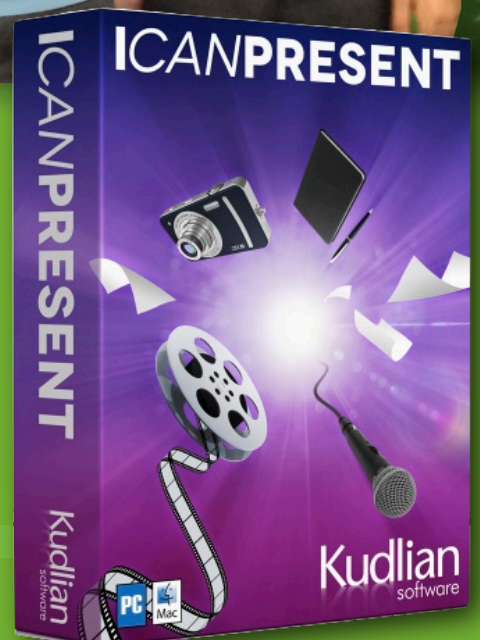


I CAN PRESENT

GREEN SCREENING



I Can Present Green Screening - Windows



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Introduction

- I Can Present is an exciting way to present information as a video. Using 'Green Screen' techniques, also known as chroma key, you can create and film your own presentations quickly and easily and then export a movie that gives similar results to those on the TV.
- I Can Present has been designed to ensure that with little previous experience, you'll be creating great looking presentations straight away.
- Create a series of slides choosing different backgrounds or import your own pictures.
- You can also add symbols by dragging them onto a slide. A variety of symbols are provided for various presentations.
- Add your own script. Enter your script into the teleprompter which automatically scrolls as you record your presentation.
- When you're ready for filming and you can choose to set up either for green screening, or for an outside studio broadcast.
- Movies are saved in a format that can be viewed on almost all computer systems and can also be imported into third-party *post production* tools where they can be prepared for publication for use on websites, entrance hall presentation screens and much more.
- We have also added in features that allow you to include news ticker and watermark.
- You can now bring presentations to life with I Can Present in your classroom.

This guide is for Version 2.0.0 or later.

Author: Roger Young MSc, Cert Ed.

System Requirements

A PC running either Windows XP SP 3, Vista SP1, Windows 7, Windows 8, Windows 10

CPU: Intel Pentium 4, 3 GHz / Athlon XP 3200+ equivalent or later.

Disk Space: 100MB of free hard disc space

Memory: 2 GB RAM, preferably minimum of 4GB

Video Card; Although not a requirement, this is strongly recommended for best results.

- 128 MB video memory
- Requires shader model 2.0
- DirectX 9 compatible recommended

If your video card does not meet the above specification then you can still use the application to create and edit the slides.

You are recommended to install the demonstration version before purchasing I Can Present in order to test your system, cameras and microphones.

Additional Requirements

A suitable USB web camera or firewire DV camcorder. Your hardware may require an additional firewire card to use a DV camcorder.

We recommend the use of a chroma key screen to get the most from this software. Visit the [Kudlian Soft Website](http://www.kudlian.net) <http://www.kudlian.net> for a range of solutions.

Installing the Software

I Can Present can be downloaded directly through our website. All updates are provided through our website. Network installers for Windows, and guides for installation, can be found in the support section on the I Can Present website.

It is a good idea to download the installer before running it. You will require admin access rights to complete the installation. Follow the prompts that appear on screen from the installer.

The I Can Present application requires Microsoft .NET 3.5 Framework SP1 to be installed. If this is not present then the I Can Present installer will prompt you to download and install it.

If you wish to deploy the application over a network please refer to these [notes in the Appendix](#) or those on our website.

By default, the application will be installed into:
C:\Program Files\Kudlian Soft\I Can Present

Getting Started

- To launch I Can Present choose the application from the **Start > Programs** menu.

Note: If you are intending to record your presentation straight away, it is a good idea to have your camera plugged into the computer and switched on before launching I Can Present.

The Main Window

I Can Present has two main windows:

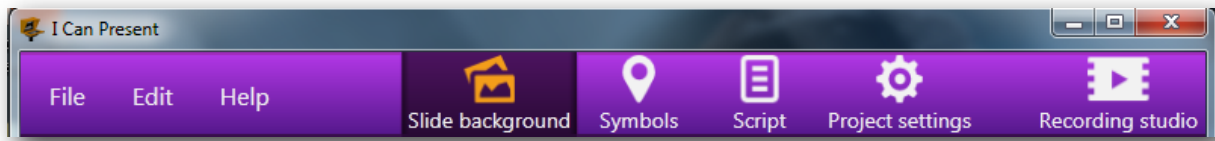
- The Slide Editor – Create and edit slides
- Recording Studio – Set up and record video

I Can Present starts by displaying the Slide Editor.



Creating and Editing Slides

Across the top of the screen is the Toolbar giving you access to the different features. By default you should have the *Slide background* selected.

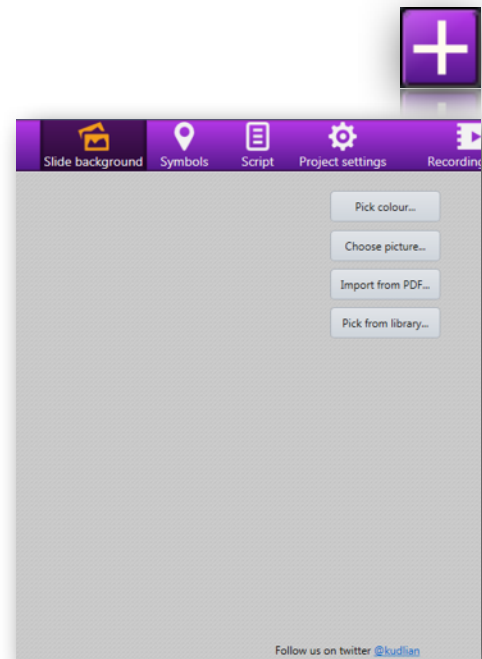


Slide backgrounds are the pictures you are going to use in the presentation. A few are supplied as examples. You can use any suitable pictures but make sure the pictures are as high a quality as possible as these will display better in your presentation.

Adding Slides

By default there will be one blank slide already in the slide view.

1. Decide which type of background you wish to use in your slide. You can choose from four options;
 - Colour - Allows you to select the background colour from the colour palette.
 - Choose Picture - opens a filer window to allow you to choose any picture.
 - PDF - opens a filer window to allow you to choose a PDF file. This could be a PowerPoint slide.
 - Pick from Library - These are the example backgrounds supplied with I Can Present.
2. Click the + button to add a new slide
3. The new slide automatically becomes selected and will be displayed in the preview area.



Deleting Slides

1. Select the slide to be deleted in the slide view at the bottom of the window.
2. Either click the - button or right click over the slide and choose **Delete** from the pop-up menu. The slide will be removed from your project.



If you have made a mistake and decide that you did not want the slide deleted, then it can be easily restored as I Can Present supports multiple undo and redo. This can be accessed through the **Edit** menu.

- Choose **Edit** > **Undo** from the menu bar to undo the deletion or use the keyboard shortcuts, **Ctrl Z** for undo and **Ctrl Y** for redo.

Pick a Background Colour for a Slide

A slide in the timeline can have a solid background colour instead of a picture.

1. Select a slide in the timeline to apply the colour to.
2. Click the **Pick Colour** button to open the colour palette.
3. Select a colour from the Colour palette or choose a custom colour.
4. Click **OK** to apply the colour.

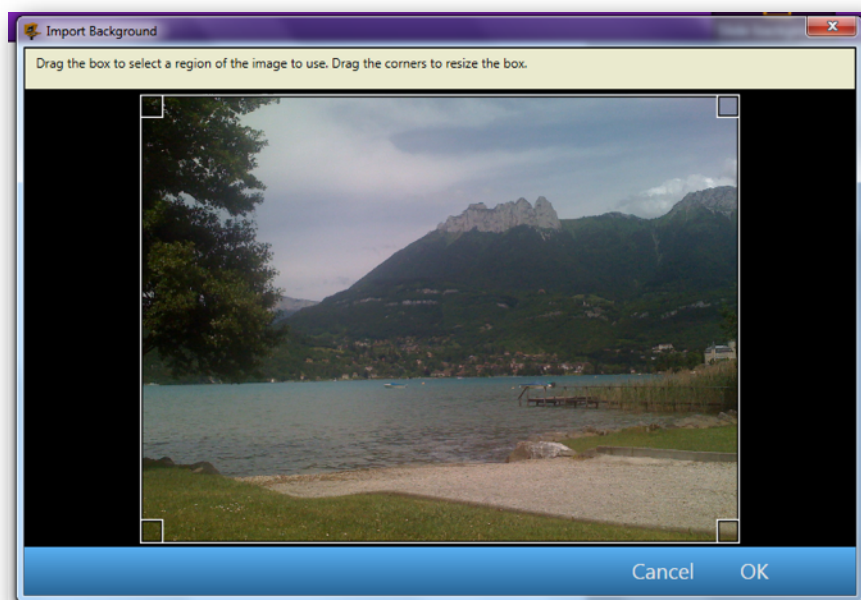
Importing Pictures to Slides

You can import most pictures into I Can Present as already indicated.



1. Select a frame in the timeline at the bottom of the screen.
2. Click the **Choose Picture** button.
3. A File Open dialogue will prompt you to navigate to the location of the picture file that you wish to import.
4. Select the file and click **Open**.

You then need to select the region of your image that you wish to display. I Can Present will allow you to import any picture.



Importing a picture

The 'wire' frame shows the area that will be used in your imported image. I Can Present will display this in the correct aspect ratio during your presentation.

Use the mouse to resize and position the frame to select the region to import.

5. Click **OK** to finish importing the image.
The image will be added to the currently selected frame in the timeline.

If this is not the background that you require at the beginning of your presentation then refer to the sections on [deleting and adding backgrounds](#).

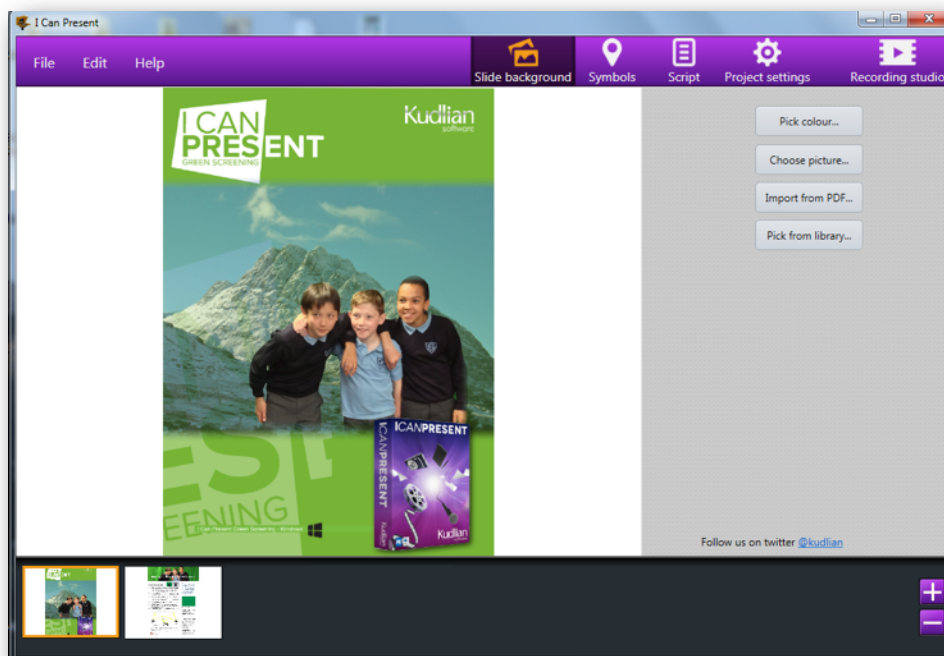
Import from PDF

You can import PDF files to use as backgrounds for your presentation. This is especially useful as it allows you to export and use files from PowerPoint presentations for example. PowerPoint slides are exported in Landscape format and are ideal for using in I Can Present.

If you import a portrait oriented PDF, it will be cropped to fit, as in the example below.

When a PDF file is imported import works differently from other background modifying buttons. The PDF import creates a new slide for each page in the pdf.

If the last slide in the project is blank, remove it, in fact any blank slide can be deleted.



Pick from library

Example graphics files are installed with I Can Present. By default this folder is installed to;

C:\Program Files\Kudlian Soft\I Can Present\Data\Library Images

To access these pictures;

- Click the **Pick from library** button.

A browser window will open allowing you to choose a folder and from within this, the picture file you wish to use.

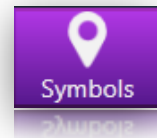
Adding Symbols to a Slide

The symbols are grouped by type and each group can be selected by clicking on the drop down menu. Symbols can be added to any slide.

There is a specific set of weather symbols that can be used in conjunction with the Maps that are installed in **library**.

To add a symbol:

- Click the Symbols button in the tool bar.



The Symbols Tool panel will be displayed.

- Click the disclosure arrow and from the drop down menu, choose a symbol set to use in your presentation



To place a symbol on your slide:

- Click and drag the symbol from the tool panel to the your slide in the preview area.

Don't worry if it is not exactly correct as you can move them around by clicking and dragging later.

Some symbols will animate once they have been dragged onto the slide.



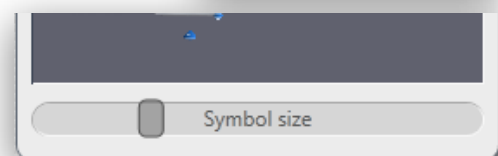
Deleting a Symbol

- Click on the symbol you wish to delete in the preview window, and then drag the symbol off the slide and release the mouse button.

Changing the Symbol Size

The size of symbols placed on the slide can be changed. This action will change the size of **all** the symbols on the current slide.

- Click on the **Symbol size** slider and drag it to the right to increase the size of the symbols and to the left to decrease the size.



Editing Symbols

Some symbols can be edited, for example temperature symbols.

Once the symbol has been dragged to the preview window, double clicking it allows you to edit any text in the symbol.

The editable symbols are **Temperature**, **Wind Speed**, **Labels** and **UV**.

Temperature

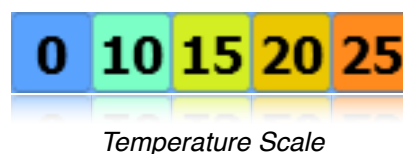
- Drag and drop the temperature symbol onto the slide in the preview window.

By default temperatures are displayed in degrees centigrade.

I Can Present can be [reconfigured to use a temperature range in degrees Fahrenheit](#). By default if installed to a computer with region set to US, the default will be in degrees Fahrenheit.

Category	UVI range	Colour
Low	0 to 2	Green
Moderate	3 to 5	Yellow
High	6 to 7	Orange
Very high	8 to 10	Red
Extreme	≥ 11	Purple

Double click the temperature symbol, and type in the value you require. The colour of the symbol will change according to the temperature you enter.



Left and Right Justified Pin Labels

These labels have a drop pin that can be placed at a particular location. When you then double click on the label's text it will become highlighted and you can then enter the text of your choice.



Wind Speed

The wind speed symbol can be changed in a similar way to all other editable symbols.

1. Drag and drop the wind speed symbol onto the slide.
2. Double click on the symbol, you can now enter your wind speed.
3. The symbol can also be rotated to show the wind direction.
4. Click and hold down the mouse button on the direction arrow, and rotate it until it points in the required direction.



UV Categories

The UV symbol also has an editable field that is edited in the same way as the other symbols. This symbol changes colour depending on the values entered.














The UV index shows the risk associated with being outside in the sun with uncovered and unprotected skin. Normally either shown as a coloured symbol or numerical value or both.

The range for UV symbols is shown in the table opposite;

It is important however to assess risk levels that you know your skin type.

WARNING: The table below is only a guideline and you should seek professional advice on your skin type to ascertain your risk. You should always take adequate protection against damaging your skin through exposure to UV.

Index	White Skin Easily Burnt	White Skin Easily Tans	Brown Skin	Black Skin
 	low risk	low risk	low risk	low risk
  	medium	low	low	low
  	high	medium	low	low
 	very high	high	medium	medium
	extremely high	high	high	medium

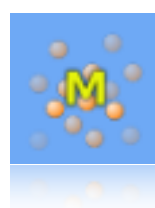
[BBC Sun Index](#)

Pollen Levels

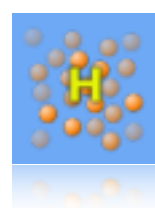
The pollen symbol shows the level of pollen in the air. There are four levels of pollen count that you can place onto your slide.



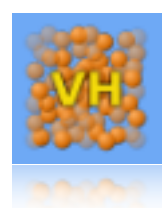
Low



Moderate



High



Very High

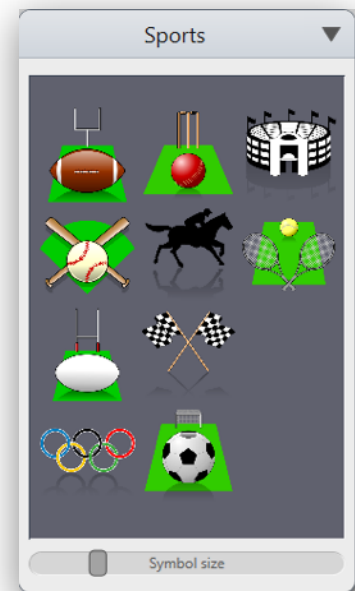
Sport Symbols

Other symbols include a number of different sports symbol that can be used in conjunction with the backgrounds and other symbols.

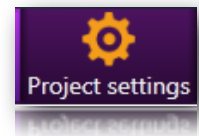
These can be accessed by clicking on the drop down menu in the symbols library and choosing **Sports** from the list.

Drag and drop the symbol you require onto the slide.

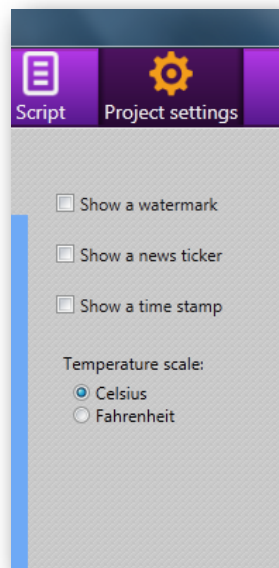
The symbol can be repositioned on the slide by selecting it with the mouse and dragging it to the new location.



Project Settings



Click the Projects settings button in the Tool bar to open the settings panel.



Show a Watermark

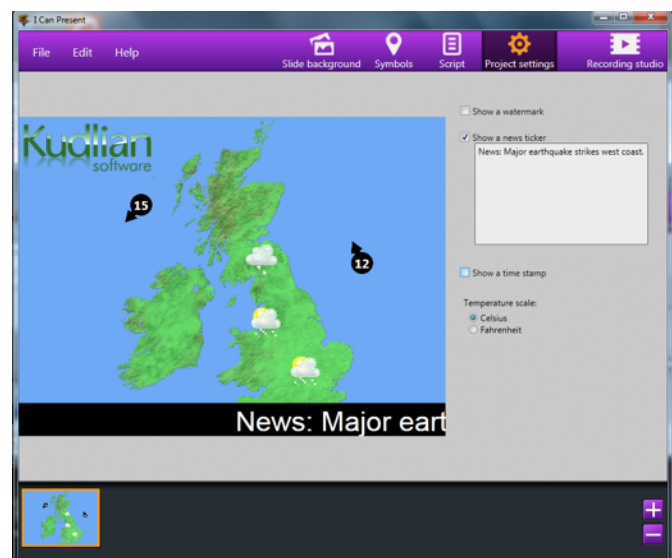
This allows you to import and position a watermark on your presentation. The watermark could be a group, school, or company logo and can be positioned in one of the four corners of the screen. An Image with a transparency works well.

Click the **Choose image** button to access a browser window allowing you to navigate and select your logo.

Show a news ticker

Inserts a news ticker at the bottom of the screen and displays a writeable field where you can type your 'stop press' news bulletins or information.

Items placed on a separate line will be split in the news ticker by a bullet point.

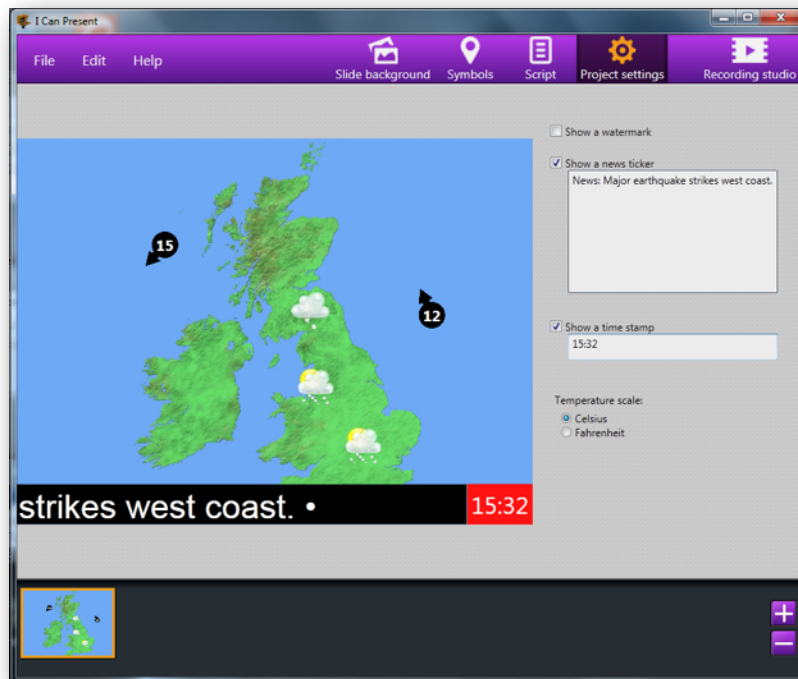


I Can Present showing News ticker and watermark in the top left corner.

Breaking News • Earthquake 8.4 • Temperatures soar into the h

Show a time stamp

Adds a timestamp to the bottom of the screen. A writeable field allows you to insert any time you wish.



Changing the Temperature Scale

I Can Present is configured to start up using degrees centigrade, unless your computer is configured to the United States regional settings.

The settings panel allows you to change this manually for the project you are working on by clicking on either the Celsius or Fahrenheit radio buttons.

Values in the symbols will then be automatically converted.

Writing a Script

I Can Present has an inbuilt teleprompter allowing you to enter a script for each individual slide.

The text can be entered in any language, and may also be cut and pasted from another application.

1. Click on the **Script** button in the Tool bar.

An empty editable frame will appear in the Tool panel.

2. If you have already typed your text for the slide you are creating into a word processor, then copy and paste it into the teleprompter.

To paste text into the teleprompter once it has been copied from your text editor,;

- use the keyboard shortcut, **Ctrl V**
- or the Paste button under the script area,

otherwise just type directly into the script frame.

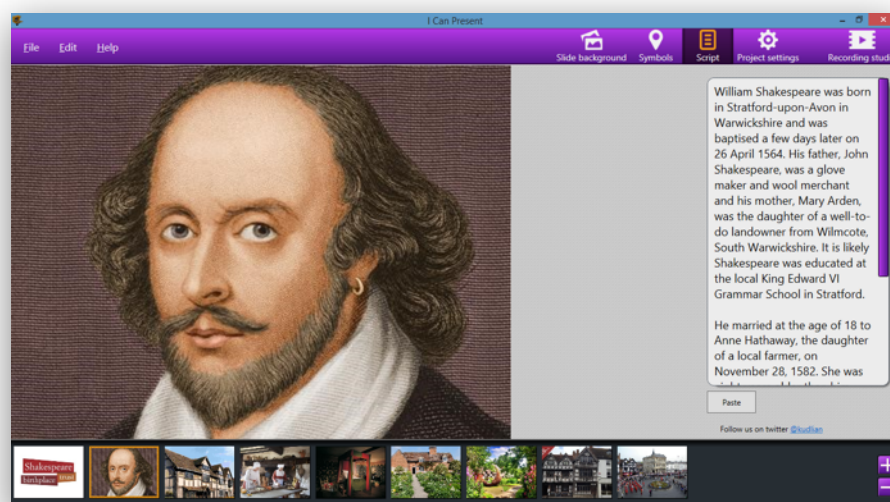
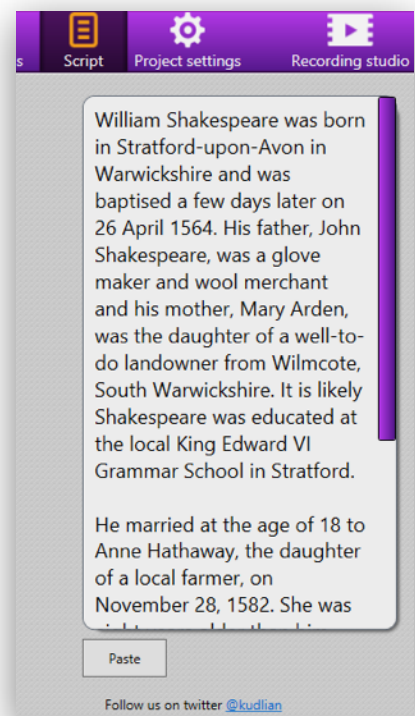
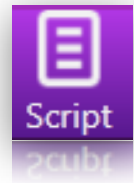
The text should contain information you are going to present for the currently displayed slide.

This might be an actual script or just bullet points to use as a prompt or reminder.

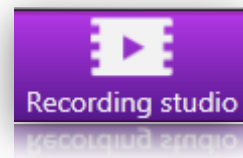
Each slide should have its own script.

If you choose another slide from the Timeline, the script panel will change to display the script for the new slide.

The script will be used in the teleprompter and will automatically scroll when you use the [Recording Studio](#) as detailed in the next chapter.



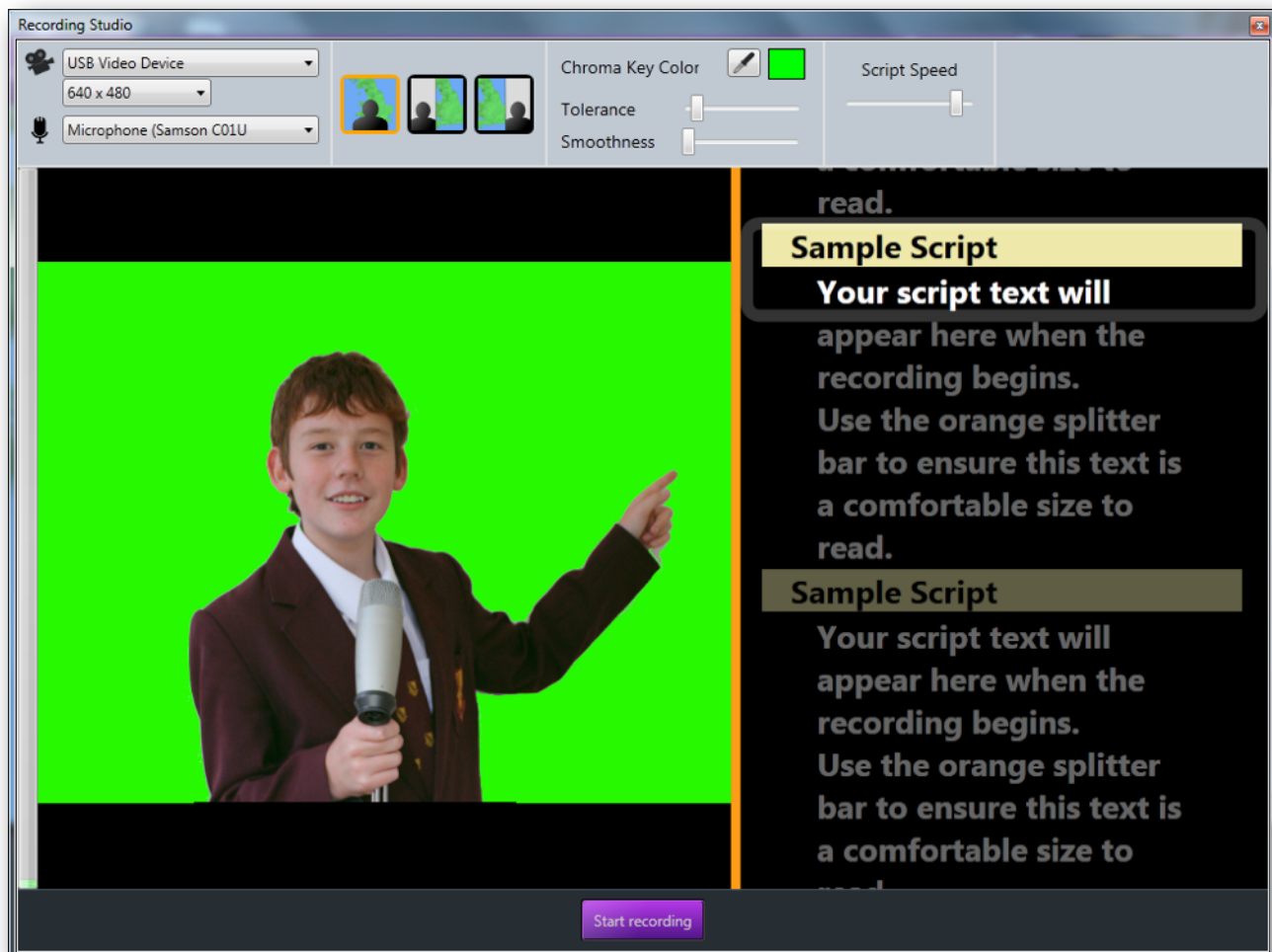
The Recording Studio



Once you have created your slides and written your script then it's time to move to the **Recording Studio**.

Click the **Recording Studio** button located to the right hand side of the Tool bar.

This screen allows you to set up 'your studio' ready to begin recording.



Recording Studio, No devices selected

The toolbar at the top of the recording studio displays a number of controls that vary depending on which devices are available, for example either a camera and/or microphone.

If no devices are available then you are reminded that a camera and/or microphone need to be selected.

If your computer has an inbuilt microphone/camera then these can be used to record a presentation, otherwise you will need to plug an external camera/microphone into the appropriate ports on your computer and ensure that you have installed the correct drivers for them.

Supported Cameras

I Can Present will work with any USB webcam* that has been correctly installed to the computer. Please ensure that you have installed any necessary drivers supplied with your camera.

“What sort of web cam should I get?”

There are a number of things to consider when trying to decide which web cam is best to use with I Can Present. You are capturing real time video so a camera with a good frame rate at a high a screen size as possible is preferable. Fifteen frames per second (15fps) at 640 x 480 would be a minimum specification, preferably 800 x 600 at 15fps, would be preferable. Some of the more modern webcams offer a full 30fps at HD. You will need to check the web cam specifications on the manufacturers website. If the camera is capturing any slower than the speeds suggested here the video capture might be less smooth.

We offer a number of cameras and our website, <http://www.kudian.net>, contains details of other cameras and how to set them up.

You can also use a DV camera that is connected via a firewire connection. Additional hardware may be required for computers not fitted with a firewire port and you will need to install any drivers supplied with the hardware.

Please note that very few USB connected DV cameras currently have the ‘live feed’ feature that is required for a direct connection. Some cameras may be able to use a separate video capture device, but you would need to test with the trial software

The software should detect these devices when they are plugged into the computer. They will automatically appear in the drop down lists for devices. If this does not happen you may find it is necessary to have the devices plugged in and switched on before launching the application.

You could also use the HD camera in your iOS or Android mobile to capture your presentation using a really useful free App, EpoCam. Check out our website for the details of how to do this

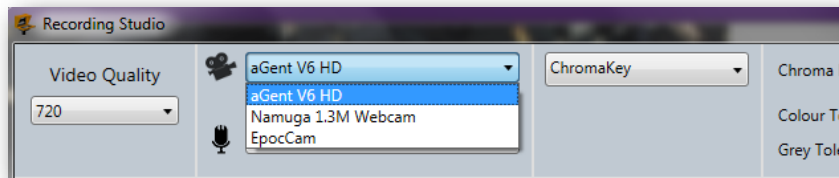
Camera and Microphone

You can use either a good quality web camera connected to the USB port of your computer or a Digital Video (DV) camcorder connected through the firewire port. It is a good idea to have the camera connected, and if necessary, switched on before launching I Can Present.

You may also require an external microphone for good sound reproduction.

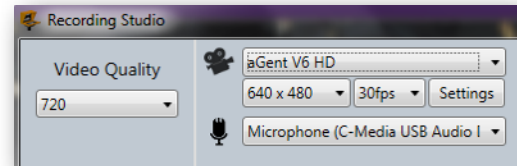
You should ensure that your subjects are well lit before starting shooting, this is especially important if you are using a [chroma key screen](#).

If the camera does not automatically appear in the camera view, click on the drop down menu and choose the camera from the list.

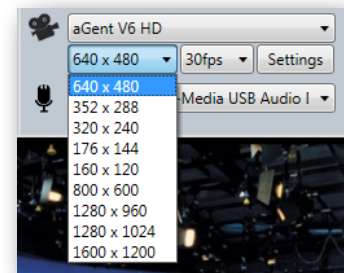


Toolbar with Camera Plugged-in

When a camera is plugged in and selected you will see the toolbar at the top of the recording studio window has additional drop down menus relating to the video settings. These settings are taken from the information supplied by the camera and consequently the information displayed may vary. If you use high settings you might find that your computer is not capable of processing quick enough. We have added some recommendations next to each setting.



Screen Size - This displays the screen sizes that the camera is able to capture. 640 x 480 should to be the lowest and we would advise 800 x 600 is a good setting. Some cameras may be able to use a larger screen size, but this might then impact on the number of frames per second that can be captured.

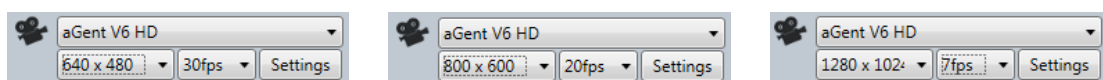


Frames per Second (fps)

fps is a measure of how much information is used to store and display motion video. The term applies equally to film video and digital video. Each frame is a still image; displaying frames in quick succession creates the illusion of motion. The more frames per second (fps), the smoother the motion appears. Television in the U.K, for example, is based on the PAL format, which displays 25 interlaced frames per second. Generally, the minimum fps needed to avoid jerky motion is about 30. Some computer video formats, such as AVI, provide only 15 frames per second.

Early motion picture films used 18 frames per second and the current standard for movie films is 24 frames per second. A minimum of 15 fps is advised and the closer to 25fps, the better.

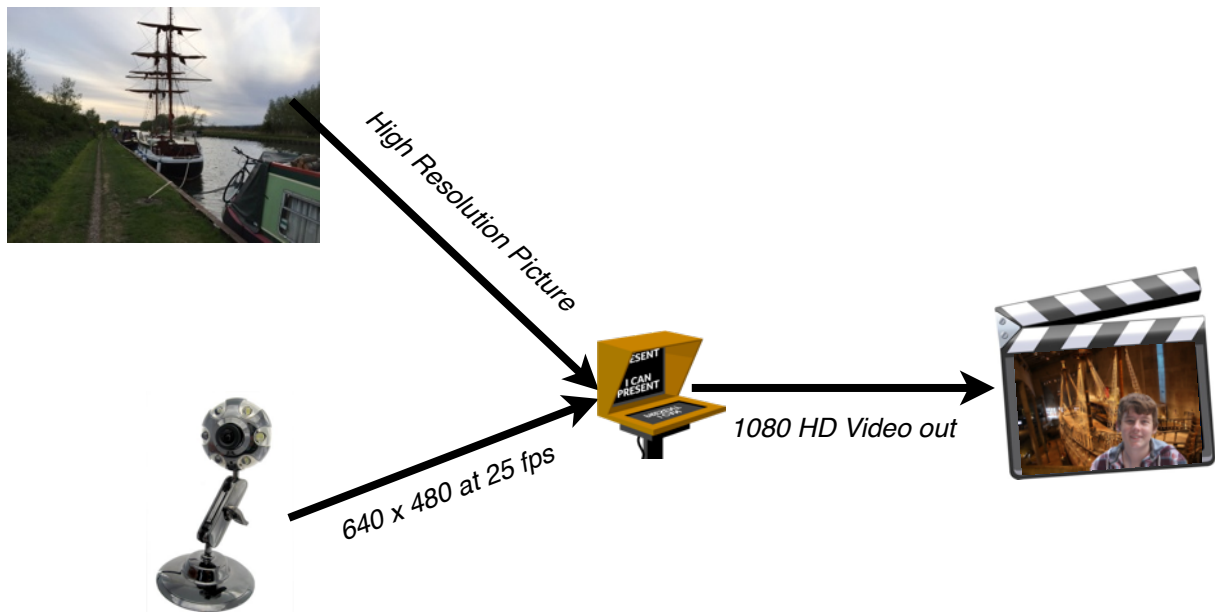
The number of frames per second that your camera is going to be able to capture might change depending on the screen size you have chosen, as can be seen in the example below.



Video Quality

This feature is especially useful as it controls the quality of the output video. During the capture of the video, the background will actually be displayed at whatever video quality is chosen irrespective of the capture video quality. This means that slides that contain text for example, will not be downgraded in quality in the final video.

In Picture in Picture the quality of the small captured video can be set quite low with a faster frame rate as the video display is quite small and quality will not really be noticed in the final output.



Settings

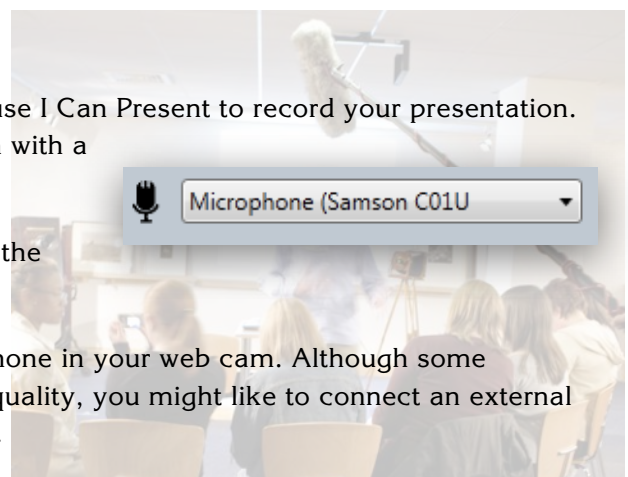
The Settings button opens a control panel where you can flip the images horizontally and vertically and also control some features such as Brightness, Contrast, White Balance, depending on what the camera allows you to do. Some cameras support a very limited set of features to control.

Microphone Only

If you do not have a camera then you can still use I Can Present to record your presentation. You can record the slides and accompany them with a voice over.

- Select the microphone you wish to use from the drop down list of audio devices.

The microphones listed will include the microphone in your web cam. Although some microphones of this type will give good sound quality, you might like to connect an external microphone or radio microphone to the system.



Getting Your 'Studio' Ready to Record

The toolbar at the top of the recording window is where we make changes to the recording settings.

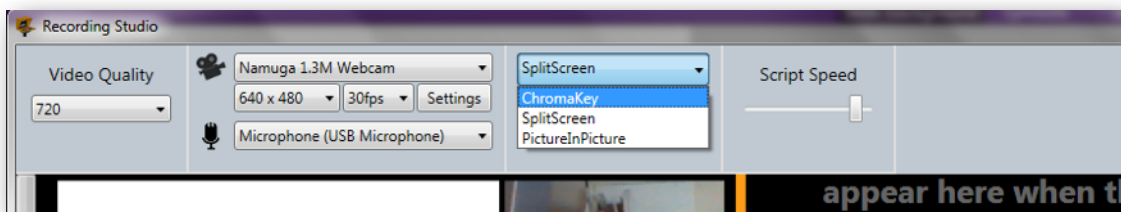
USB Video Device: Choose the camera to use for your recording from the drop down list. Unfortunately camera names are sometimes not the same as the model of camera, you may need to 'experiment'.

You can then choose the size of the video you are going to capture. The drop down list will only show what the camera is capable of capturing. This list might be affected by other changes you make in this toolbar.

Microphone: Choose the microphone you wish to use for recording. This does not have to be the microphone in the video device you are using.

Recording Layouts

I Can Present has a three main layout options to choose from, not just the chroma key feature. It can therefore be used in a number of ways to create video presentations. The layouts are accessed through the drop down menu



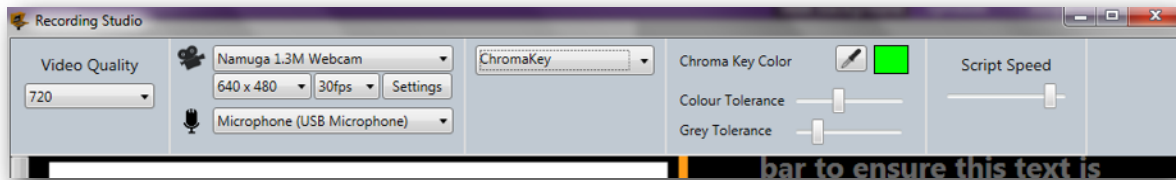
Chroma Key (Green Screen)

The chroma key option is used when you want the images in your slideshow to appear behind you during the presentation. To use the chroma key option, you will require a chroma key screen.

Chroma key is explained later in this guide. Unfortunately there are not a set of rules as all environments are different, but useful tips should make things easier. [Click here for more information on chroma keying.](#)

When this option is selected, the chroma key settings are displayed.





The slides will appear to one side of the video and the first slide will be displayed in the live video feed. The backgrounds supplied with I Can Present will be automatically sized to fit the available space.

The green screen backdrop needs to be well lit. It can be any colour you want, but you have to remember that if the background colour is for example brown, then other colours close to brown would be replaced with the background picture, skin colours for example as shown in the picture opposite.



Use the colour picker to select the colour you wish to replace.

- Click the Pipette tool, the mouse pointer will be replaced.
- Move the Pipette tool to the preview window. Move it around inside the window and notice how the colour in the colour well next to the pipette tool changes.

You need to choose a colour that is as close to that of the green screen. You may have to reselect the colour a number of times to get one that 'keys' well. The background picture from **slide 1** will replace all the areas close to the green colour in the live feed preview window.

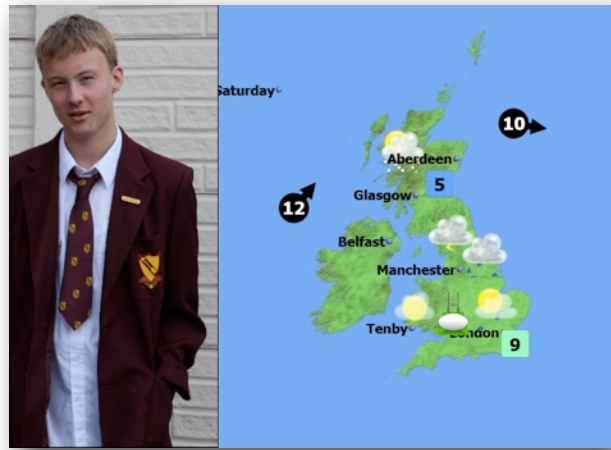
Try to remove all the green background colour by using the **Green Tolerance** slider. If you have this a long way across to the right, it might be a good idea to use the Pipette tool to try a different shade of green or look for some other cause such as poor or non uniform lighting.

You can also place your presenter into the shot to see what effect they have. The Grey Tolerance slider can be used to try to blend your presenter into the scene. As we have already indicated, there are no presets its a bit of 'trial and error', but you should be able to get a good key very quickly.

Split Screen

This option is similar to what you often see on TV when a presenter is doing an outside broadcast. In one part of the screen you have the presenter and in the other part the picture or weather forecast they are presenting about.

The split screen can be either have the video on the left or right. No chroma key is used for this setting.

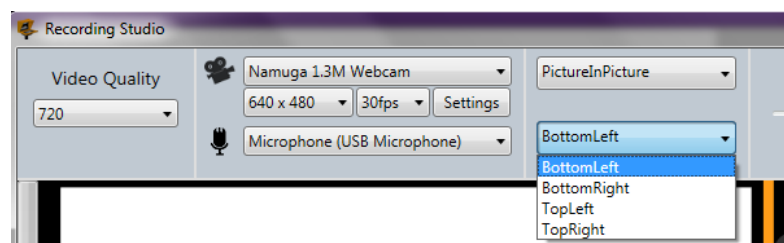


Picture in Picture

This option is similar in some ways to the Chroma key option but instead of the presenter being placed fully in front of the background slide they appear in a window. No Chroma key is required for this feature. This is ideal for using with PowerPoint slides.

PowerPoint slides can be exported as PDF files. This option can be found under the **Save As** menu in PowerPoint.

Once the PDF file has been saved, you can import it straight into I Can Present as explained in the section dealing with [Import from PDF](#).



Script - Teleprompt

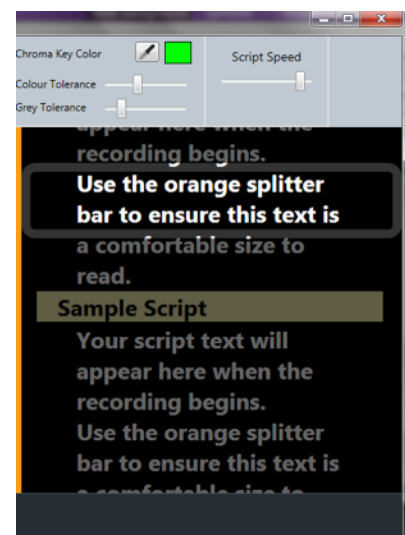
Your script will appear in the teleprompt on the right side of the window when you are recording.

Use the Script Speed slider to adjust the speed of the text.

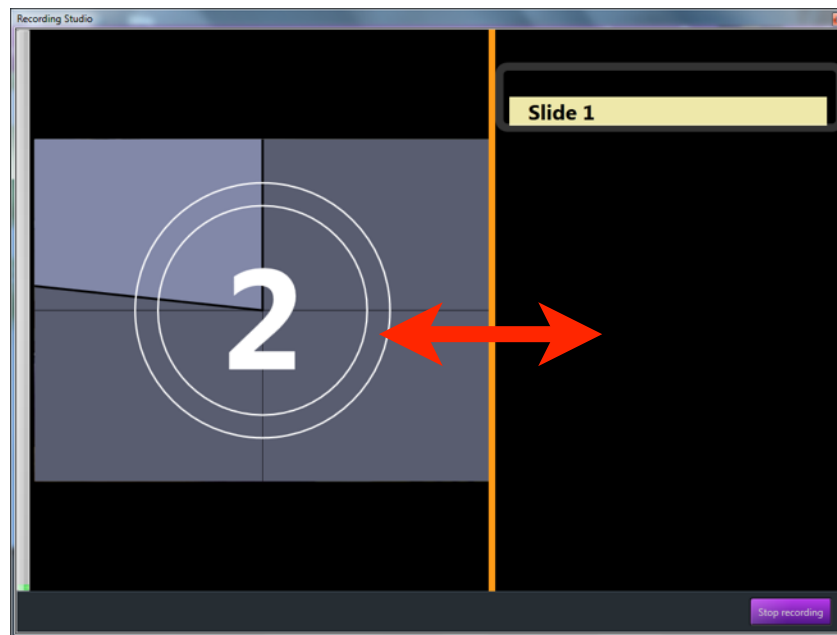
Moving it to the right increases the speed while moving it to the left decreases the speed of the scrolling text.

You should alter the speed of the scrolling text until you can comfortably read it as it appears in the grey rectangular box at the top of the teleprompt.

To alter the size of the text in the teleprompt area, drag the



orange splitter bar, to either the left or right to adjust the relative sizes of the preview and the text in the teleprompt. This does not affect the size of the exported movie.



Recording

Once you have set up everything you are finally ready to start recording.

1. Click on the record button at the bottom of the window to start recording.
2. An explorer window will open allowing you to choose the location for the file to be saved to and give the project a name.
3. The countdown timer will begin as soon as you confirm the Save location, so that you can be ready to start your presentation.



Once the countdown timer has completed, your first slide will appear in the preview and alongside it the script. The script will scroll up the right hand side of the screen.

As the script enters the grey target box you should begin speaking. When you get to the end of the script for the first slide the script prompt will stop and will not continue until you press the left hand mouse button. The recording does not stop.

When the left hand mouse button is pressed the presentation will continue to the next slide and the script for this slide will now begin to scroll up into the grey target box. You will need to do this for each slide.

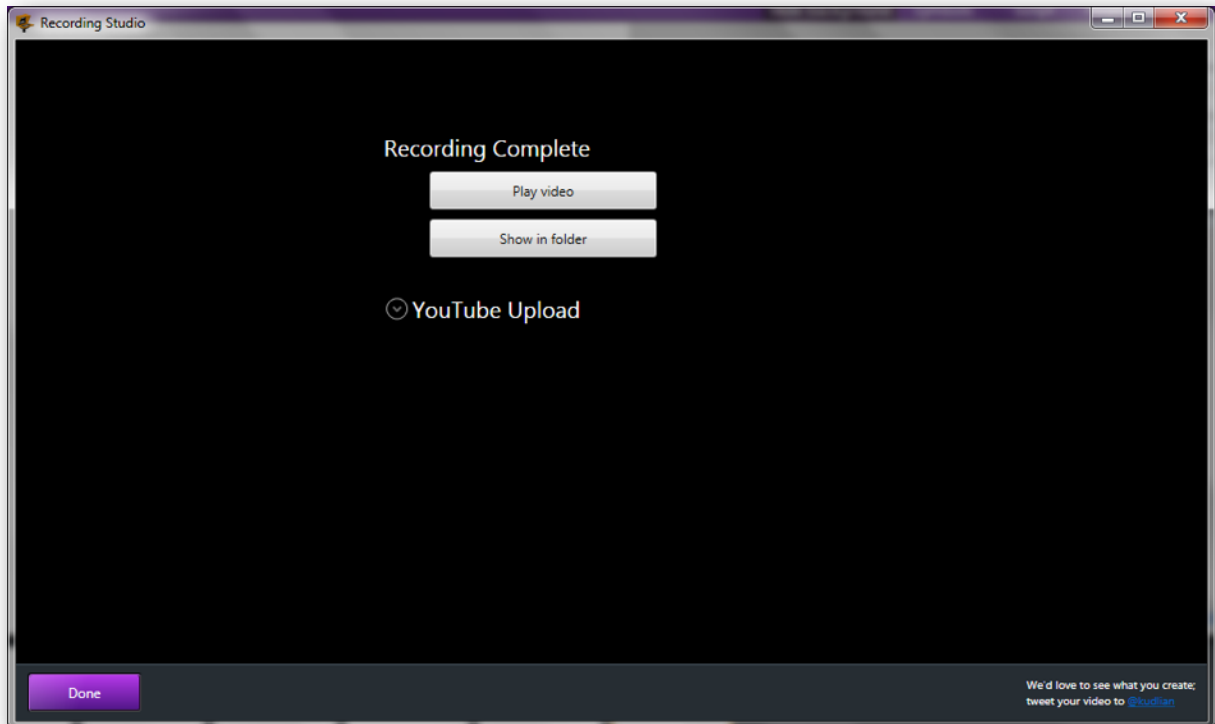
If nothing happens when you click the mouse, then make sure your mouse pointer is either in the preview or teleprompt areas of the screen.

At the end of the presentation, press the **Stop** button.

Exporting a Movie

I Can Present automatically exports WMV video files with an .wmv file extension. These files will load straight into Windows™ Movie Maker or other compatible Windows applications.

As soon as a recording is complete, I Can Present finishes saving the movie file to the location chosen and will show a window where you can choose to either;



- Play the video you have just captured,
- Show the location of the movie file in a folder.
- Upload to YouTube
- Click Done to return to the Capture screen

Loading and Saving Files



Saving an I Can Present File

You should save your project files as often as possible. Each project file saves the details for each slide, the symbols and their positions as well as any script.

Note: the project files do not save any recorded video.

Choose **File** > **Save** or **Save As...** from the menu bar.

A **Save As** dialogue will open allowing you to choose the location to save your file to and name the file.

I Can Present files have the file extension **.ksicp**

I Can Present files can only be used by the I Can Present application for further editing.

Opening an I Can Present File

Either:

1. Load the I Can Present application.
2. Either choose **File** > **Open...** or use the **File** > **Recent Files** submenu to choose a recently saved file.
3. If you select **Open...** a filer window will open allowing you to navigate to and select the file you wish to load.
4. Choosing the Recent Files option presents a list of files that have recently been saved from I Can Present.
5. Select the file you wish to use from the list.
6. It will then load into I Can Present and you can continue working.

or

- Double click on the I Can Present file. The I Can Present application will launch and then load the chosen file.

Chroma Key

The chroma key feature allows you to film your subject in front of a chroma key screen so that the slides will appear behind the subject, creating a professional looking presentation.

You will need to light your subject correctly to get the best results, and of course ensure that your subject is not wearing the same colours as your background chroma key screen. For example, if you are using a green backdrop then they should not be wearing a green shirt.

I Can Present displays a real time preview of the recording with the chroma key effect. This helps ensure that you have the correct set up prior to the recording.

1. Select the Chroma Key layout from the toolbar
2. Using the pipette tool choose the colour from your preview window that you wish to use as the background key.
The colour selected will appear in the colour swatch.

You will now see that the areas with colour you have chosen now display the first slide in your presentation.

You might also notice that the picture is noisy, that is to say there might appear to be some interference or picture break up. This is usually because of poor lighting.

Tolerance

The **Tolerance** slider enables you to set a tolerance for the chroma key colour. Ideally you want to set this as small as possible so that all of the background is shown. If you set it too high you may find that some of the foreground subject starts to disappear too.

Smoothness

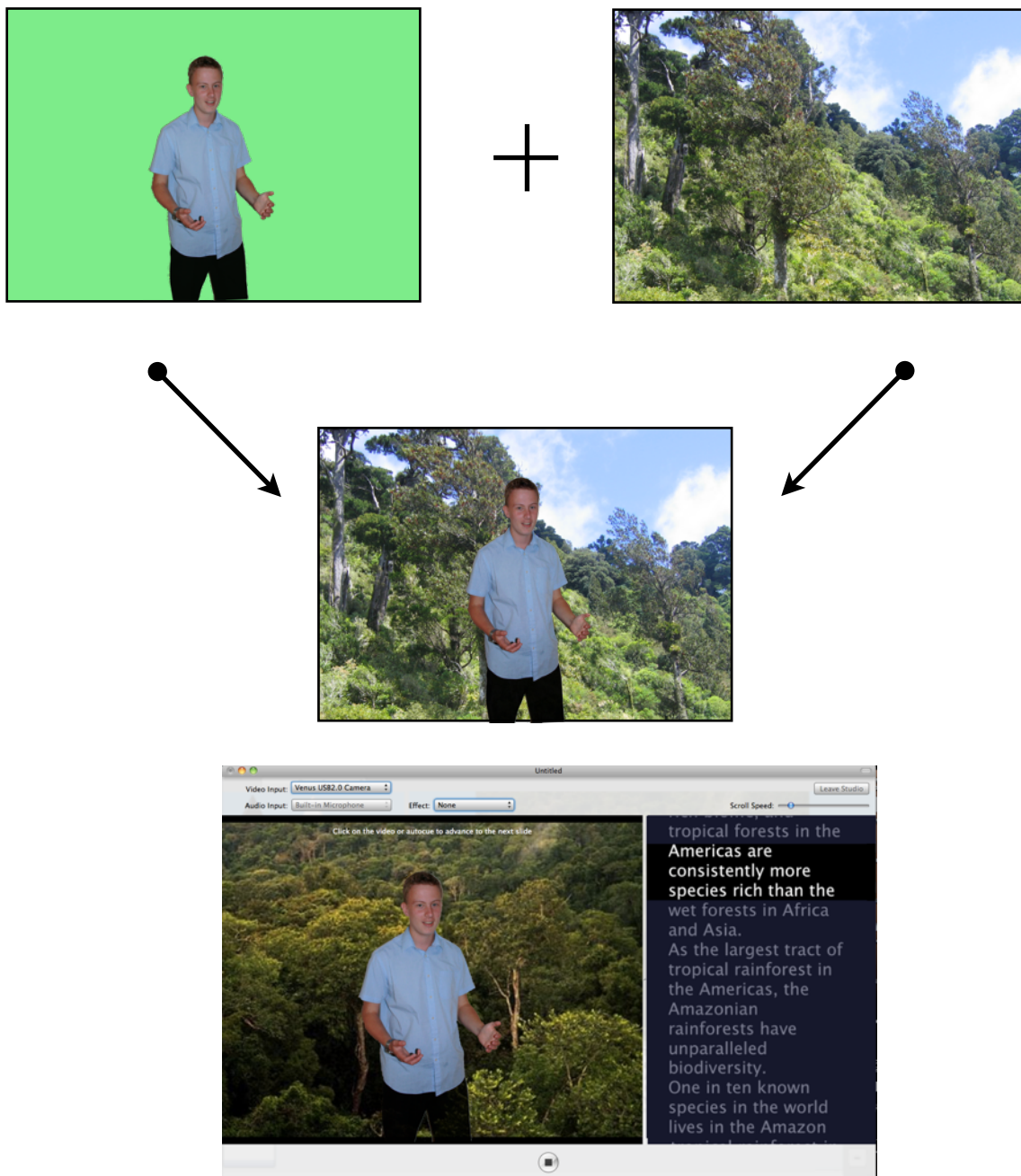
The **Smoothness** slider enables you to smooth off the edges around the foreground subject which helps it blend more smoothly into the background.

There are no real rules for using these sliders, the settings very much depend on how you have set up your subjects for recording.

Chroma Keying Explained

Chroma keying is a technique for mixing two images together, in which usually a single colour from one image is removed, or made transparent, revealing another image behind it. The technique is also known by other names, green-screen, blue-screen, colour keying and colour-separation overlay. Used extensively in the film industry for special effects, it is also seen everyday, such as in weather forecast broadcasting. The presenter appears to be standing in front of a large map, but in reality they are stood in front of a large blue or green background in the studio. Different weather maps are added on those parts in the image where the colour is blue or green. Blue and green are considered the colours least like skin tone.

The illustration below demonstrates the effect that can be achieved.



Blue Screen or Green Screen?

Blue screens were used as the keying colour as it is complimentary to human skin tone. In the film industry it is also tied to the fact that the blue emulsion layer of film has the finest crystals and thus good detail and minimal grain, in comparison to the red and green layers of the emulsion.

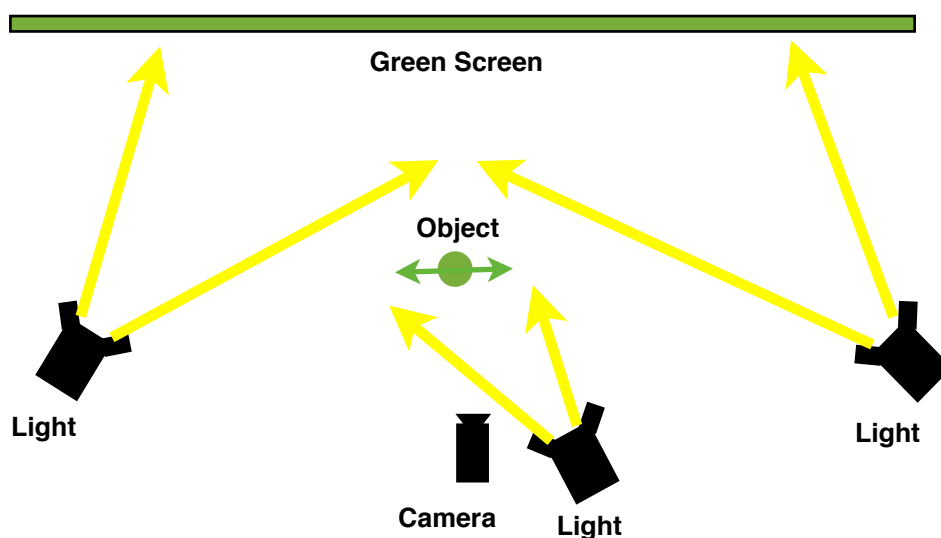
In the more recent digital world however green has become the favoured colour. This is because digital cameras retain more detail in the green channel and it requires less light than blue. Green also has a higher luminance value than blue and in early digital formats the green channel was sampled twice as often as the blue, making it easier to work with.

The choice of colour is up to the effects artists and the needs of the specific shot, obviously dependent on what the characters are wearing or how they are coloured. In more recent times, the use of green has become dominant in film special effects. The green background is preferred over blue for outdoors filming where the blue sky might well appear in the frame and could accidentally be replaced in the process. Although green and blue are the most common, I Can Present has been designed to allow the user to choose any colour to key against.

For the purposes of this manual we will refer to it as green-screen.

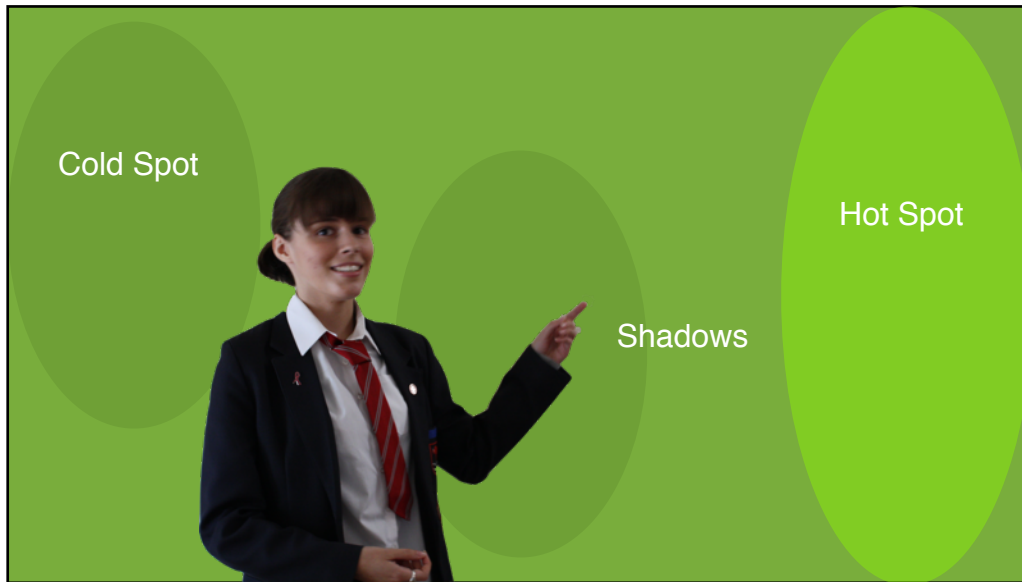
Lighting

The biggest challenge when setting up a green-screen is getting the screen evenly lit and to avoid both shadows and *hotspots*, (areas which are brighter than the rest of the screen). An evenly lit screen gives a narrow colour range to be replaced, resulting in much more accurate keying. If you have shadows, it would present itself as a darker colour to the camera and might not register as part of the matte.



Example Lighting Diagram

When choosing a chroma key screen, try to use materials which are not shiny. A shiny surface will have areas that reflect the lights making them appear too bright. It is better to choose a matt surface as this will diffuse the reflected light better and have a more even colour range.



Appendix

Links to Support Resources and Updates

[I Can Present – Support Resources and Updates](#)

Deploying I Can Present Over a Network

System administrators who wish to deploy the I Can Present MSI over a network need to take the following into consideration.

If you wish to deploy the application pre-registered then you may require an MST (Microsoft Transform) file. This can be created using our online MST tool.

Each client machine will need to have the following pre-installed.

- A minimum of [Windows Installer 3.1](#)
- .NET Framework 4.0 Client Profile

These are available as downloads from Microsoft's website.

[Click here for more information on deploying the .NET framework.](#)

ACKNOWLEDGEMENTS

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