icons:

To display the 45º Set Square Tool, click the following icons:

The two are similar in function and usage, the only difference being the angles.

The tool appears (the 30º shown):

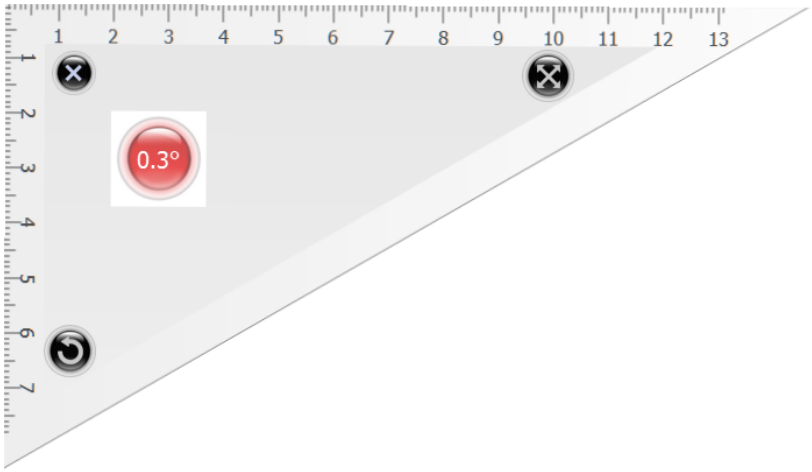


Figure 5-4

The tool can positioned and rotated to use the scale to measure distance.

Other functions of the tool are similar to those of the ruler:

Button Icon	Function
	Close teh set square
	Rotate
	Change length

Figure 5-5

To draw a line along either scaled edge, place the cursor over the scale and drag to the required length. a line will be drawn as the cursor is dragged, and the measurement will be shown on the set square as the pen moves. In the example below the Common Tools floating toolbar is used to change the line colours.

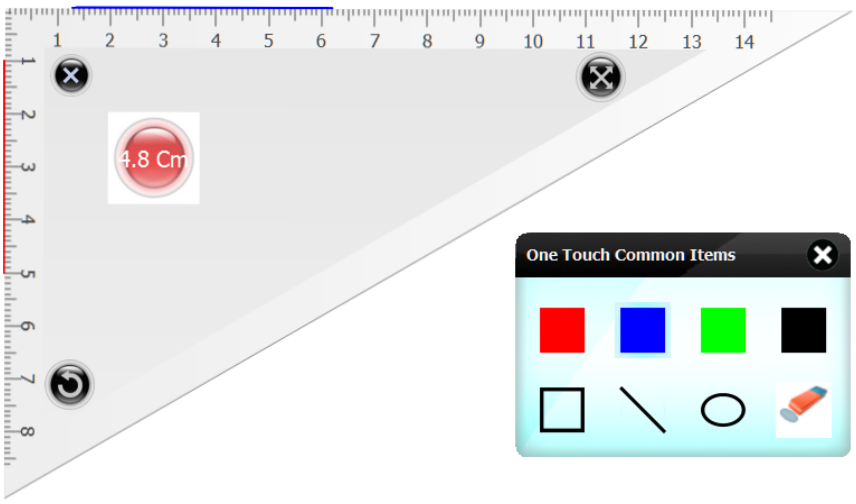
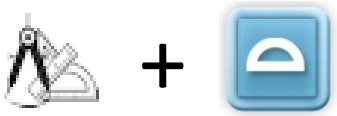


Figure 5-6

5.3 Protractor

To display the Protractor Tool, click the following icons:



The tool appears:

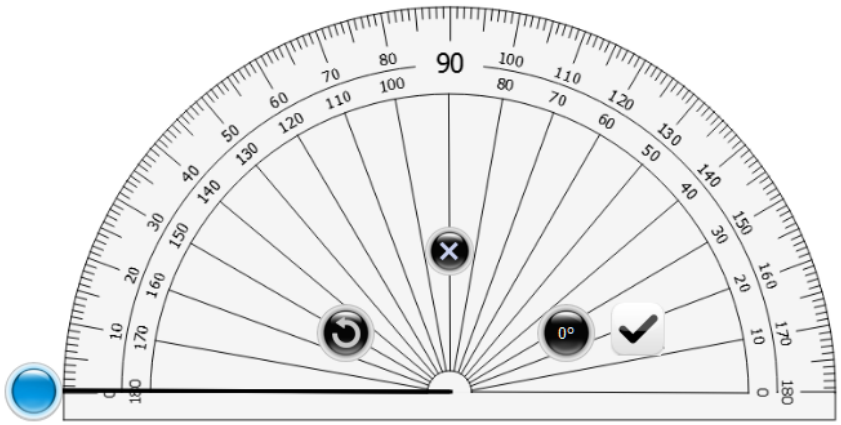


Figure 5-7

The tool can positioned and rotated to use the scale to measure angles.

Angles are measured by clicking on the peg and dragging. The angle is indicate at the centre of the compass.

Other functions of the tool are similar to those of the ruler:

Other functions of the tool are similar to those of the ruler:

Button Icon	Function
	Close the set tool
	Rotate
	Draw angled lines at the set angle
	Pegs used to drag the pointer to the required angle

Figure 5-8

To draw an angle, click and drag the peg to the required angle then click the "tick" icon. The result is drawn under the protractor:

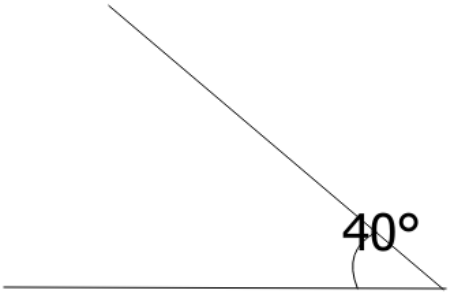
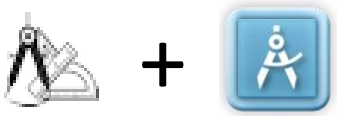


Figure 5-9

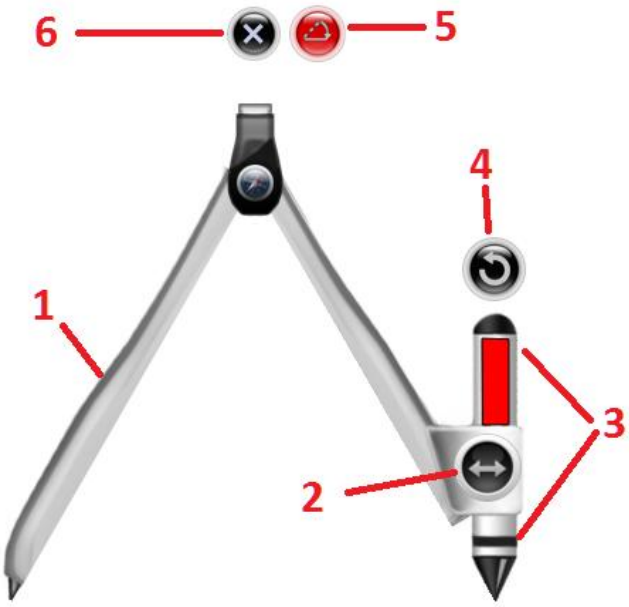
5.4 Compass

The compass tool is used to draw arcs and circles.

To display the compass tool press the following icons:



The tool appears:



1 Pin leg - click and drag to position the pin point as required
2 Radius - click and drag to the required radius
3 Pen - click and drag anywhere along the pen to draw the arc
4 Pen Positioner - move the pen point at the set radius without drawing the arc
5 Arc/Sector toggle - click to specify that a sector should be drawn, unclick to draw an arc
6 Close tool

Figure 5-10

Arc

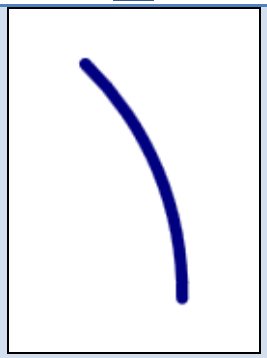


Figure 5-11

Sector

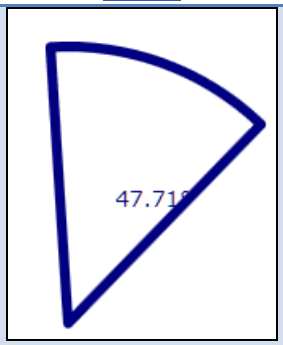


Figure 5-12

Figure 5-13

To change the colour, click on the pen part of the compass, then select "Property" icon from the toolbar:

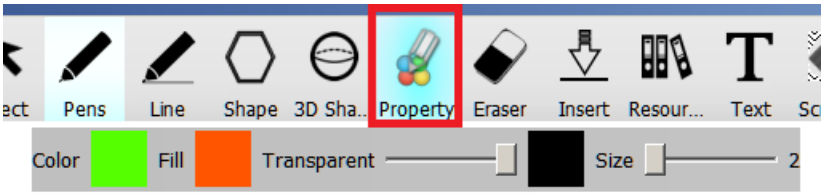


Figure 5-14

The "Color" property sets the colour of the pen, the fill colour of the sector (or segment if arc mode is selected). The size sets the size of the stroke.

The following is drawn when the mode is set to sector, fill colour is red, and pen is green:

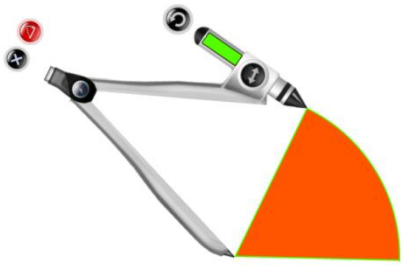


Figure 5-15

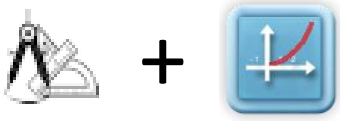
The same settings but with arc mode creates a segment as follows:

Figure 5-16

5.5 Function Graph

This tool draws a graph of a mathematic function with the option to embed the resulting graph as an image onto the current document page.

This tool is displayed by clicking the following:



The following screen appears:

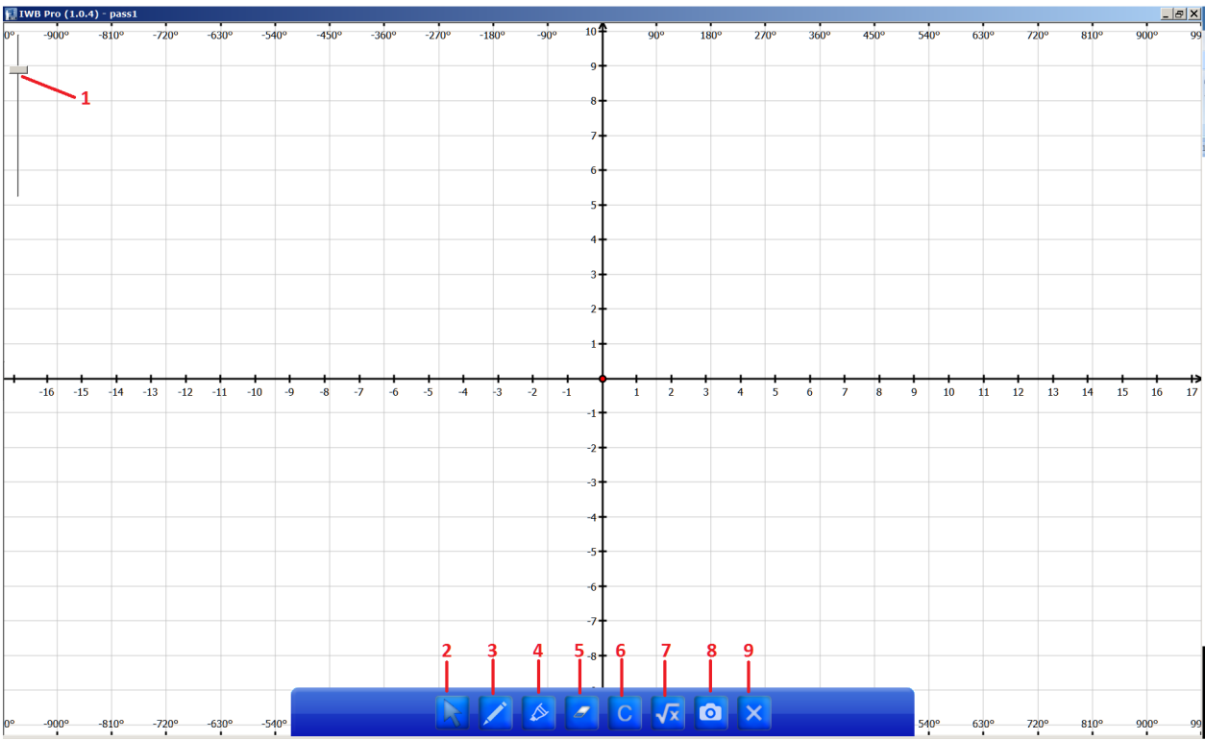


Figure 5-17

The numbered control components are described below:

1	Zoom level slider
2	Switch to pan/roam mode
3	Pen tool
4	Highlighter
5	Eraser
6	Clear graph
7	Function editor
8	Add graph to document as an image
9	Exit Function plotter

Figure 5-18

The function editor is shown below:

Figure 5-19

Using the buttons the equation is created. Click the green tick button to plot the graph:

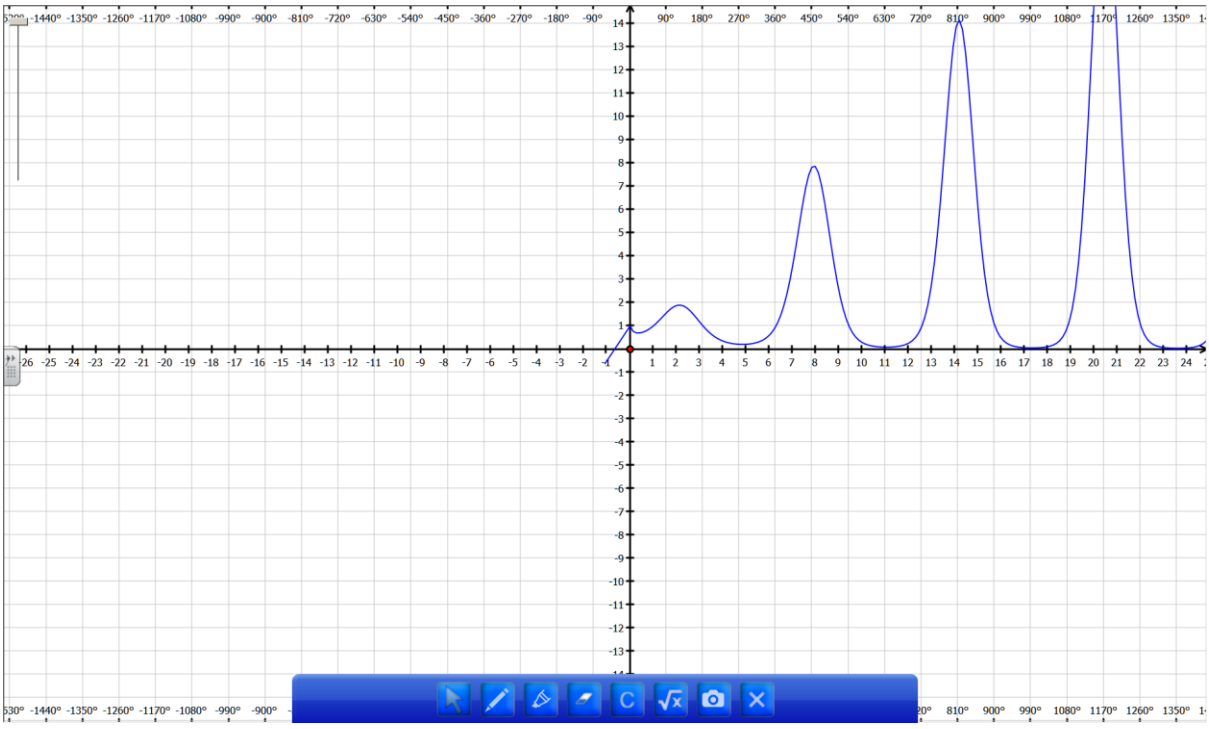


Figure 5-20

Clicking the mode slider from 1 to 0 reveals a set of preset functions:

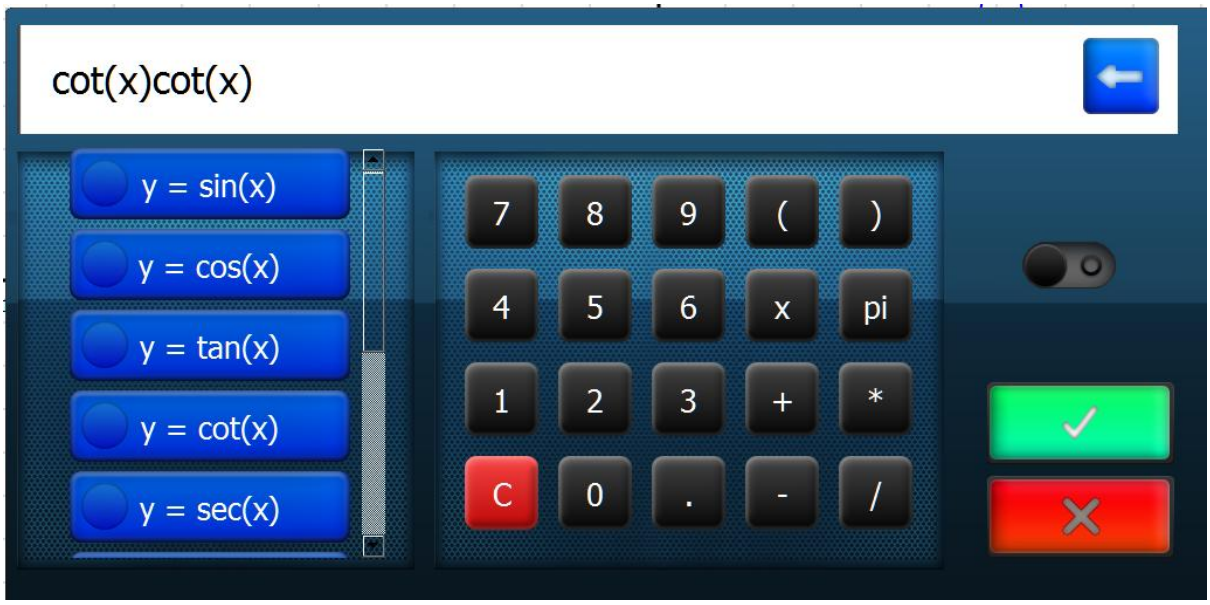


Figure 5-21

Flicking back to mode "1" and clicking the icon brings up the OS formula recognition widget:

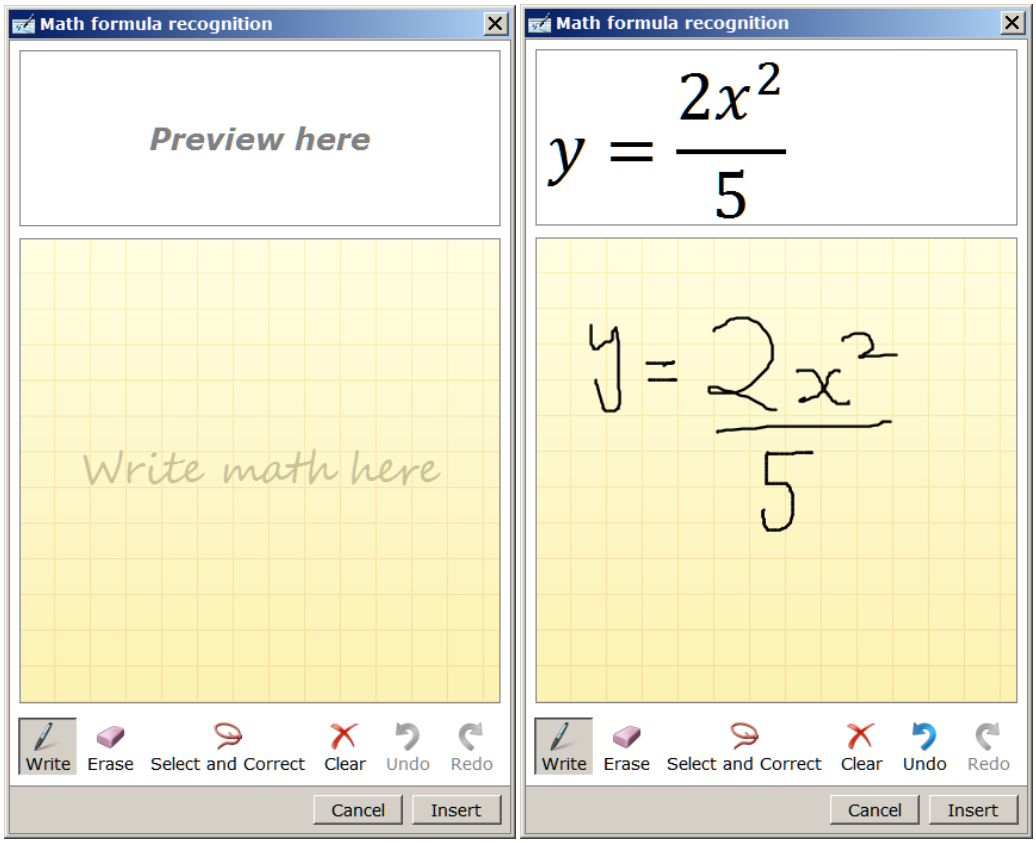


Figure 5-22

Click "Insert" to insert the recognised equation and to plot the graph.

Clicking snapshot icon adds the graph to the document as an image:

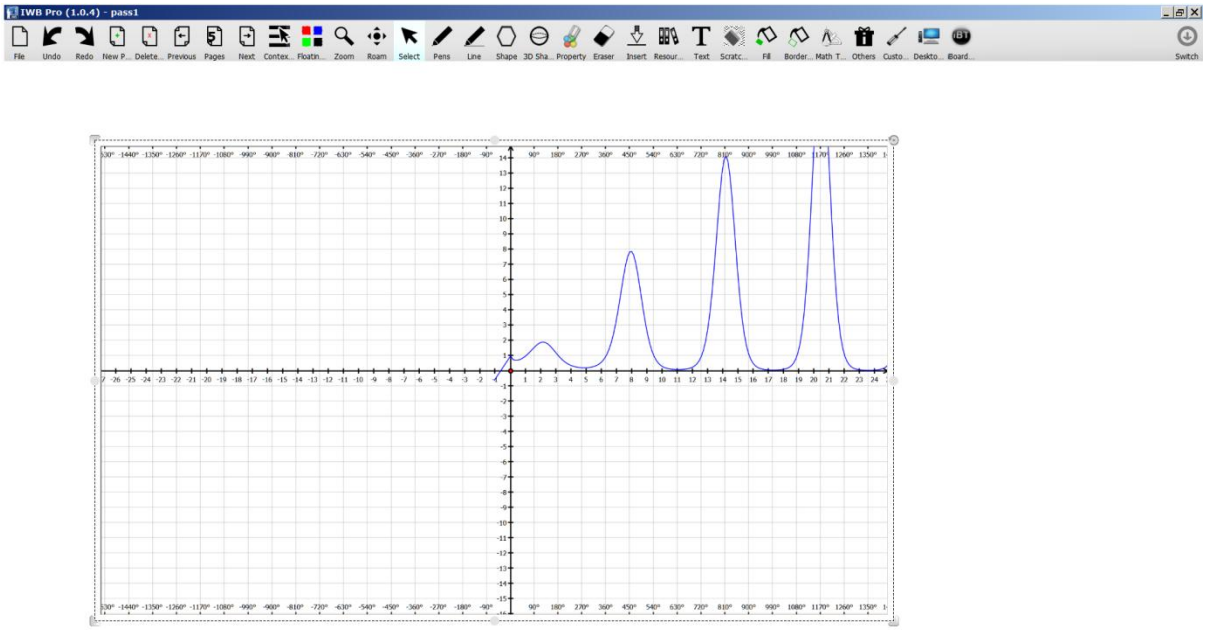


Figure 5-23

The resulting object can be manipulated as any other image object.

Show and hide the annotation by clicking the orange text icon again.

5.6 Maths Formula

This feature relies on the Microsoft Windows 7 "Math Input Panel" being installed.

Click the following to display the input panel:

The panel appears:

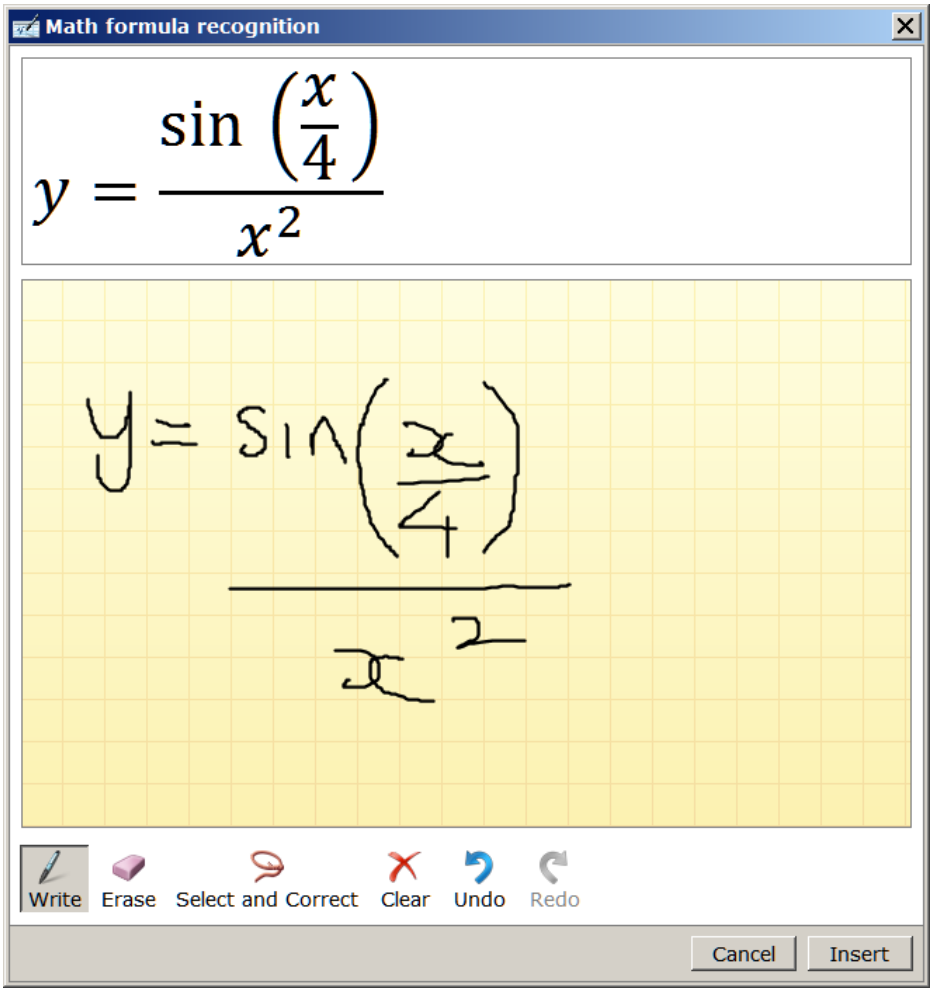


Figure 5-24

Write the formula. When the formula as completed click insert. Note - the accuracy of the formula rendering relies on the Microsoft package.

Write the formula and when completed click "Insert", the formula appears in the top left corner of the page:

$$y = \frac{\sin\left(\frac{x}{4}\right)}{x^2}$$

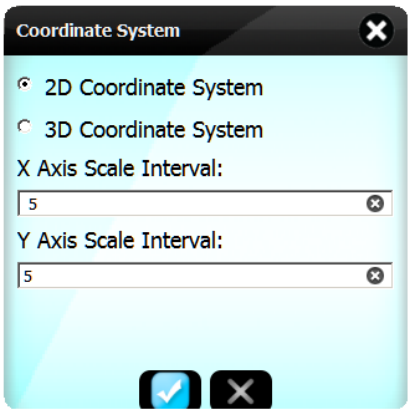
Figure 5-25

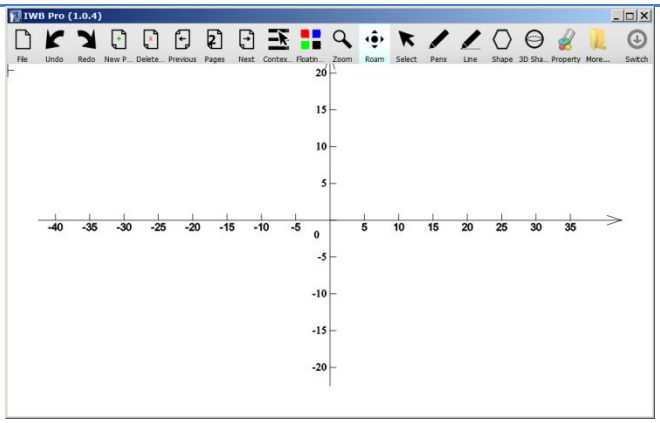
5.7 Co-Ordinates Axis

This features adds 2/3D axis to the current page as background.

Click the following to display the input panel:

The selector dialogue appears, which offers a choice of 2d and 3d axis. The following shows the two choices and the resulting axis on the page:





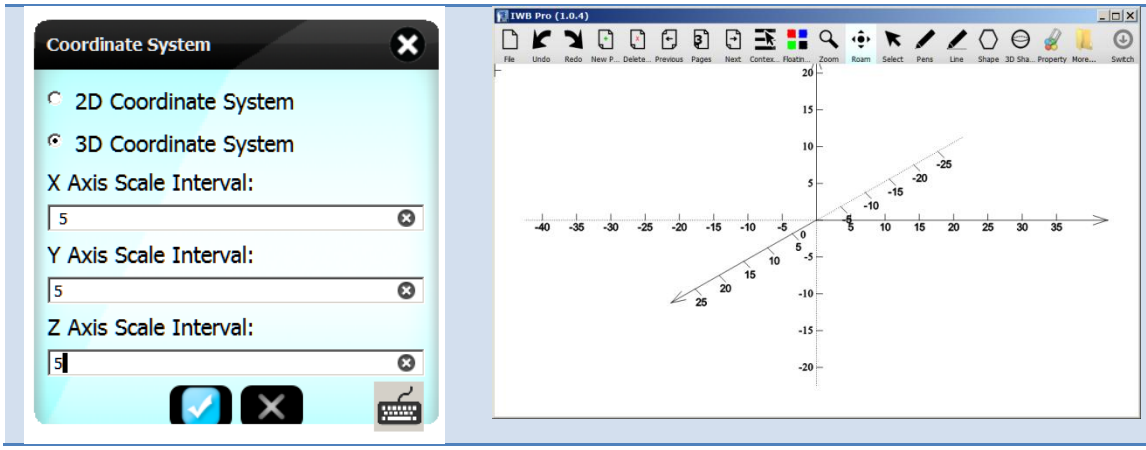


Figure 5-26

5.8 Calculator

IWBPro has a built-in calculator

Click the following to display the tool:

The calculator dialogue appears. Te buttons are used to operate the calculator. The contents of the display can be copied to the document (as text) using the "Copy to document" button.

Figure 5-27

6 Other Tools

This section covers the collections of presentation tools under the "Others" menu:

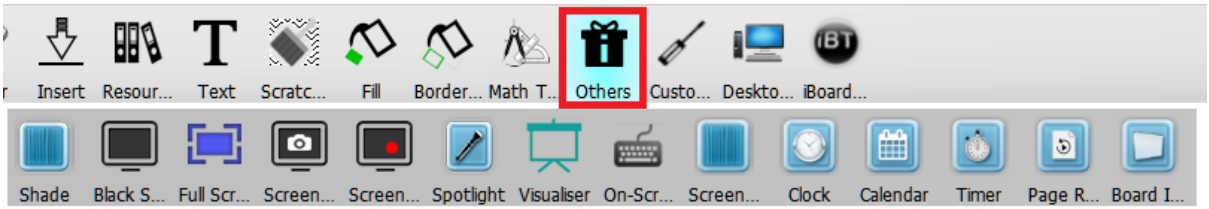


Figure 6-1

6.1 Shade Tool

The Shade Tool is used to conceal the all or part of the page and slide up/down/sideways to reveal the portions of page.

To start the shade click the following icons:

The screen cover appears over the whole screen:

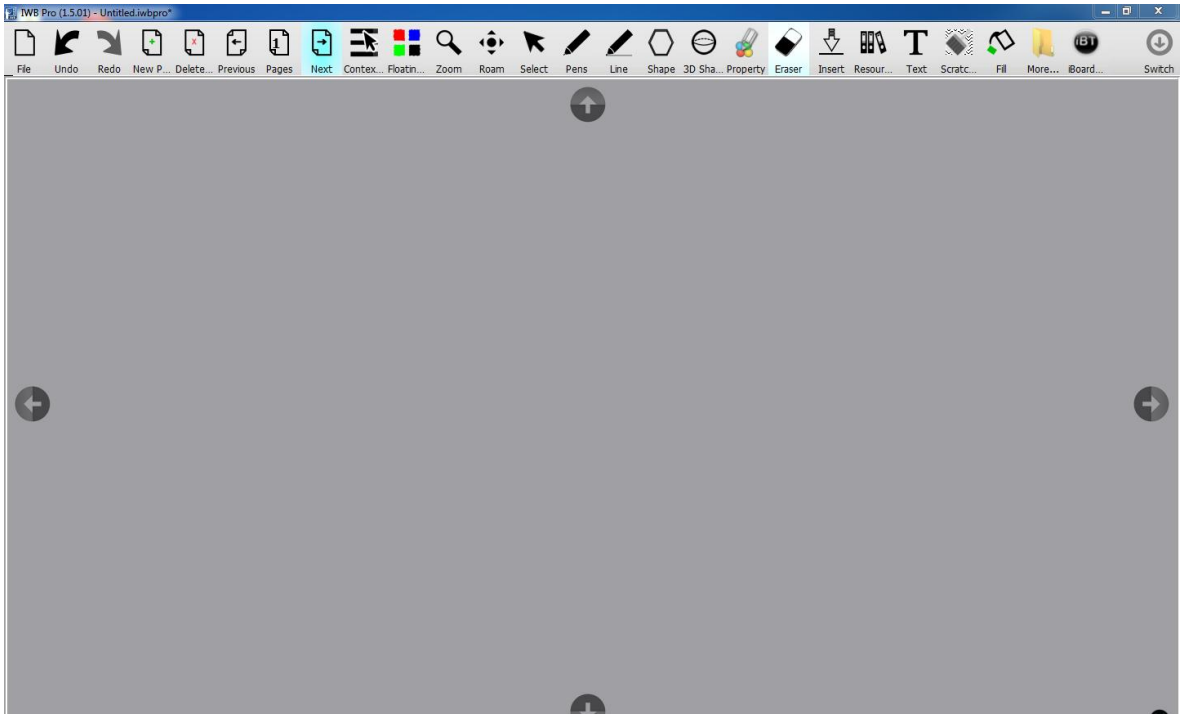


Figure 6-2

Click and drag the handles to reveal the screen portions.

Click the [x] in the bottom right to close the shade.

6.2 Black Screen Tool

The Black Screen Tool is used to cover the screen with a banner message.

To start the tool click the following icons:

A dialogue appears allowing the banner message to be entered:

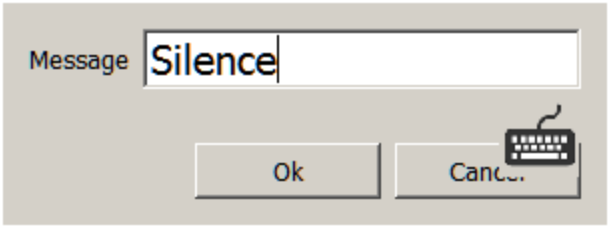


Figure 6-3

The message is then displayed as a red on black banner covering the whole screen:

Figure 6-4

Press any key or click to close the banner.

6.3 Full Screen View Tool

The Full Screen View Tool maximises the page drawing area of the screen, hiding all the toolbars.

To start the tool click the following icons:

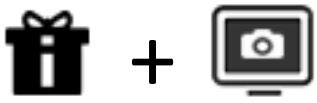
Figure 6-5

Four buttons at the bottom edge of the screen appear that allow page selection, and the red [x] button reverts the screen back to normal mode.

6.4 Screen Capture Tool

The Screen Capture Tool enables the whole or a portion of the screen/desktop to be captured, and pastes the result onto the current IWB page as an image.

To start the tool click the following icons:



The screen capture panel appears:

Figure 6-6

The icons and their functions on this panel are described below:

Button Icon	Function
	Captures the whole screen, pastes the captured image onto the current page
	Captures a rectangle area specified by click and drag. The rectangle is marked as it is dragged. When the tick is clicked the selected region is pasted into the document, when the red cross is ticked the selection is cancelled.
	Freehand selection - draw around the required region, when the cursor is released the region is pasted onto the current page.
	Closes the screen capture panel.

Figure 6-7

6.5 Screen Recorder Tool

The Screen recorder Tool is used to record the desktop interaction as a video, with audio. This can be used to record lessons.

To start the tool click the following icons:

The IWB screen recorder application windows appears:

Figure 6-8

The buttons from left to right are Play, Pause, Stop.

Button Icon	Function

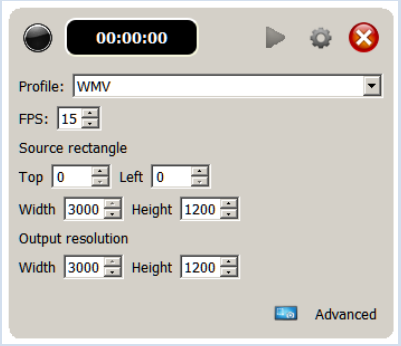
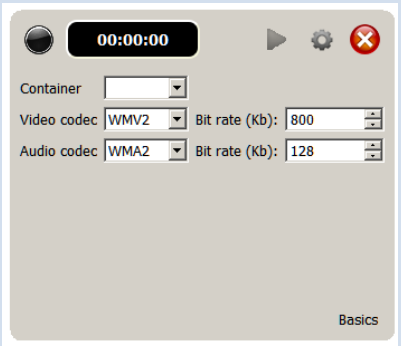
	Start/Stop recording. When recording this is red.
	Plays the recorded video.
	Options. This opens up the following options:  These options allow the region that is record to be set manually, as well as the video format and frame rate. The screen grab icon can be used to us click and drag to set the recording region. The region defaults to the full screen (including extend desktops). Clicking Advance reveals some more video settings: 
	Closes the screen recorder panel.

Figure 6-9

To start recording press record button, and the file save dialogue appears.

The sets the name that the recoding will be saved. When setting the name, ensure the extension matches the Profile setting i9n the video capture panel, e.g. WMV, MP4:

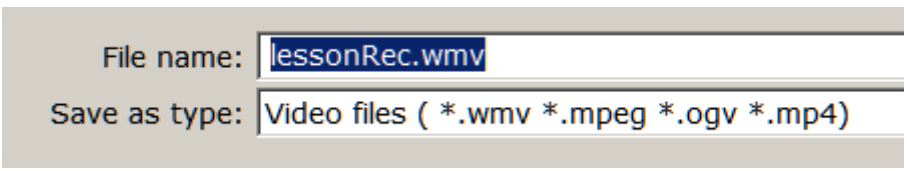


Figure 6-10

Click "Save" and the recording starts. The timers start counting too.

Figure 6-11

Press the red button to stop the recording.

Click the play button to play the recorded video.

Click the [x] button on the recorder to exit.

6.6 Spotlight Tool

The Spotlight Tool is used to show a small part often page, with the rest covered in black.

To start the tool click the following icons:

The whole screen is covered bar a circular area:

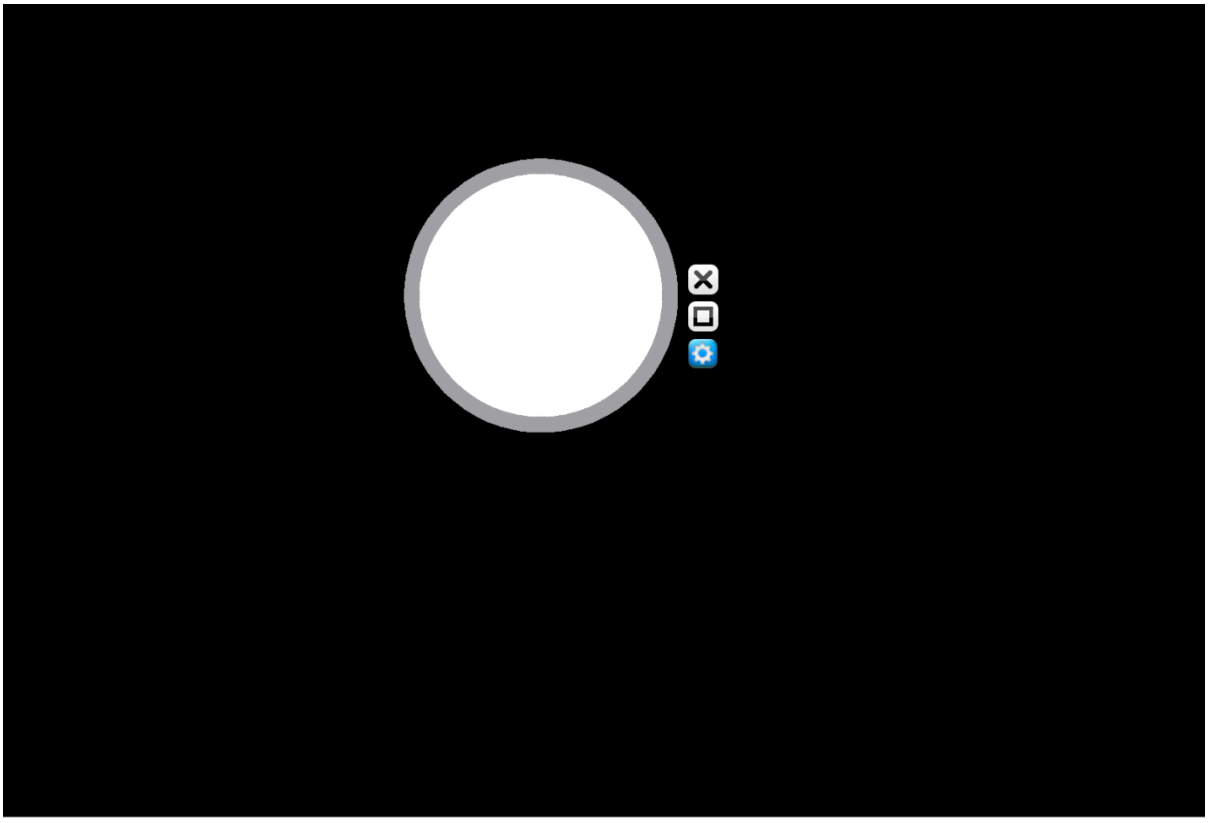


Figure 6-12

The blue gear cog icon is used to adjust size of the visible area.

Click and drag on any of the black area to move the view port around. The square icon changes the shape of the view port to square.

Click the[X] to close this tool.

6.7 Visualiser Tool

The Visualiser Tool (in old IWB called the Exhibition Tool) interfaces with the camera (if attached) to take pictures and allow them to be embedded within the IWBPro document.

To start the tool click the following icons:

The camera capture page opens:

Figure 6-13

The "Camera" drop-down list shows all the available cameras.

The "Resolution" drop-down list specifies the camera capture size.

The "Audio" drop-down list lists all available audio devices.

The icon buttons along the bottom control this tool as follows:

Button Icon	Function
	Locks the size and position of the camera feed.
	Refreshes the available camera/audio device lists.
	Take snapshot.
	Close tool and return back to IWBPro document.
	Record camera feed
	This will bring up the Visualiser Advanced Settings menu. See the "Visualiser Advanced Settings" section below.

Figure 6-14

6.8 Visualiser Advanced Settings

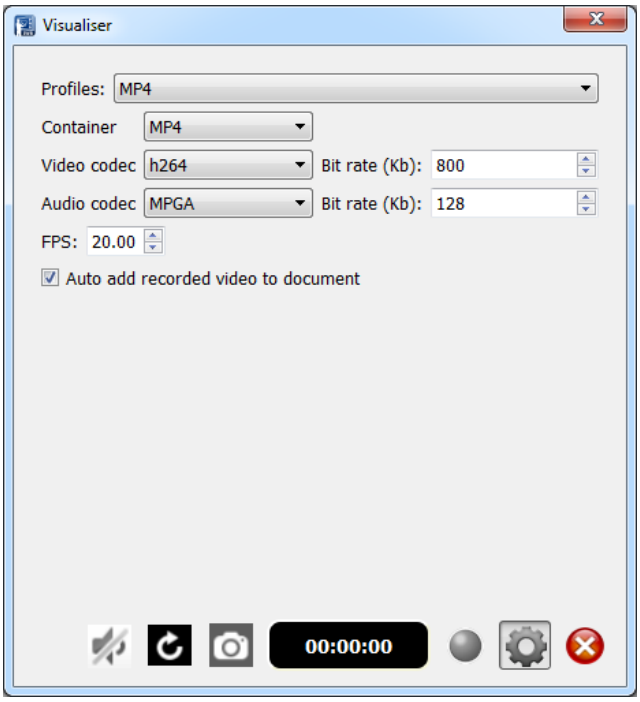


Figure 6-15

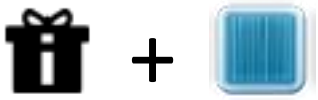
The values are explained in the table below in detail. The first two values in the table can be changed to your preference but the rest of them should be left along in default format:

Values	Function
Profiles	This lists all available video formats you can record your camera with.
FPS (Frame Per Second)	This is how fast the video feed will be recording and playing back, so to make the video playback smoother you would have to increase the FPS.

6.9 Screen Wrap (Curtain) Tool

The Shade Tool is used to conceal the all screen.

To start the shade click the following icons:



The screen cover appears over the whole screen:

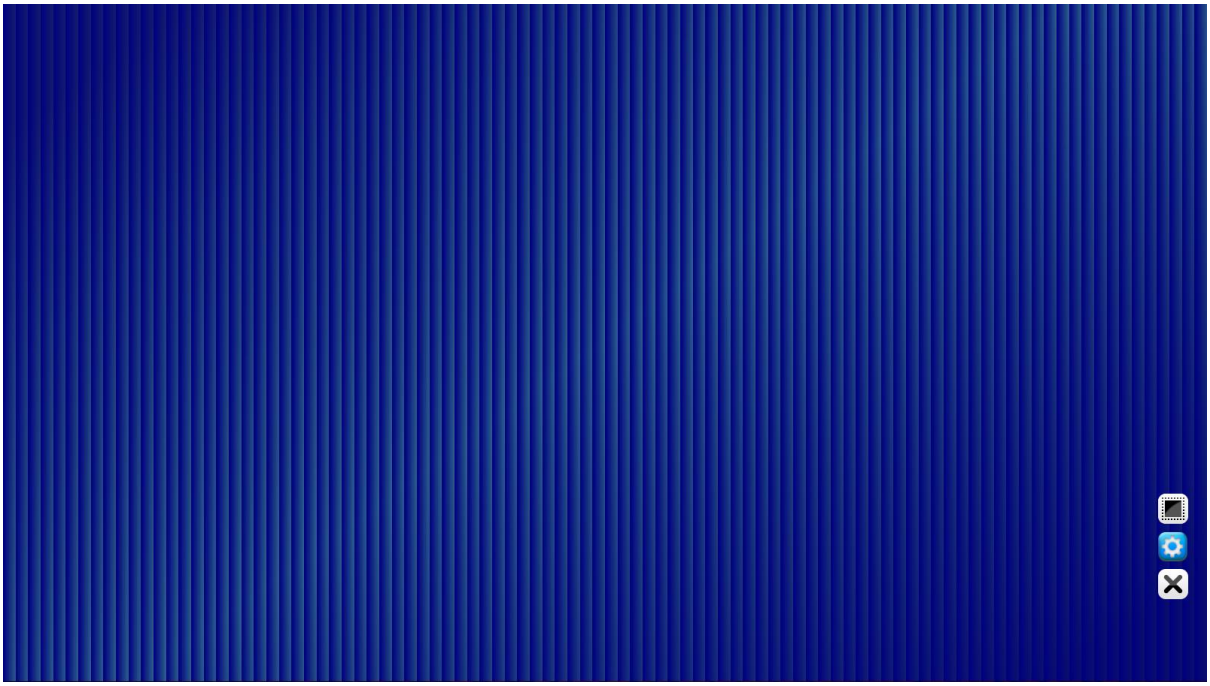


Figure 0-1

The image that is displayed can be changed (e.g. School logo) by clicking the blue gear cog button and selecting an image file.

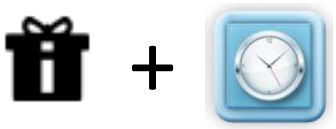
The selection icon allows or region to be specified where the curtain should cover.

Click the [x] in the bottom right to close the tool.

6.10 Clock Tool

The Clock Tool displays a clock with the current time.

To start the tool click the following icons:



The clock appears:

Figure 0-2

Use the Move Arrows icon to drag the clock to different positions.

Click the [x] in the bottom right to close the tool.

6.11 Calendar Tool

The Clock Tool displays a clock with the current time.

To start the tool click the following icons:

The Calendar appears:

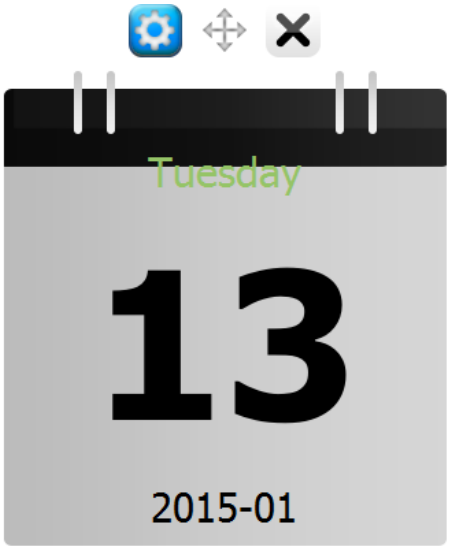


Figure 0-3

Use the blue gear cog icon to switch to monthly view:

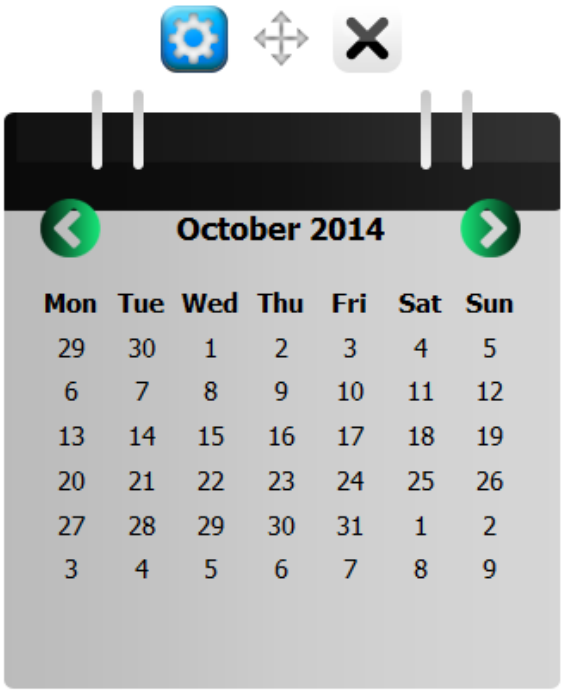


Figure 0-4

Use the Move Arrows icon to drag the Calendar to different positions.

Use the green left and right buttons to change the month.

Click the [x] in the bottom right to close the tool.

6.12 Timer Tool

The Timer Tool displays a timer clock that can be set to countdown from with the current time.

To start the tool click the following icons:

The Timer appears:

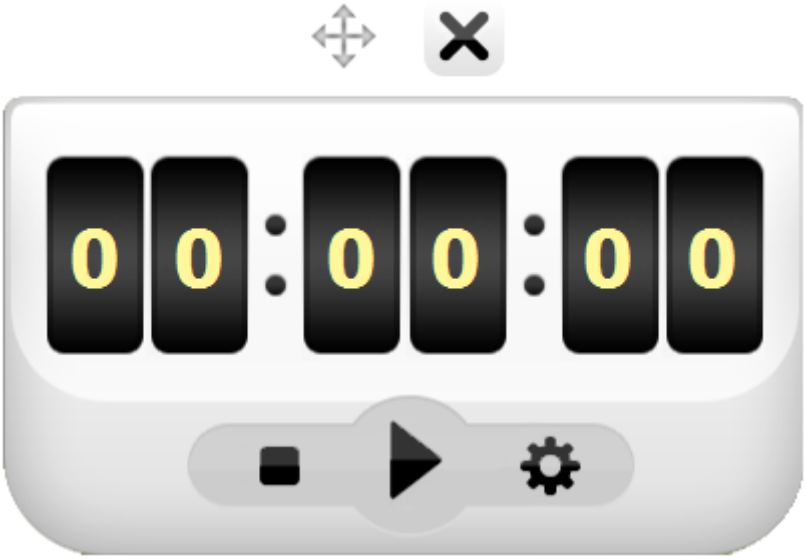


Figure 0-5

Use the gear cog icon to reveal to setting buttons:

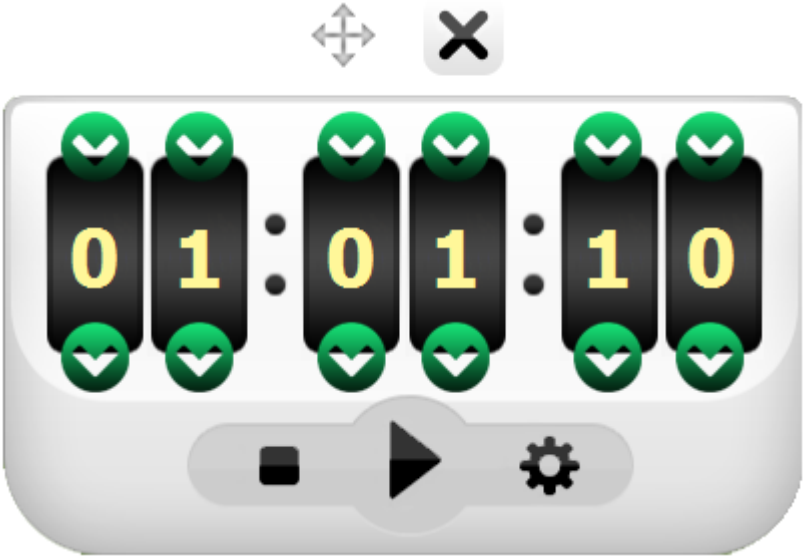


Figure 0-6

Click the Play button to start the countdown:

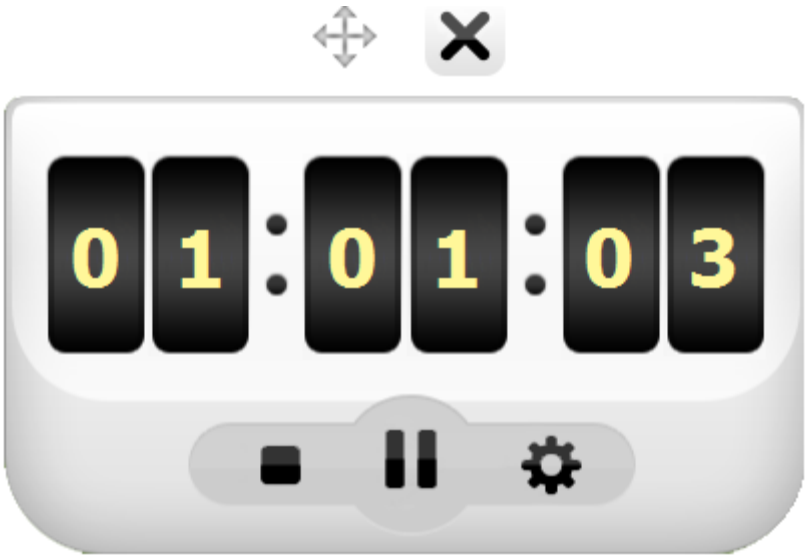


Figure 0-7

Pause and Stop buttons are also on the timer.

Use the Move Arrows icon to drag the Calendar to different positions.

Click the [x] in the bottom right to close the tool.

6.13 Page Replay Tool

The Page Replay Tool is new in IWBPro. It is used to replay the page creation from start.

To start the tool click the following icons:

When click the following controls appear:

Figure 0-8

These buttons are close, play, stop, adjust speed (x1, x2, x3, x4) and replay.

Click Play to start the replay.

Click the [x] in the bottom right to close the tool.

6.14 Pull Down Board (Board-in-Board) Tool

The Board-in-Board Tool is new in IWBPro. It is as an additional notes/reveal tool onto which notes can be written and pulled-down/up to reveal as and when needed.

To start the tool click the following icons:

When click the following controls appear at the top of the screen:

Figure 0-9

The ring is used to pull the board down (or push up).

The eraser button toggle between pen and eraser.

The save button allows the contents of the pull-down board to be saved as an image.

Click the [x] in the bottom right to close the tool.

7 Inserting Objects

The Inserts menu is used to embed various types of external objects and documents into the current document.

7.1 Insert Office Documents

IWBPro can import MS Office, OpenOffice, LibreOffice and PDF documents without requiring MS Office to be installed. The topic of importing these type of files has been covered in the document management section.

7.2 Insert Image

Images saved in files can be inserted onto the current page.

Click the following icons to insert an image:

The standard Windows select file dialogue box appears.

IWBPro support a much wider range of image formats than the old IWB.

Select the image file. The images is inserted on the current page.

The image can be rotated, moved, resized.

7.3 Insert Flash

Flash Shockwave files can be inserted onto the current page.

Click the following icons to insert a flash file:

The standard Windows select file dialogue box appears.

The type of file that can be inserted is SWF.

Select the file. The Flash icon is inserted on the current page.

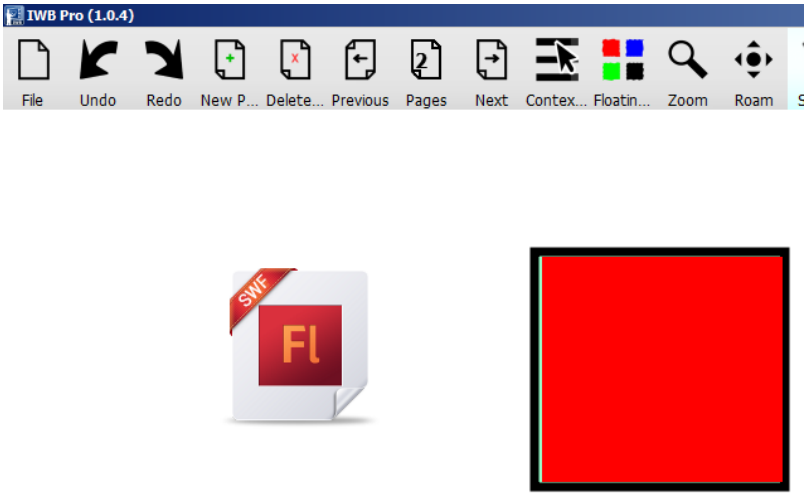


Figure 7-1

To play the file, select the object, then a little link icons appears under it:

Figure 7-2

This version of IWBPro uses the system default flash player app. In most cases this will be the browser (IE, Chrome). The Flash object will therefore be played in an external player. The example below shows the flash playing in Google Chrome.

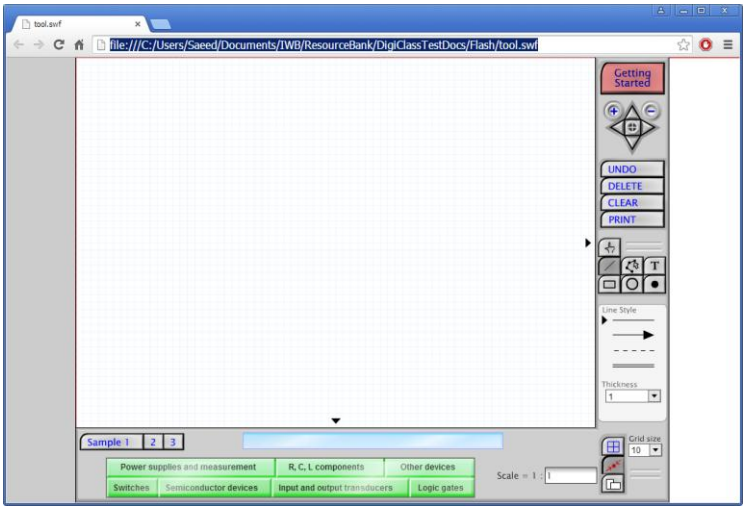


Figure 7-3

If the flash object is not played, it means that a default app has not been set to handle SWF files. The easiest way to set this is to use Windows Explorer to find a SWF file, double-click the SWF file, and Windows will prompt for an application to use to open the file. Select Google Chrome or IE, and check the "Always use this to open these files" option. IWBPro will then automatically open embedded Flash file when clicked

7.4 Insert Video

Video saved in files can be inserted onto the current page.

Click the following icons to insert a video:

The standard Windows select file dialogue box appears.

IWBPro support a much wider range of video formats than the old IWB.

Select the video file. The video is inserted on the current page.

The video can be rotated, moved, resized.

The embedded player has play/pause/stop/mute/snapshot buttons, and slider controls for volume and skipping frames.

7.5 Insert Chart

Data charts can be created and be inserted onto the current page.

Click the following icons to start inserting a chart:

The Chart Input dialogue box appears:

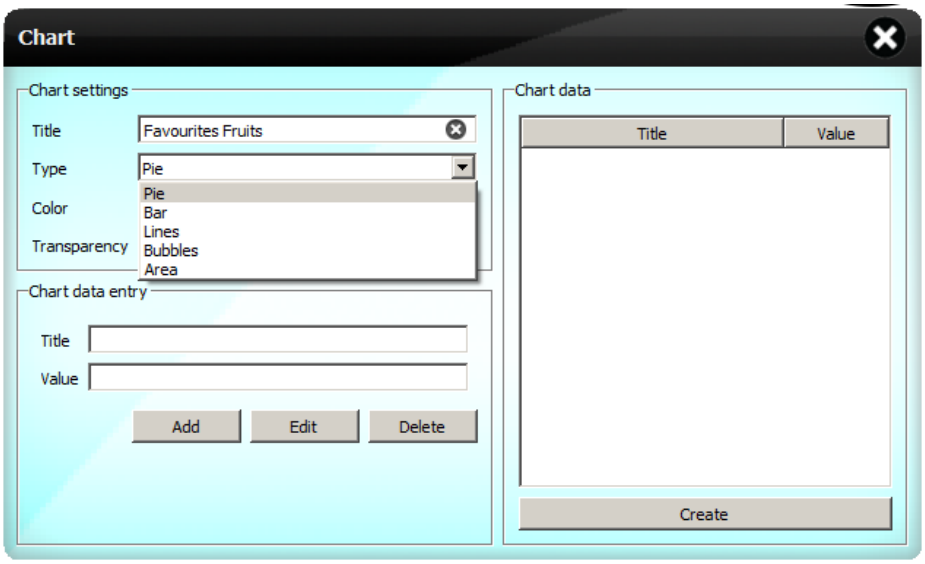


Figure 7-4

Enter the information, select the chart type, colour.

Then for each data value enter the name/title and value, e.g.:

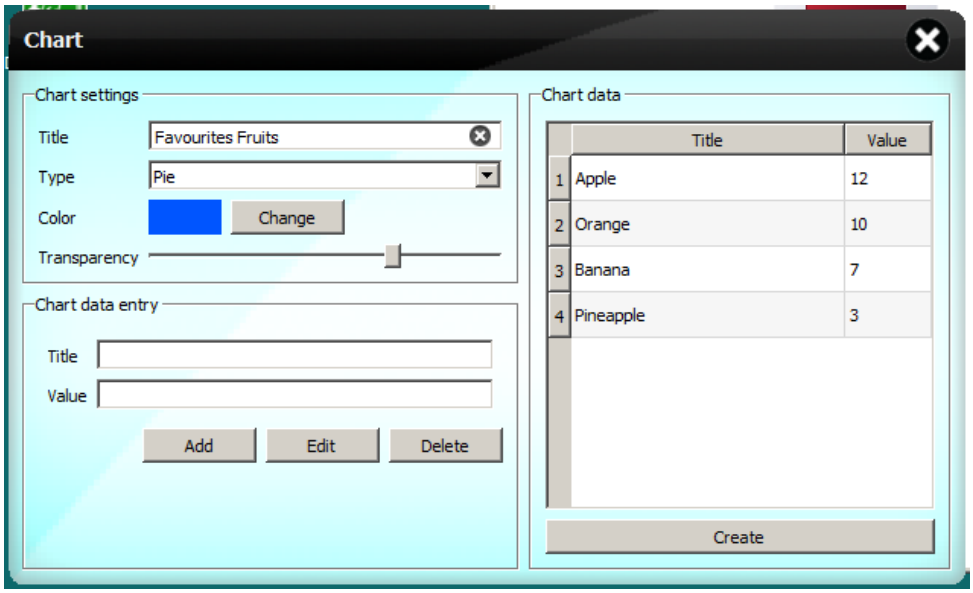


Figure 7-5

The following shows an example of the each type of chart using the chart data above:

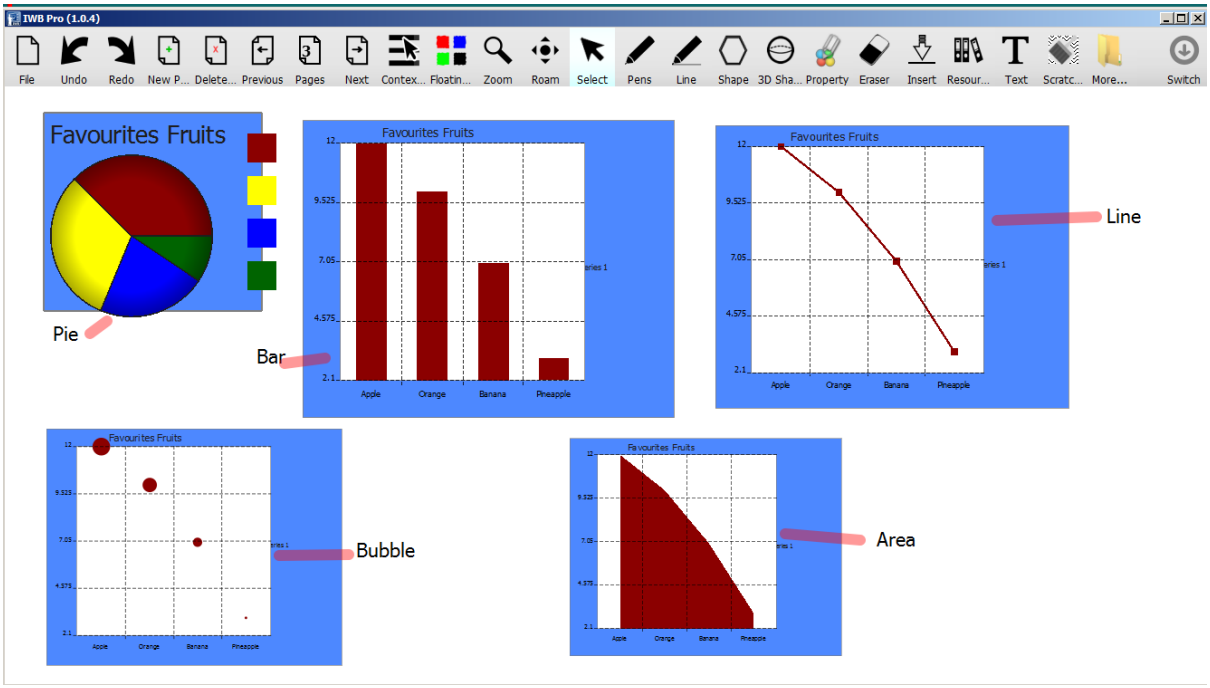


Figure 7-6

Once added, the chart can be handled just like any other image.

7.6 Insert Table

Click the following icons to insert a table:

The Custom Table dialogue box appears.

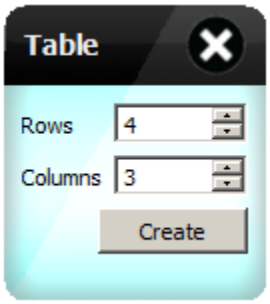


Figure 7-7

Specify the required grid size and click Create.

The new table is inserted on the current page.

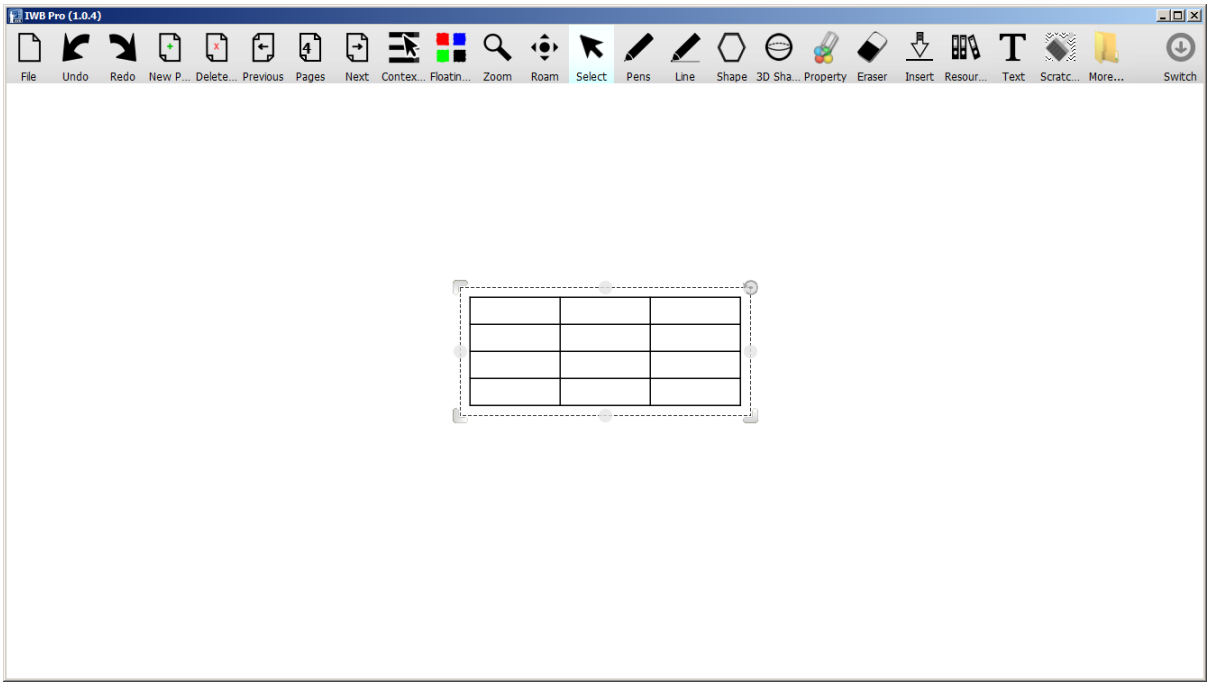


Figure 7-8

The table can be rotated, moved, resized.

Tables have their own properties which are used to amend the table. Right-click on a cell, or click within a cell and select the green down arrow to open the menu:

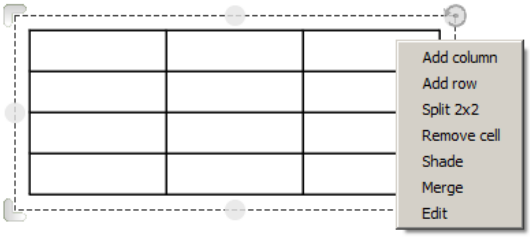


Figure 7-9

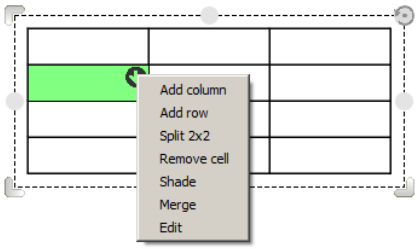


Figure 7-10

The menu reveals the following options that can be performed on the cell:

Menu Item	Function
Add Column	Splits the current cell into half by adding a vertical split.

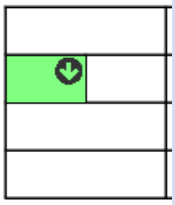
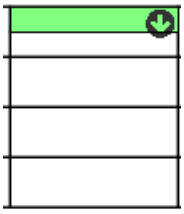
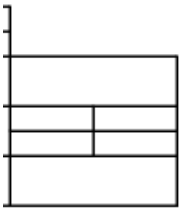
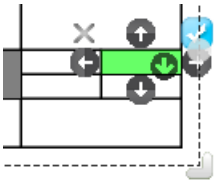
	
Add row	Splits the current cell into half by adding a horizontal split. 
Split 2x2	Splits the current cell into a 2x2 cell.
Remove Cell	Removes the current cell. 
Shade	Cover the current cell The menu option then change to "Unshade", and is then used to remove the cover.
Merge	Allow the current cell to be merged with neighbouring ones.  Click and drag the arrows to the required cell until the neighbouring cell turns green then release the arrow. When complete click the blue tick.
Edit	Enter text into the current cell

Figure 7-11

Another feature of IWBPro tables is that they can be used as containers for other objects.

For example create a 2x2 table, then use the pen tool to draw some shapes:

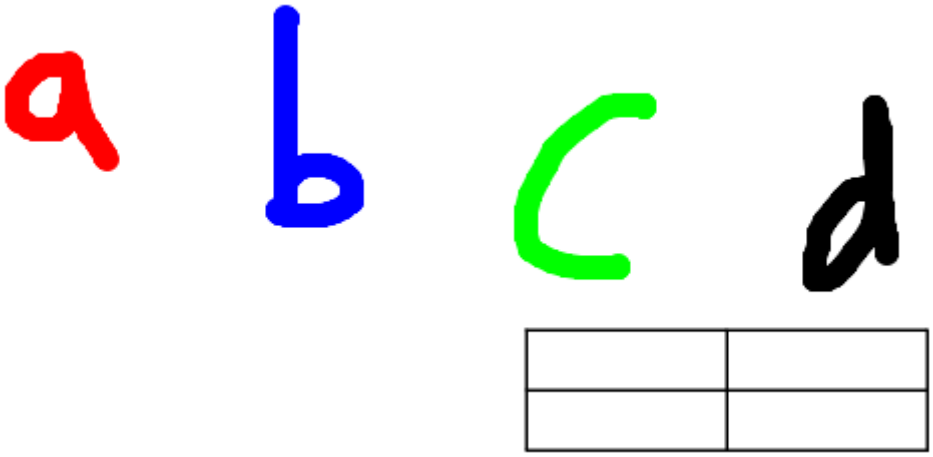


Figure 7-12

Now drag and drop each shape into a table cell, taking care to drop when the destination cell turns green:

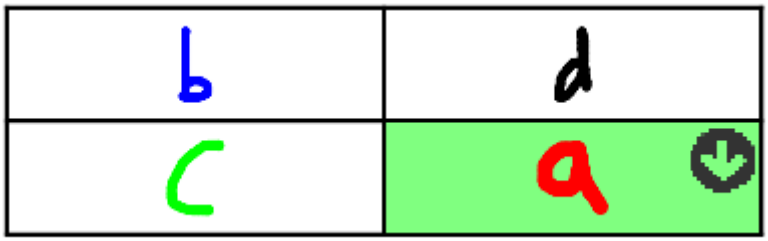


Figure 7-13

The objects become contained within the table.

7.7 Background Colour

Click the following icons to change the background colour:

The colour pallet dialogue box appears.

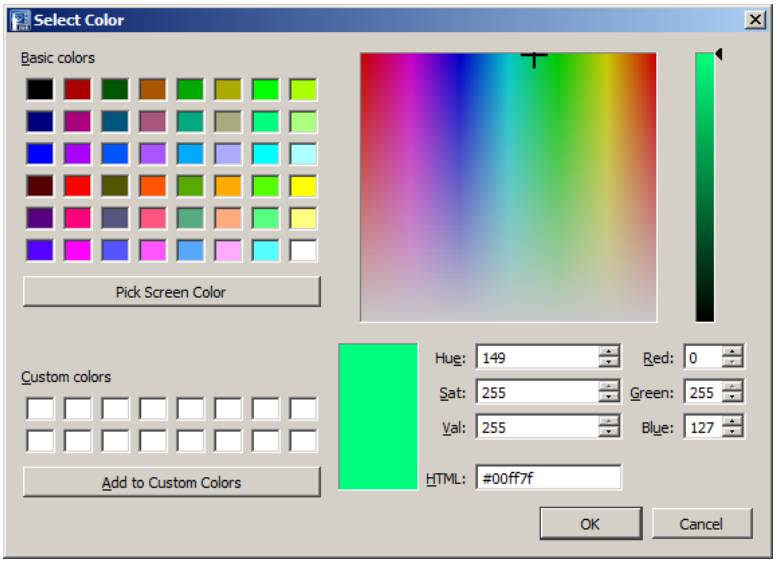


Figure 7-14

Specify the required colour and click OK.

The background colour of the current page is changed to that of the selected colour.

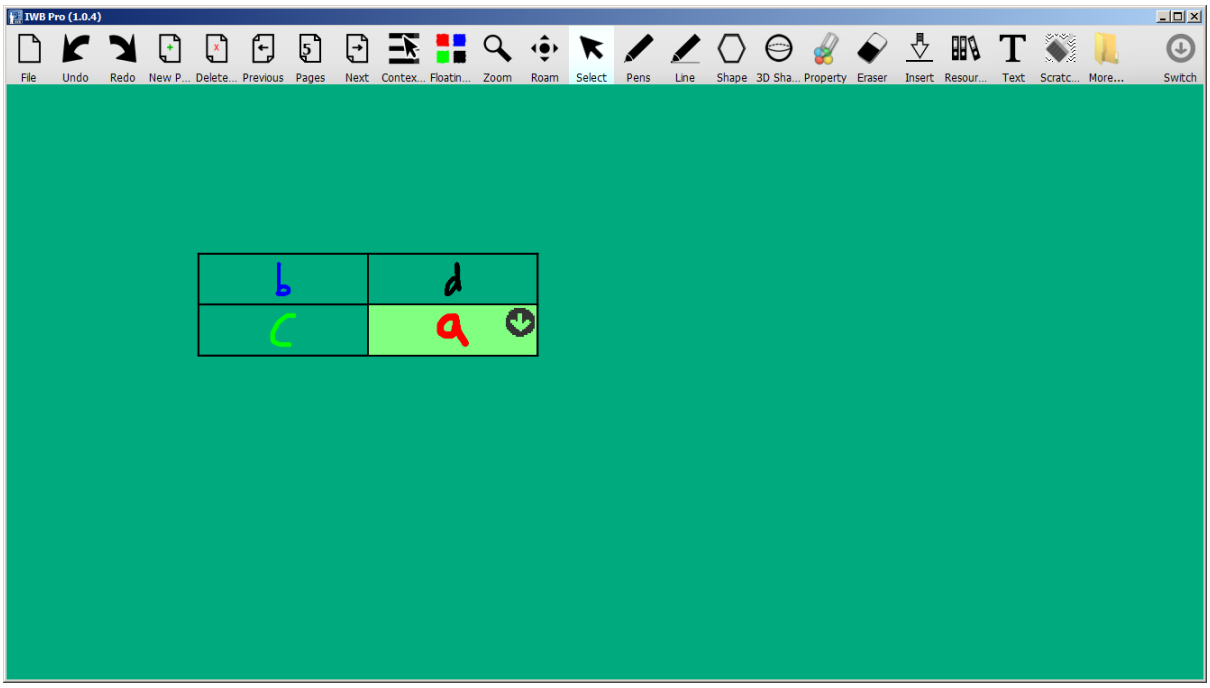
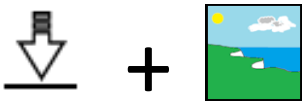


Figure 7-15

7.8 Insert Background Image

Click the following icons to insert a background image:



The background selector appear, with the "grid" section shown:

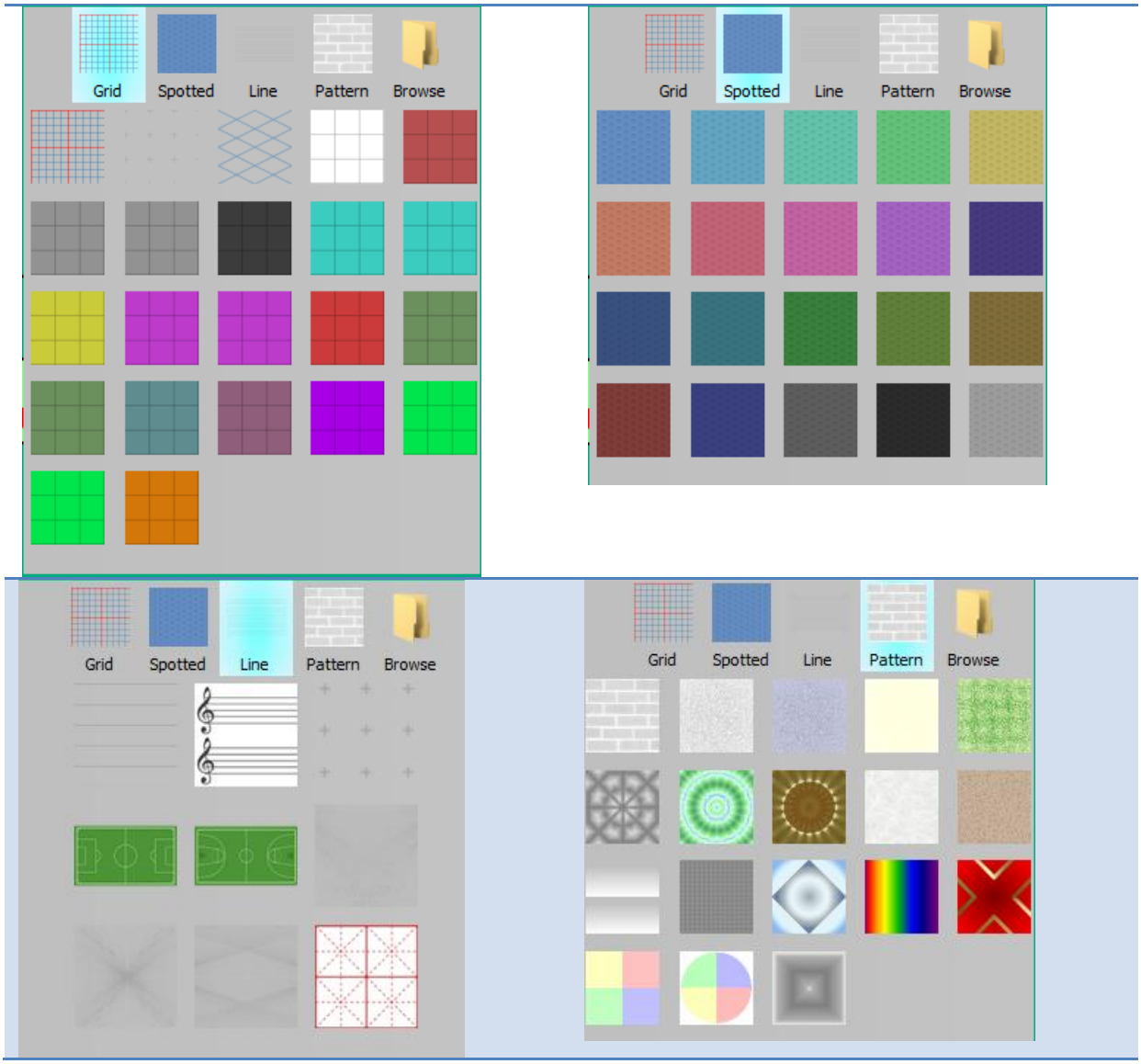


Figure 7-16

The "Browse" option opens the standard Windows file select dialogue box, allowing a image file to be selected for the background.

For handwriting and musical notes lined backgrounds the "Line" group has suitable choices:

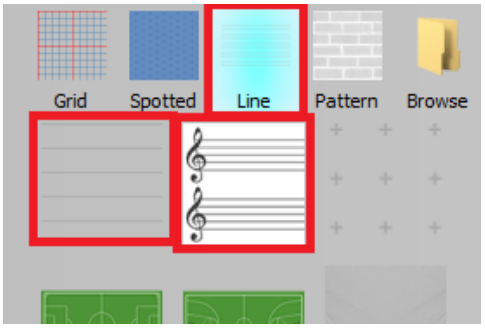


Figure 7-17

Select the required image and click OK.

Whether an image or one of the predefined backgrounds is selected, the effect is for the selection to be inserted as the background of the current page:

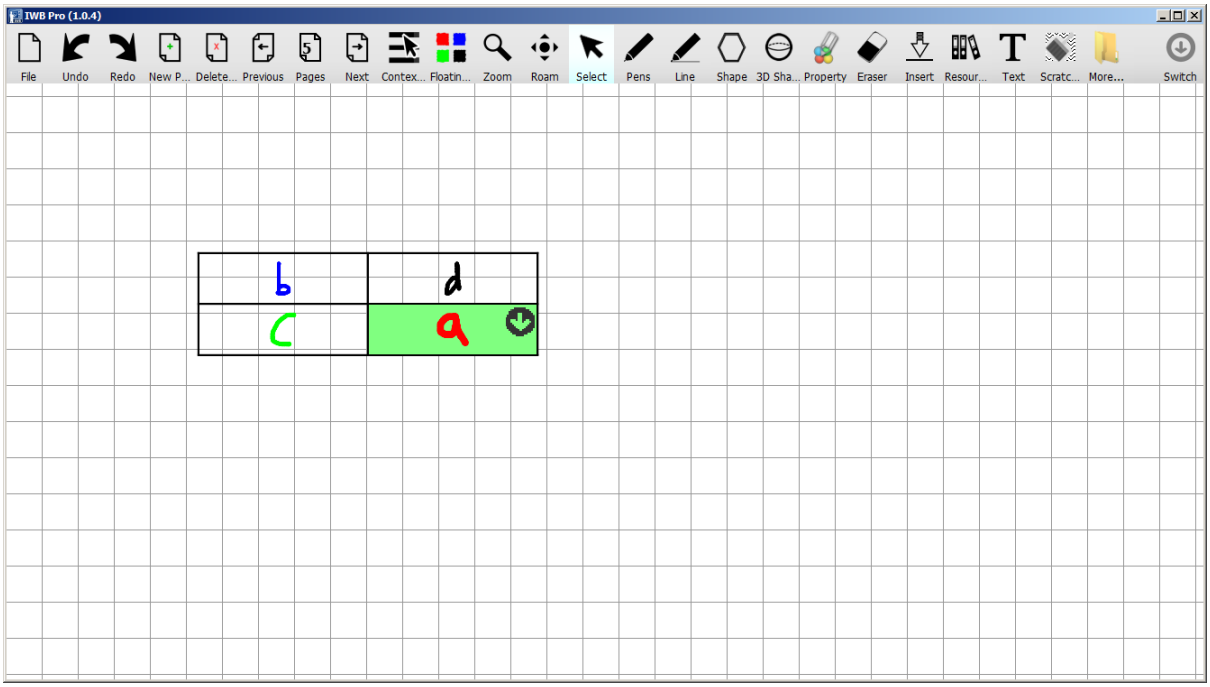


Figure 7-18

7.9 Clear Background

The background colour and image changes can be cancelled via the Clear Background icon as follows:

8 Context Menus

As well drawing and inserting objects, each object type has a set of properties and available actions via the Context Menu and property menu.

The Context Menu is displayed on the following actions:

Select Object then click .

Right-click, or on a touch screen click and hold.

The context menu options vary from one type of selected object to another, for example for a shape the "Fill Color" option is shown, for pen strokes the "Recognize handwriting" option is shown, for text the "Read Aloud" option is shown.

The following is an example of the context menu on an image.

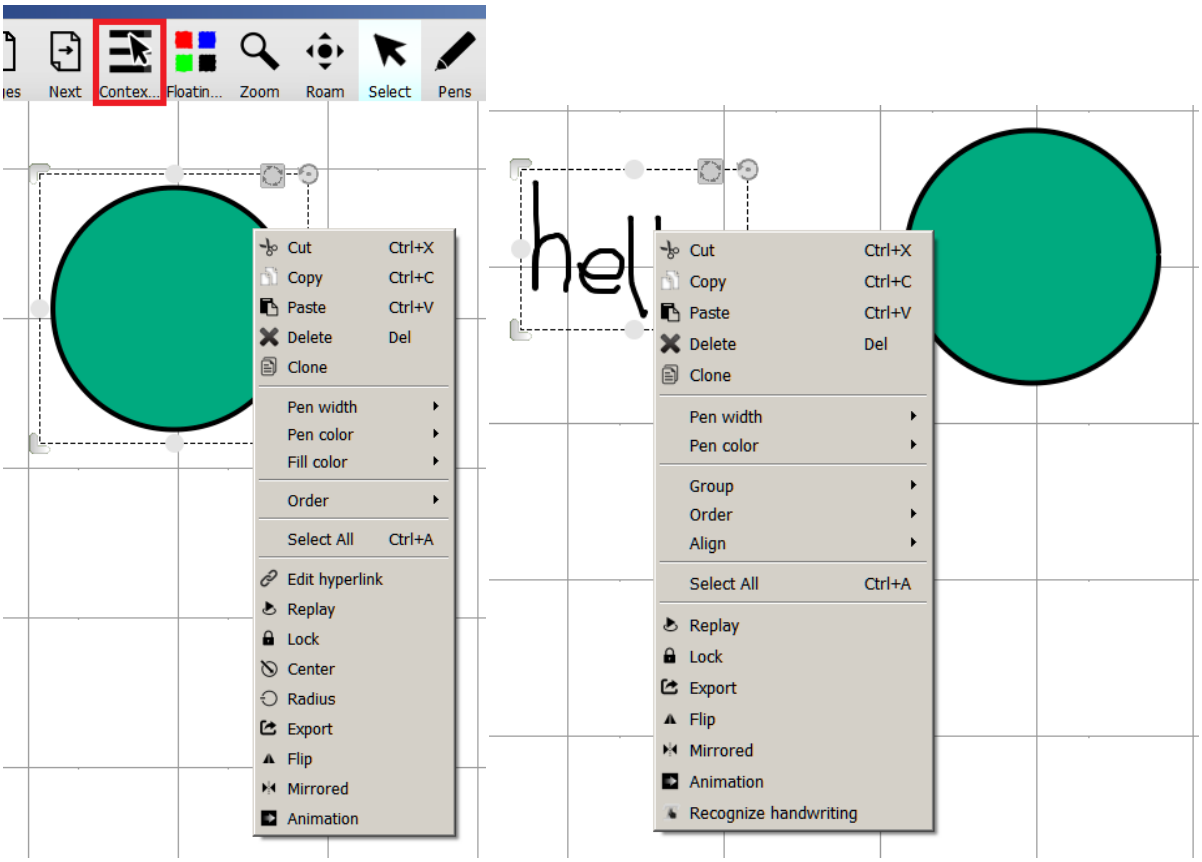


Figure 8-1

Each of the available options is described in the following sections.

8.1 Cut/Copy/Paste

These are the standard edit options. Images and text get copied to the Windows clipboard, but not objects such as shapes. The screen capture tool can be used to capture these as images.

8.2 Delete

Deletes the select object(s).

8.3 Clone

Shortcut copy and paste - creates a copy of the selected object.

8.4 Pen Width/Pen Color/Fill Color

Amend the pen stroke, colour and fill properties of the selected item.

8.5 Group/unGroup

Used to combine separately drawn object into 1. Ungroup separates them again.

8.6 Order

Defines the layering order of objects. Standard options are Bring Item to Top, Front, Back, Bottom.

8.7 Align

Allows the selected objects to be aligned relative to each other:

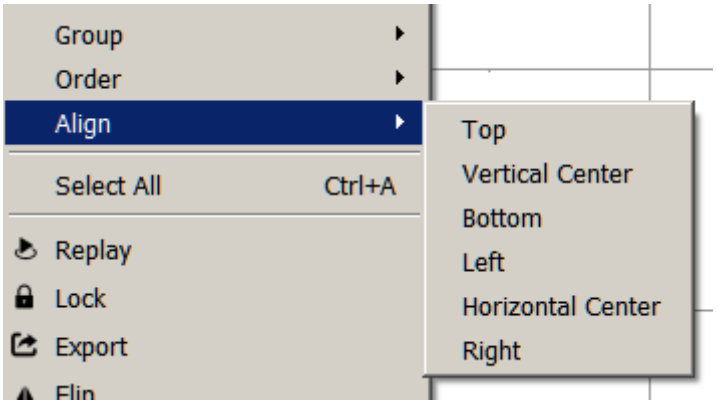


Figure 8-2

8.8 Edit Hyperlink

Hyperlinks combine external links and annotations from old IWB.

Click Edit Hyperlink to reveal to options:

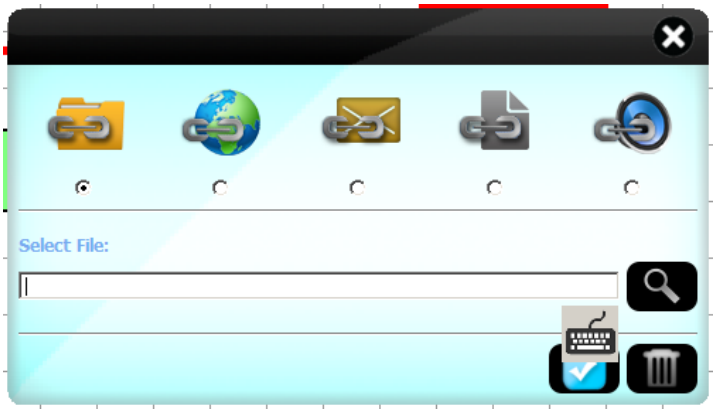


Figure 8-3

Each icon represents a particular type of link, as described below:

Icon	Function
	Select a file as the link. When the link is clicked the file is opened using the standard installed application for that file type. Use the search button to browse for the file.
	Specify on website URL/address as the link. When the link is clicked, the default browser opens to the link.
	This replaces the old IWB text annotation. Enter the text notes here and when the link is clicked the notes appear.
	Add a link to a page. When the link is clicked, IWBPro navigates to the target page.
	Audio file link. When the link is clicked the specified audio file is played.

Figure 8-4

When an object is clicked that has any of these links attached, a small link icon appears below the object, e.g.:

Figure 8-5

8.9 Replay

Similar to the Page replay tool, but this applies to the individual object. Selecting Replay reveals the following panel of buttons:

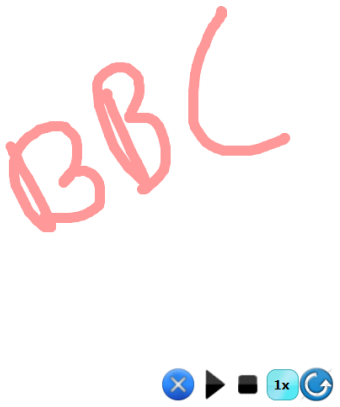


Figure 8-6

These work the same as with Page Replay described earlier.

8.10 Lock

When lock is clicked on an object the object cannot be moved or resized/rotated/deleted.

A lock icon appears on the object to denote it being locked:

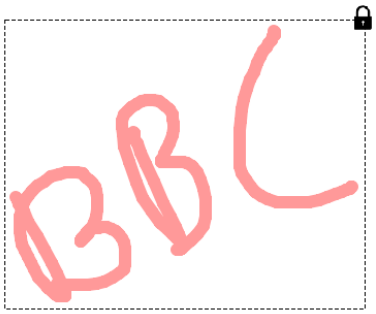


Figure 8-7

To unlock, click the lock icon.

8.11 Export

Selecting Export allows the object to be saved as an image file. The standard Windows save file dialogue opens.

When entering the filename for the exported file, the extension must be entered - this is how the format is derived.

8.12 Set As Background

Available for images only. Allows the selected image to be used as the current page background.

8.13 Flip

This options allows the object to be horizontally or vertically flipped:

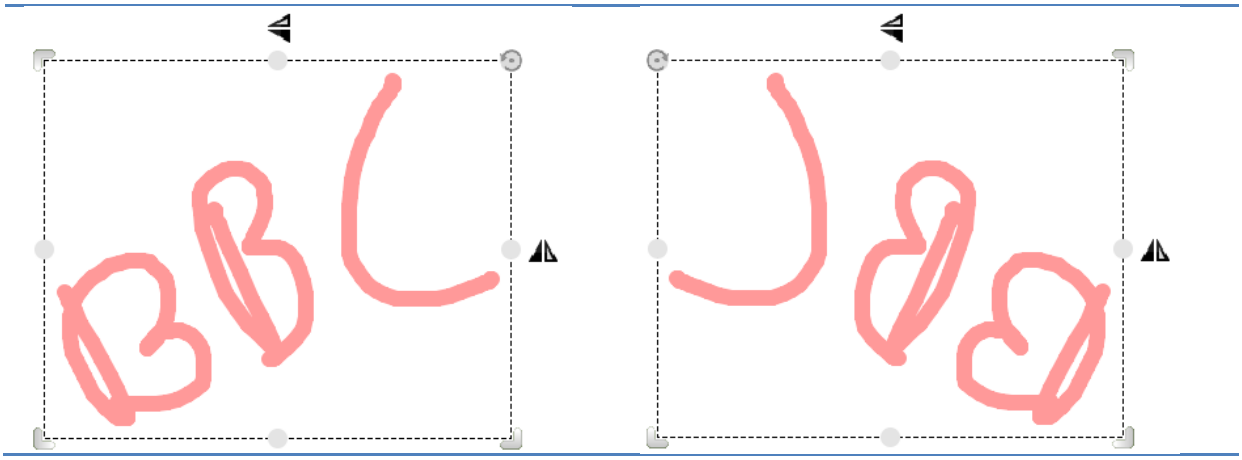
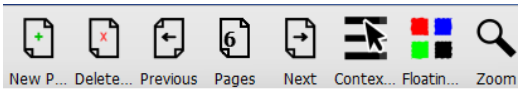


Figure 8-8

8.14 Mirror

Mirror creates a reflection of the object on the page:



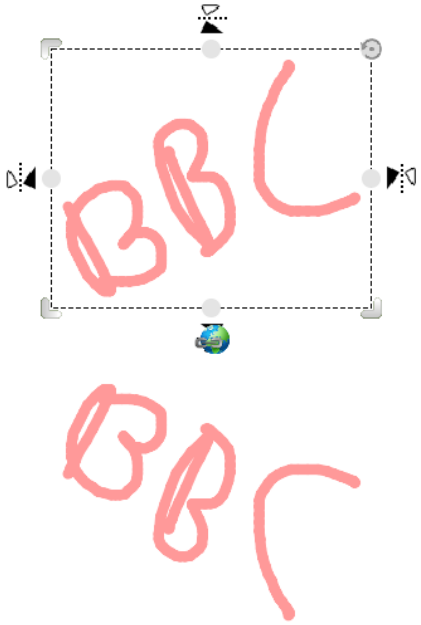


Figure 8-9

8.15 Animation

Animations are used to attach effects to objects. Clicking Animation reveals the following dialogue:

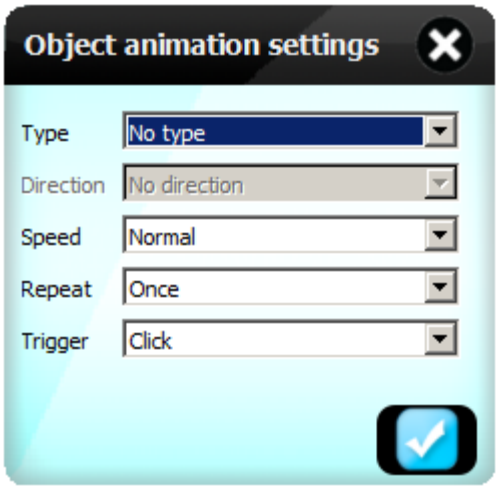


Figure 8-10

The effect type and related properties are set. The options are listed below.

Property	Value	Description
Type	Fade In	Object goes from invisible to visible
	Fade Out	Object goes from visible to invisible
	Fly In	Object flies in from the specified direction to its position
	Fly Out	Object flies out from its position out to the edge of the page in the specified direction
	Axis Flip	Object flips about a chosen axis
	Spin	Spins about its centre.
	Shrink	Shrinks
	Grow	Grows in size
Direction	Middle Horizontal, Middle Vertical, Left Edge, Right Edge, Top Edge, Bottom Edge	Applies to Axis Flip
	Top, Bottom, Left, Right, Top Left, Top Right, Bottom Left, Bottom Right	Applies to Fly In/Out
	Clockwise, Anti-Clockwise	Applies to Spin
Speed	Slow, Normal, fast	Speed of the animation
Repeat	Never, Once, Twice, 5 times, 10 times, indefinitely	How often the animation is repeated
Trigger	Click	Animation starts when the object is clicked
	Page Entry	Animation starts when the page is navigated to

Figure 8-11

8.16 Inscribed Circle

This applies on to the 2d triangle shapes. The diagram below shows what a triangle on the left, and the same triangle on the right with an inscribed circle:

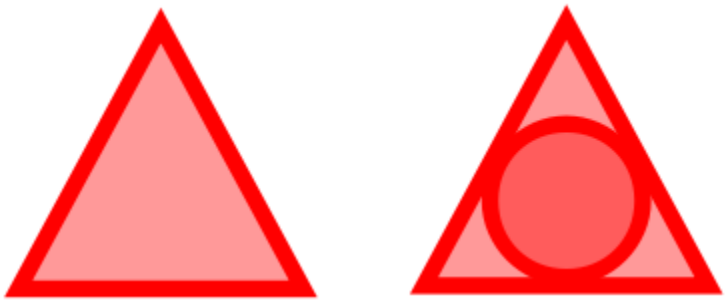


Figure 8-12

8.17 Radius

This applies only to the circle shape. The diagram below shows a plain circle on the left, and a circle with the "Radius" marked:

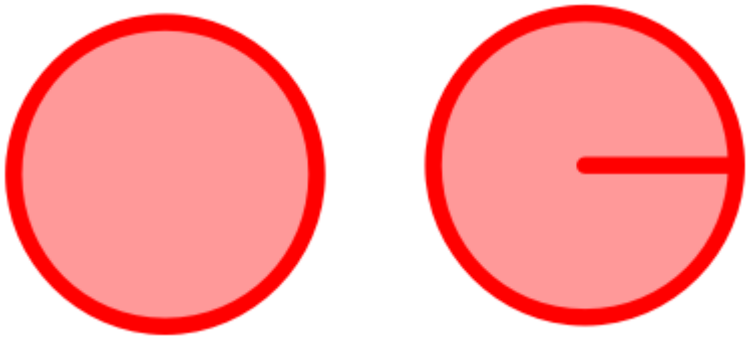


Figure 8-13

8.18 Centre

This applies only to the circle shape. The diagram below shows a plain circle on the left, and a circle with the "Centre" marked:

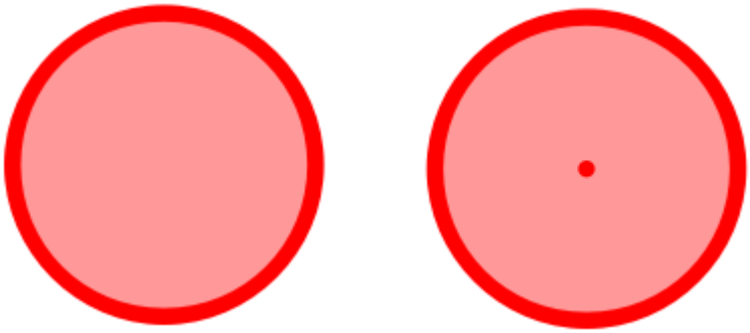


Figure 8-14

8.19 Edit Text

This applies to text object, and is used when the text needs to be amended.

8.20 Read Aloud

This also applies only to text. It reads out the text using the speech properties in the System Settings.

8.21 Recognise handwriting

Allows pen strokes to be selected and converted to handwriting.

9 Text Handling

9.1 Text Input Tool

Text can be input via the keyboard.

Click the Text icon:

The text box (dashed border) and font format dialogue box appears:

Figure 9-1

Type the required text in the box.

The font controls allows the font, style, size, colour, alignment of the text to be changed.

Click the down arrow to reveal additional formatting options:

Figure 9-2

9.2 Handwriting Recognition

Click the Text tool + icon, and write on the page the text to be recognised:

Figure 9-3

After a short pause the strokes are replaced with the text object:

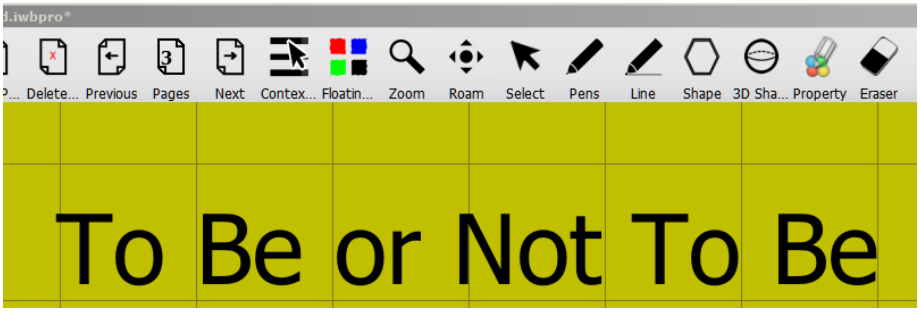


Figure 9-4

The text font, size and colour are set from the default text settings.

9.3 Speech recognition

The Speech Recognition is an experimental feature which will be refined in later versions. A more detailed description will be added when the feature is completed.

Click the Text tool + icon, to start the Speech Recognition.

Text input by Speech Recognition reads input from the microphone, and converts the capture audio to text.

10 iBT Menu

The iBT icon reveals a menu of miscellaneous configuration items:

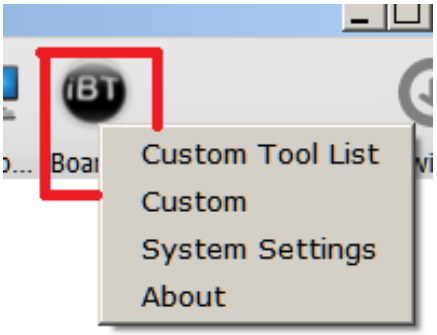


Figure 10-1

Each option is described below.

10.1 Help / About

The Help/About options display contact information for iBoardTouch.

10.2 Register

The register option open the registration windows - see "2.4.2 Registration Screen".

10.3 Custom Tool List

The Custom Tool List provide a means of adding external applications that can be invoked from IWBPro.

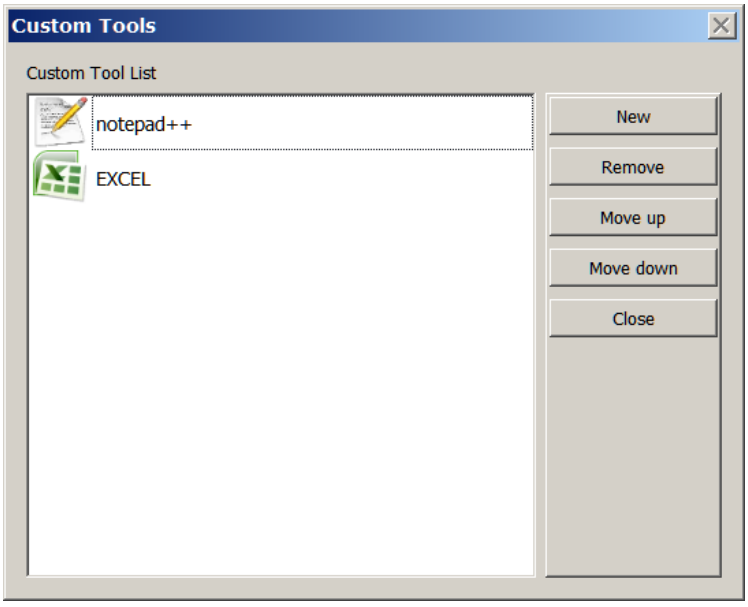


Figure 10-2

The above show an example with Notepad++ and Excel added.

To add a new customer tool, click "New". The new customer tool dialogue appears:

Use the [...] button the select the tool patch (the program "exe" file), choose and appropriate name.

Parameter and Work Path depend on the tool being selected as to the value. In most cases these are left blank. Remark is used for the "bubble-text" when the mouse hovers over the icon for the tool.

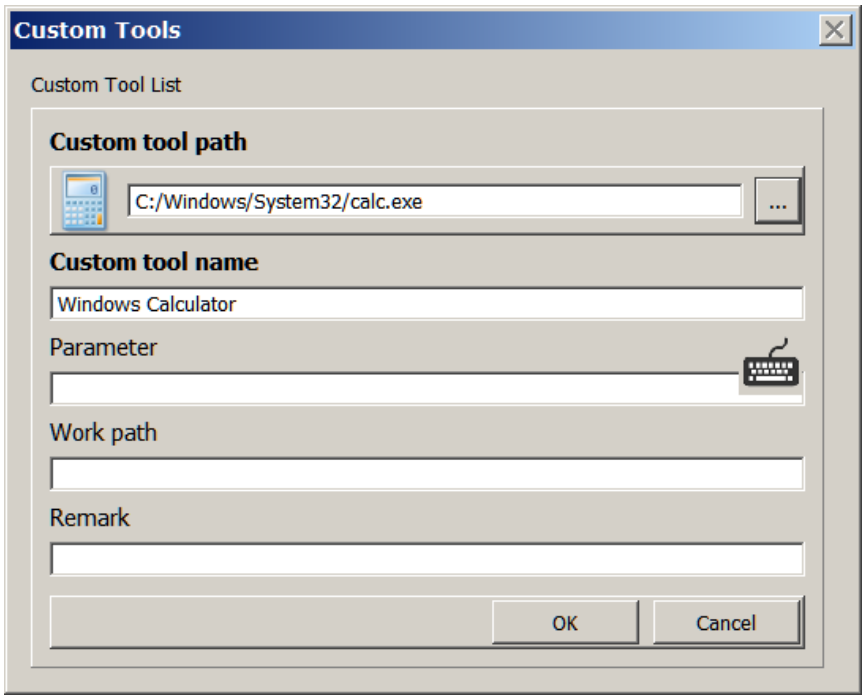


Figure 10-3

Once added, the tool can be run via the Custom Tools icon:

Figure 10-4

10.4 Custom

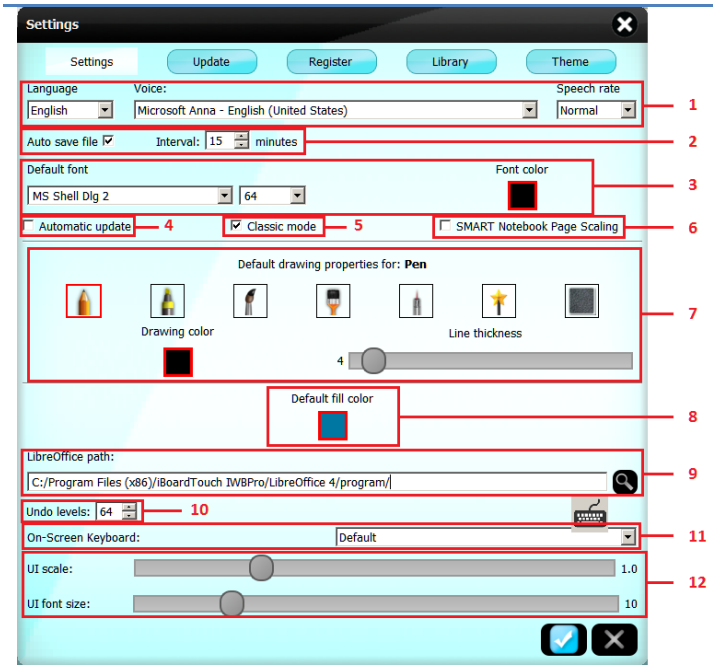
This option is reserved for future use.

10.5 System Settings

The System Settings dialogue contains user preference settings, and also has tabs for managing updates, registration and theme selection. Each of these has its own tab.

10.5.1 Settings Tab

The Settings tab is shown below.



1 Text "Read Aloud" language, voice, speed
2 File Automatic save enable/disable and interval
3 Default text font, colour and size
4 Enable/disable automatic software updates
5 Classic/Modern mode selection
6 Smart notebook page scaling enable/disable
7 Pen colour/size settings Shapes default colour properties
8 Default fill colour for shapes
9 Document handling location (not recommended to change)
10 Undo levels - the number of steps that can be undone
11 On-screen keyboard control - define whether the keyboard should always/never appear when text input is detected
12 Scaling of the User Interface and font - pertinent on smaller devices to make application easier to operate.

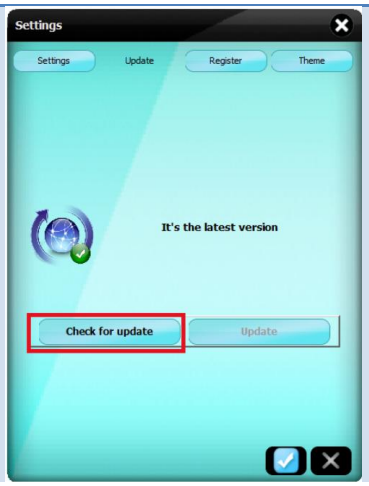
Figure 10-5

10.5.2 Update Tab

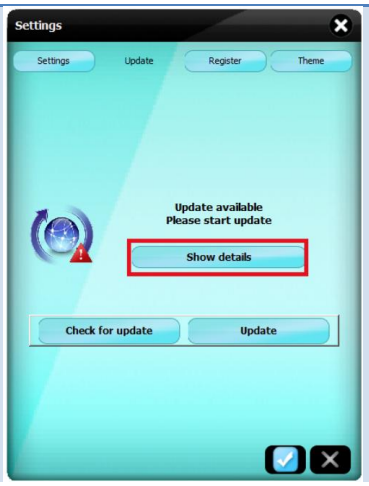
The Update tab is used to check for an updated version of IWBPro from the iBoardTouch download site.

Click "Check for update" to check for any updates ... this will cause the program to access the apps.iboardtouch.co.uk website:

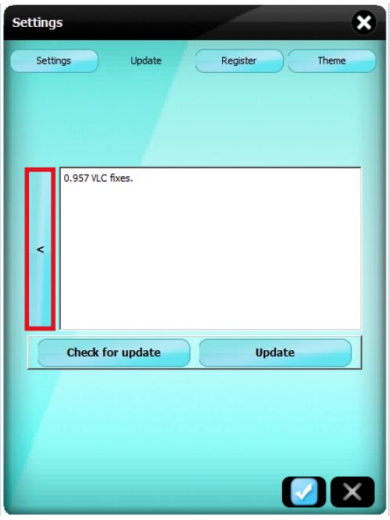
If the message says "Update available" it means that a newer version is available for download.



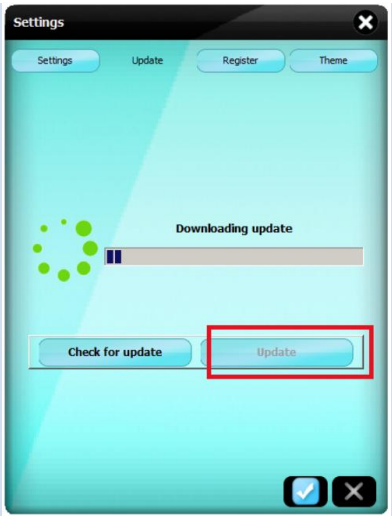
You can see what changes are in the updated by clicking the "Show details" button:



Click the return button, then click "Update" to start the update process. The first step is the application will download the setup file from apps.iboardtouch.co.uk:



Once the download completes the updater will run the setup file.



Click "Install" and the new version will be installed.

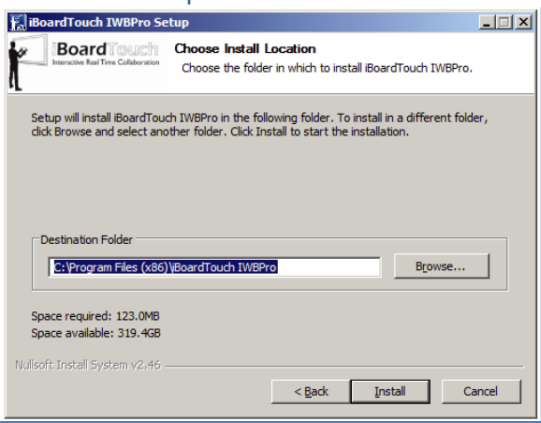


Figure 10-6

10.5.3 Register Tab

The registration tab was covered in the "2.4 Registration" section.

10.5.4 Theme Tab

The Theme tab is used to select alternative colour schemes for the User Interface. Alternative themes will be made available from the iBoardTouch website.

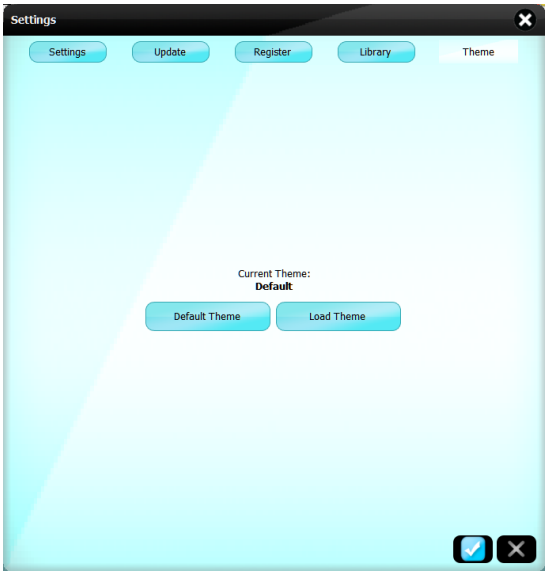


Figure 10-7

10.5.5 Library Tab

The Library tab is used to check for updates to the iBoardTouch Resource Bank for new items. The items consist of a clipart collection of images and resources, and are update regularly.

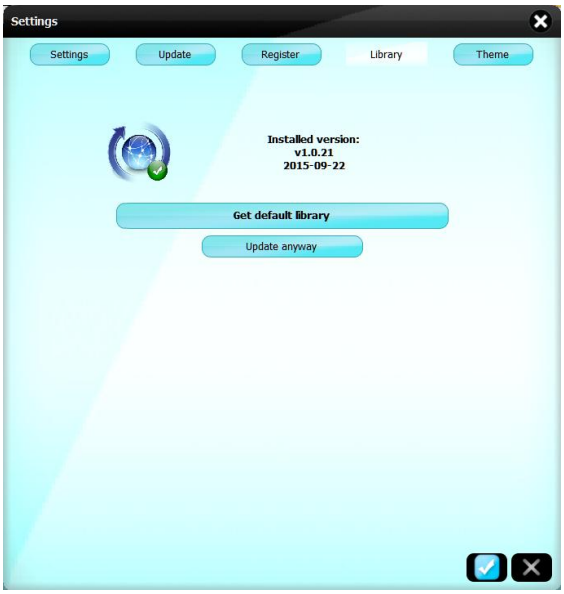


Figure 10-8

Click on Get default library to update the installed version.

The downloaded object is a ZIP file containing resource files (images, documents, etc). These get copied to the user's Windows Documents folder, under the folder that are displayed in the "My Items" resource bank, covered in the section "Resource Bank Drag and Drop".

11 Modern Mode

In this section the IWBPro Modern Mode is described.

The main difference between the Classic and Modern is in the User Interface, and the toolbars.

The tools themselves are similar if not the same between the two modes, i.e. the Maths, Others tools for example look and operate the same. In such cases the relevant section will be referenced rather than repeating the notes again in this section.

In Modern mode the toolbar is as follows:

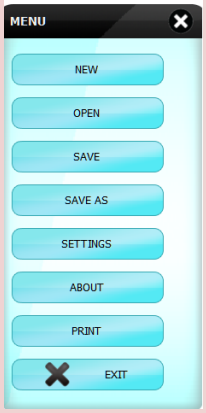
Figure 11-1

An example of how the Modern Mode looks is below:

Figure 11-2

11.1 Main Modern Toolbar

The Modern Mode toolbar icons and what function they provide are listed below:

Icon	Functions
	Displays the Navigation Menu - File, Save, Open, Exit, Settings: 
	Switch to Desktop Mode
	A selection of common tools on a floating toolbar for easy access
	Default mouse mode - select, click objects and functions
	"Pan" mode for easy click and scroll around the current page
	Choose pen style
	Choose line style
	Choose shapes like rectangle, circle, etc
	Choose shapes like cube, sphere, etc
	Add text/handwriting
	Fill object with chosen colour
	Add scratchpad over page objects to hide them.
	Select erase type

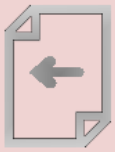
Icon	Functions
	Undo the last edit
	Redo the change that was Undone ("undo the undo")
	Show the tools panel
	Show the Drag and Drop from Resource Bank or folders. See "3.1.11 Resource Bank Drag and Drop".
	Quick zoom/roam tool
	Add a new page to the document
	The icon normally has the current page number overlaid on it. Shows the page navigator panel to allow page deletion, re-ordering and switching. See "4.8 Page Control".
	Show the previous page
	Show the next page

Figure 11-3

11.2 File/Navigator Menu

The File/navigator menu item is shown when the following icon is clicked:

The menu box appears:

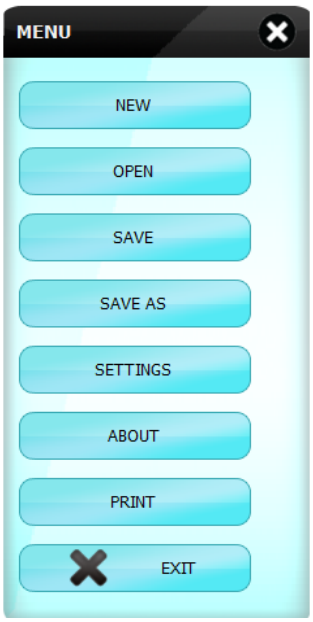


Figure 11-4

Each of the buttons and their function is described below:

Button Label	Function
New	Starts a new document. Prompts for saving current document.
Open	Opens another document via the standard File Open dialogue. See "4 Document Management Functions".
Save	Shows the standard File Save Dialogue with options to save as IWBPro or Notebook format. See "4 Document Management Functions"
Save As	Options to save as PDF, Image and IWBPro/Notebook. See "4 Document Management Functions"
Settings	Shows the Setting dialogue. See "10.5 System Settings".
About	Shows the About splash page. See "10.1 Help / About".
Exit	Exits the application.

Figure 11-5

11.2.1 Desktop Mode

The Desktop icon switches IWBPro into Desktop Mode. Here the Windows Desktop appears, as does the IWBPro Floating Toolbar (by default down the right hand side of the desktop):

Figure 11-6

When a desktop item is clicked, the toolbar shrinks to a single blue square to make it less obtrusive:

Figure 11-7

Clicking on the blue square reverts the toolbar back.

At the right and left most edges of the desktop (including extended desktops), the following will appear:

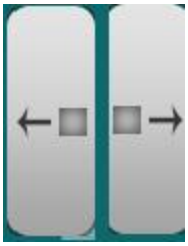
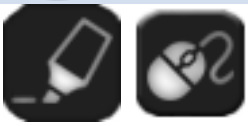


Figure 11-8

The toolbar icons and their functions are described below:

Icon	Function
	Click and drag the toolbar
	Toggle between highlighter and mouse. Highlighter mode allows for annotations on the desktop (as an overlay). Toggling to mouse enables the desktop to be controlled and operated as normal.
	Toggle between pen and mouse. Pen mode allows for annotations on the desktop (as an overlay). Toggling to mouse enables the desktop to be controlled and operated as normal.
	Toggle between eraser and mouse. Eraser mode allows for highlighter/pen annotations on the desktop to be erased). Toggling to mouse enables the desktop to be controlled and operated as normal.
	The screen grab button brings up the screen grab panel. This panel has already been covered in the "6.4 Screen Capture Tool" section.

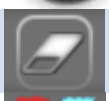
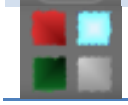
	Switch back to IWBPro.
	Page eraser deletes all objects on scene
	This is the one touch common item menu you can access through desktop

Figure 11-9

11.2.2 Common Items Toolbar

This tool is shown when the icon is clicked.

This tool was described in section "3.1.6 One Touch Common Items Floating Toolbar".

11.2.3 Select Tool

The select tool icon is:

When selected it operates in two modes. The first is object mode in which when clicked on an object it selected that object. The second is "sweep" mode where multiple objects can be selected by either encircling them, or tracing over them. The following shows the alternates ways that 2 objects can be selected (the box and the pen mark):

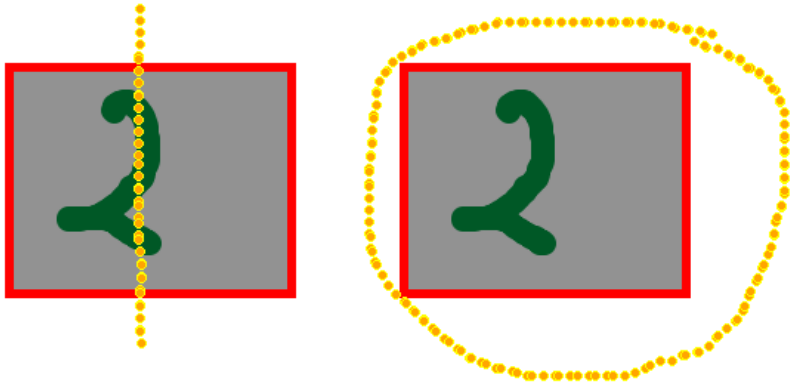


Figure 11-10

11.2.4 Roam Tool

The Roam tool icon is:

When clicked, the zoom icons appears on the toolbar:

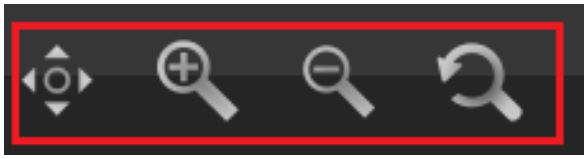


Figure 11-11

In roam mode, the page can be traversed by click and drag, zoom levels can be controlled by the pinch-zoom gesture, or by the zoom in/out buttons.

This is a reset tool where it will take you back to the default page zoom.

11.2.5 Pen Tool

The pen tool icon is:

This icon changes to reflect the current pen type selected.

The pen tool reveals the pen selection and properties panel:

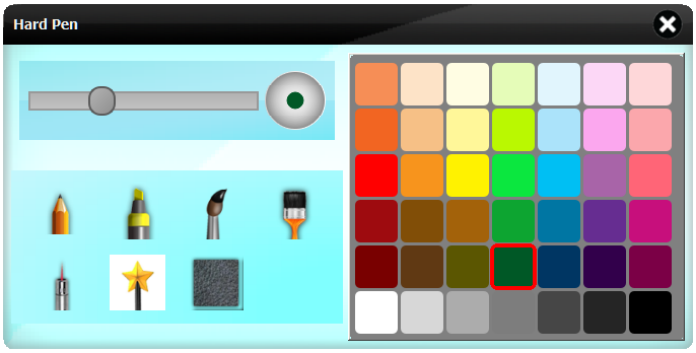


Figure 11-12

The slider control changes the nib size.

The colour pallet shows the available colours.

The pens show the different types of pens available:

Pen Type	Description
Hard Pen	Uniform width, rounded ends
Highlighter	Same as hard pen, but with transparency allowing it to be used as a highlighter
Chinese Brush	Angular
Paint Brush	Fixed angle
Laser Pen	Hard pen, but this fades out repeatedly
Magic Pen	Strokes are made from set icons strung together
Texture Pen	Rather like a scratch card effect with the pen strokes revealing the chosen pattern

Figure 11-13

The magic and texture pens do not have a colour pallet, but instead different properties that can be selected:

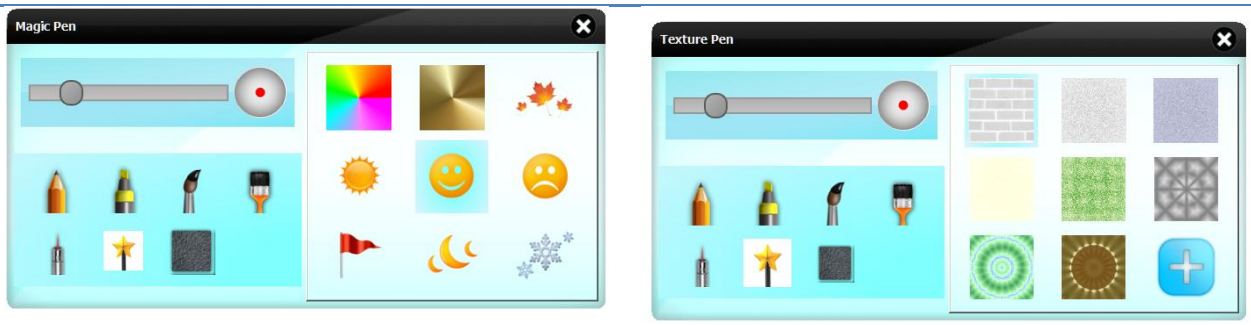


Figure 11-14

The following shows how the pen types differ:

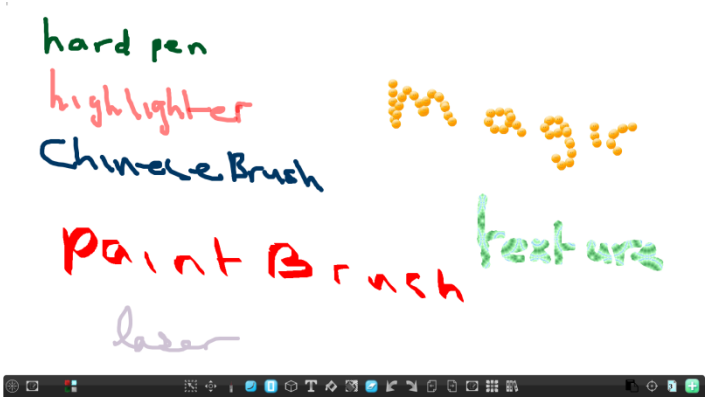


Figure 11-15

11.2.6 Line Tool

The line tool icon is:

This icon changes to reflect the current line type selected.

The line tool reveals the line selection and properties panel:

Figure 11-16

11.2.7 2D Shape Tool

The 2D shape tool icon is:

This icon changes to reflect the current shape type selected.

The shape tool reveals the shape selection and properties panel:

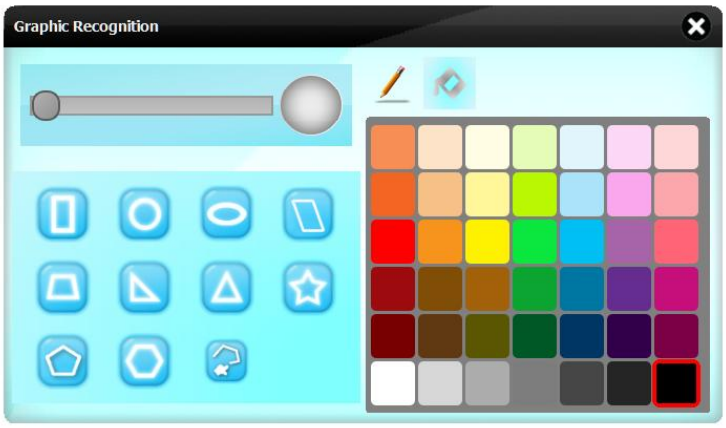


Figure 11-17

The slider control affects the line/border width when the line icon is active.

The slider control affects the fill transparency when the fill icon is active.

11.2.8 3D Shape Tool

The 3D shape tool icon is:

This icon changes to reflect the current shape type selected.

The shape tool reveals the shape selection and properties panel:

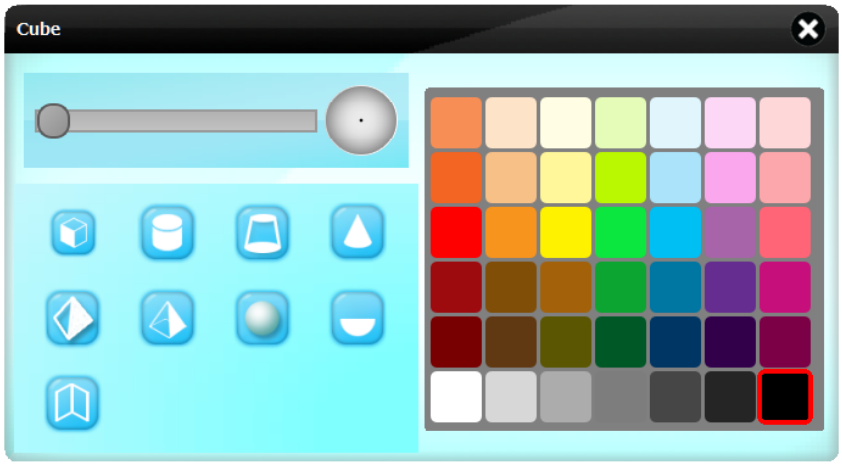


Figure 11-18

11.2.9 Fill Tool

The fill tool icon is:

This has a simple colour pallet as its property.

Figure 11-19

11.2.10 Scratch Card Tool

The scratch card tool icon is:

This reveals the scratch/scraper selection pallet:

Figure 11-20

This tool has been describe in section "3.1.13 Scratch Pad Menu Item".

11.2.11 Eraser Tool

The eraser tool icon is:

This reveals the eraser type selection pallet:

Figure 11-21

The different eraser types and their function are described below:

Eraser Icon	Function
	Erase small areas
	Erase object(s)
	Clear the current page

Figure 11-22

11.2.12 Lesson Tools

The Lessons Tools icon is:

When this is clicked the Lesson Tools panel is shown on the left side of the screen:

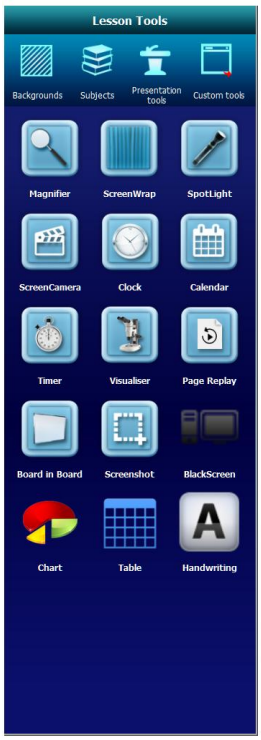


Figure 11-23

The panel has 4 sections: Backgrounds, Subjects, Presentation Tools and Custom Tools.

Each of these is described below.

11.2.12.1 Backgrounds

In the Lesson Tools panel, click the Background icon .

The background panel appears with the sections Solid, Grid, Spotted, Lined, Patterned:

Figure 11-24

Clicking on any of the background icons causes the current page background to be changed accordingly. The backgrounds are "tiled" with the selected icon, apart from the "Lined" backgrounds, which are placed at the origin of the page.

11.2.12.2 Subjects

The Subjects panel is shown by clicking the icon.

Currently the Subjects panel has two sections - Mathematics and Geometry - with tools for each subject.

11.2.12.2.1 Mathematics

The Mathematics subjects section tools are shown below:

Icon	Label	Description
	Function Graph	See "5.5 Function Graph".
	x-y Axis	See "5.7 Co-Ordinates Axis".
	Formula Recognition	See "5.6 Maths Formula".
	Calculator	See "5.8 Calculator".

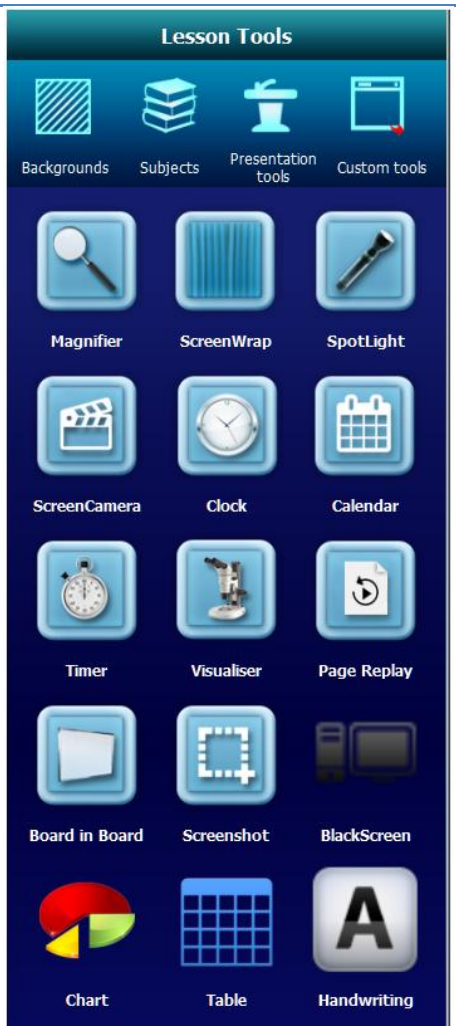
11.2.12.2.2 Geometry

The Geometry subject section tools are shown below:

Icon	Label	Description
	45 Set Square	See "5.2 Triangle 30º & 45º Set Square".
	30/60 Set Square	See "5.2 Triangle 30º & 45º Set Square".
	Ruler	See "5.1 Ruler".
	Protractor	See "5.3 Protractor".
	Compass	See "5.4 Compass".

11.2.12.3 Presentation Tools

The Presentation Tools panel is shown by clicking the icon.



Icon	Label	Description
	Magnifier	See "3.1.7.1 Magnifier Zoom Tool".
	ScreenWrap	See "6.9 Screen Wrap (Curtain) Tool".
	Spotlight	See "6.6 Spotlight Tool".
	ScreenCamera	See "6.5 Screen Recorder Tool".
	Clock	See "6.10 Clock Tool".
	Calendar	See "6.11 Calendar Tool".
	Timer	See "6.12 Timer Tool".
	Visualiser	See "6.7 Visualiser Tool".
	Page Replay	See "6.13 Page Replay Tool".
	Board in Board	See "6.14 Pull Down Board (Board-in-Board) Tool".
	Screenshot	See "6.4 Screen Capture Tool".
	BlackScreen	See "6.2 Black Screen Tool".
	Chart	See "7.5 Insert Chart".
	Table	See "7.6 Insert Table".
	Handwriting	See "9.2 Handwriting Recognition".

11.2.12.4 Custom Tools

The Customs Tool panel is a facility where links to external applications can be added, and then launched (e.g. MS Word, Excel, etc).

These are all user defined, so initially the panel is empty.

To add a Custom Tool click on Edit to display the Add Tool panel.

Use the Choose FIle button to locate the application (usually a ".exe" file).

Once saved the link to the application is available in the Customs Tools panel.

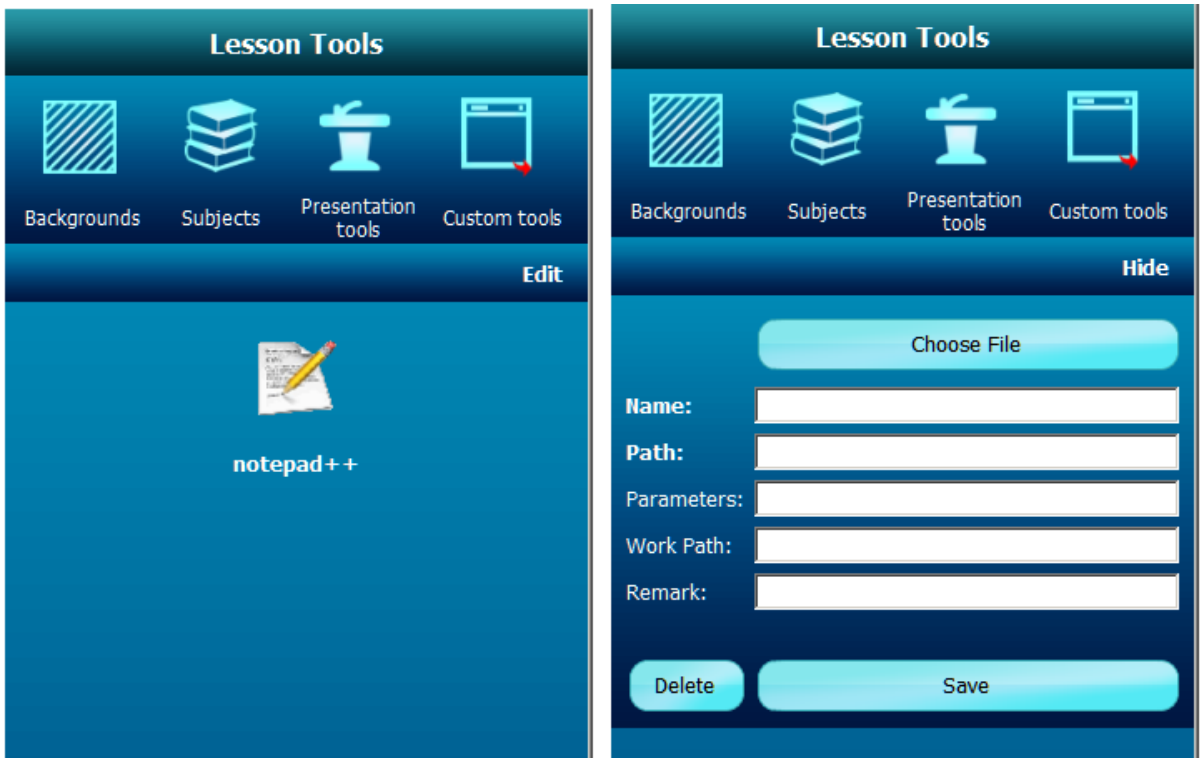


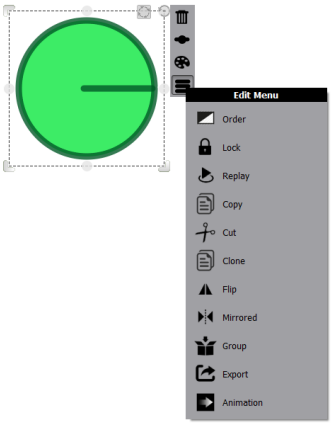
Figure 11-25

11.3 Modern Context Menus

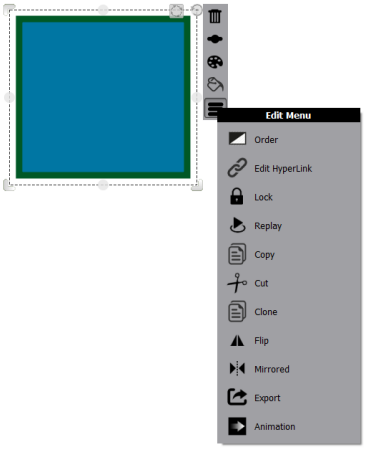
In Modern Mode the context menu appears when the object is selected.

The items in the menu may differ depending on the type of object selected.

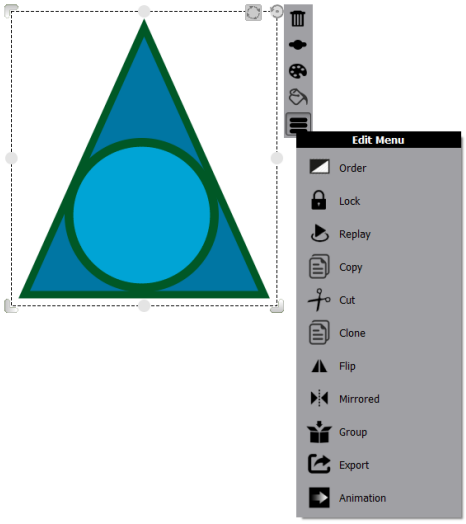
Circle	Rectangle



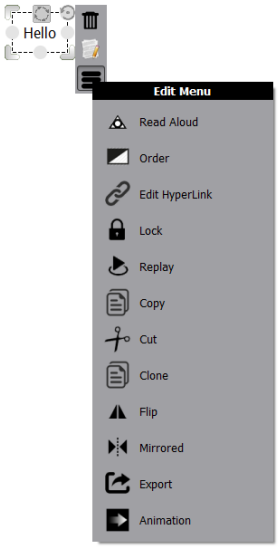
Triangle

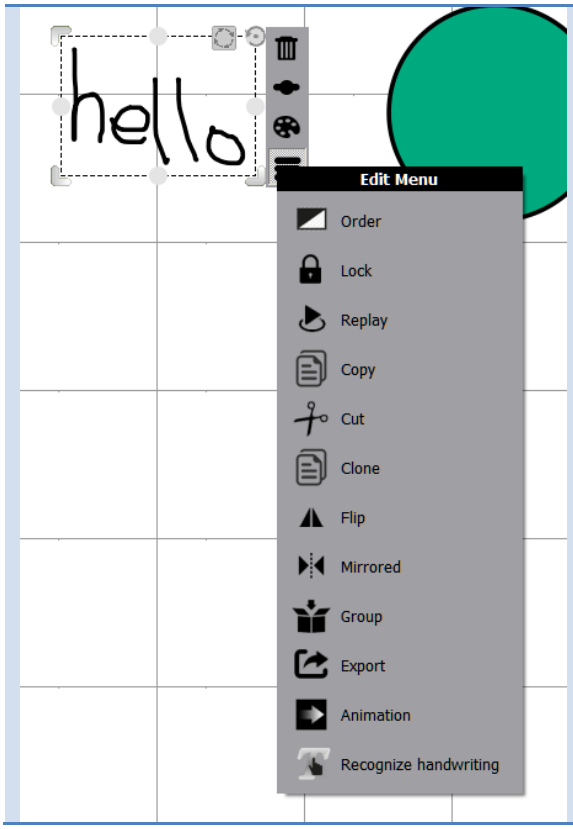


Text



Pen Stroke(s)





The table below lists the items and which type of object they pertain to.

Icon	Label	Function	Available For
	Clone	Copy-&-Paste selected object	All
	Copy to Document	Copy selected image to the document	Desktop Mode captured images
	Cut	Cut into clipboard	All
	Edit Hyperlinks	Hyperlinking	All
	Export	Saves current object as an image	
	Order	Set the layering order of overlapping objects.	All
	Group	Group separate selected object together	All

Icon	Label	Function	Available For
	Inscribed Circle	Adds an inscribed circle to the triangle	Triangle
	Lock	Locks the object	All
		Context menu	All
	Mirrored	Create mirrored copies of the object	All
		Fill Colour	Shapes, lines, pen strokes
		Line Colour	Shapes, lines, pen strokes
	Radius	Craws a line from the centre of the circle to the edge to mark the radius	Circle
	Replay	Replays the actions performed on an object.	All
	Flip	Flip an object horizontally/vertically	All
	Set as Background	Sets the selected image as the background, with a choice between tiled and padded.	Image
		Edit Text	Text
	Animation	Set animation effects on an object	All
		Delete the selected object	All
	Ungroup	Ungroups items that were grouped previously	Grouped Items

Icon	Label	Function	Available For
		Line Thickness	Pen strokes, line, shapes
	Recognize handwriting	Sends the selected pen strokes to the handwriting recognition and if recognised adds the text to the document	Pen strokes