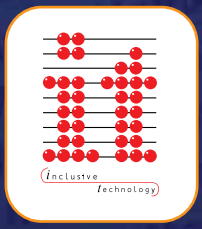
Matrix Maker

Create and print your own signs, schedules, labels and communication grids



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Windows XP, Windows Vista or Windows 7

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» Credits

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» Introduction

Matrix Maker has been designed to be the simplest software for making printed communication overlays and education resources.

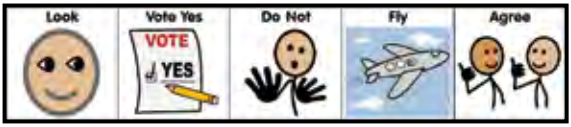
You can make:

- Overlays for communication aids.
- Schedules and calendars.
- Communication books.
- Pointing boards.
- Sets of flash cards.
- Task sequencing charts.
- Grids and labels.
- Resources for games and worksheets.

Matrix Maker contains lots of templates. First choose a template, then add your own pictures and text. Templates for all popular communication aids are provided. Give us a call if yours is missing!

Matrix Maker comes with thousands of symbol and picture images, contained within a library called The ***IT Media Library***. This collection includes the Symbolstix library from News-2-You.

About Symbolstix



The Symbolstix collection of symbols was developed by US company N2Y, specifically for their online newspaper for symbol users, News-2-You. You can find out more about this at www.n2y.com. There are over 12000 symbols in the Symbolstix library, and it's growing every day!

N2Y are always happy to receive requests for more symbols.

» Minimum Specification

Matrix Maker will run on any computer which has Windows XP, Windows Vista or Windows 7.

» Installation

Installation copies ***Matrix Maker*** and the ***IT Media Library*** to your computer. You will only need to do this once. You should have a CD-Rom for each of these in your ***Matrix Maker*** pack.

Installing Matrix Maker

Put your ***Matrix Maker*** CD in the computer first. If your computer is set up to auto-run CDs the installer window should appear on the screen after about ten seconds. Otherwise, double-click on **My Computer*** (this may be on the Desktop or in the Start menu), then double-click on the CD icon. Double-click on **presetup** to run the installer.

Click **Install *Matrix Maker*** to copy ***Matrix Maker*** to your computer. You will need the card from the packaging with your serial number. Type in your serial number when asked.

When installation has finished, you will have a ***Matrix Maker*** icon on your Desktop and Windows Start menu.

** Note: just called **Computer** on Windows Vista.*

Installing IT Media Library

If you already have ***IT Media Library*** installed either on your computer or on your computer network, you don't need to do this again.

Network managers: See **The *IT Media Library*** on page 47.

The ***IT Media Library*** is a large collection of pictures which you can use in ***Matrix Maker***. It is kept separate so it can be used by other programs. It includes a **Manager** program to allow you to add your own pictures and categorise them. See **The *IT Media Library*** on page 47 for more details.

Put your ***IT Media Library*** CD in the computer. If your computer is set up to auto-run CDs the installer window should appear on the screen after about ten seconds. Otherwise, double-click on **My Computer*** (this may be on the Desktop or in the Start menu), then double-click on the CD icon. Double-click on **presetup** to run the installer.

Click **Install *IT Media Library*** to copy that to your computer.

When installation has finished, you will have an ***IT Media Library*** icon on your desktop and Windows Start menu.

** Note: just called **Computer** on Windows Vista.*

Connecting Matrix Maker to the IT Media Library

If you installed the ***IT Media Library*** in a non-default place on your computer or network (ie: not the standard place), then you may need to manually connect ***Matrix Maker*** to it.

See page 49 for more details.

» Starting Matrix Maker

You can start ***Matrix Maker*** in three ways:

1. Double-click the ***Matrix Maker*** icon on the computer screen.

2. Click the **Start** button on the computer screen, then **All Programs**, then **Inclusive Technology**, then ***Matrix Maker***.

3. Find a ***Matrix Maker*** activity file and double-click on it.

The title screen has two buttons:

- **New** lets you make a new page.
- **Open** will give you a normal “Open file” window where you can go and find a previously made page.

Sometimes a third button is shown:

- **New templates available**. This button appears when there are new templates available from the Internet. Click to add the new templates - it's as easy as that.

» Stopping Matrix Maker

From the title page: click on the red stop button at the top right.

Whilst in the Editor: click on the **print/save** tab at the top right, then click on the **exit** button on the right-hand end of the toolbar.

» Quick Start Guide

Simply choose a template, add some pictures and print.

Choose a template

Run ***Matrix Maker*** and click the **New page** button on the title page.

First you need to choose a template.

These are split into 9 sections.

Double-click one, or single-click and click on **OK**.

You can now choose a template in that section.

Choose a simple looking one for now.

Just double-click as before.

There is also a **Back** button if you change your mind and want to look in a different section.

Add some pictures

The template you chose is now shown like a piece of paper.

At the top is the **pictures** toolbar.

Click the Media Library button to add a picture from the built-in library of pictures and symbols.

Use the **search** tool to find a picture. Click on it and then click the **OK** button.*

If **Matrix Maker can't find the Media Library, just try the computer button instead, and find a picture from your computer. See "Connecting **Matrix Maker** to the **IT Media Library**" on page 49.*

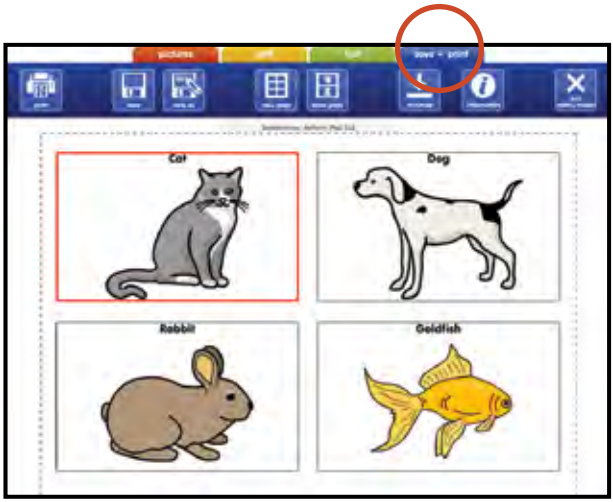
Your chosen picture is now on the page.

It was put in the top left cell, but you can drag and drop it to any other cell.

Click a blank cell where you would like the next picture to go, then add more pictures in the same way.

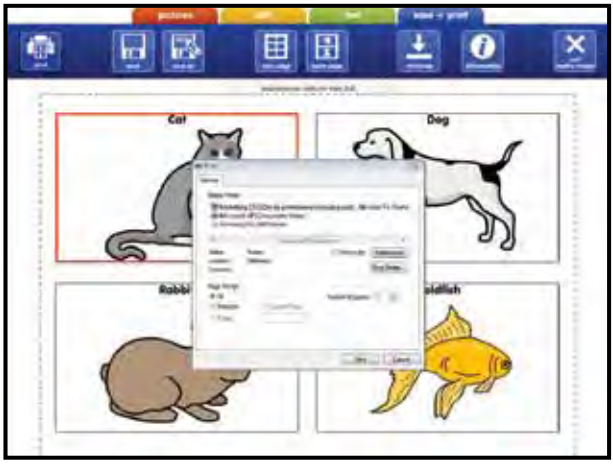
The currently selected cell will have a red highlight.

Print Your Page



When you have finished, click the **save + print tab** at the top right of the screen.

This will show the save + print toolbar.



Click the **print** button to start printing your page.

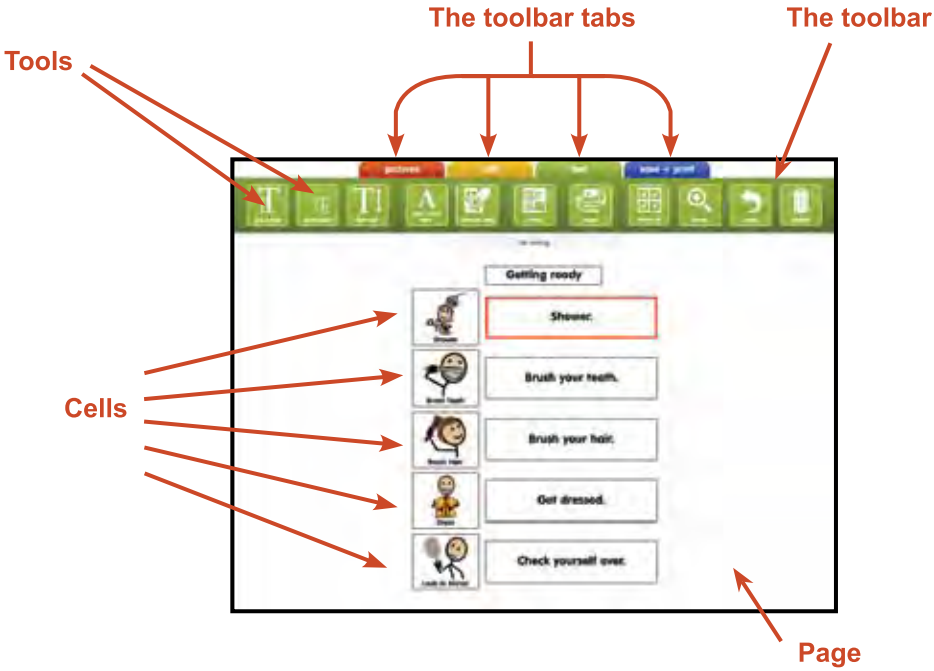
What next?

- You can continue changing your pictures, and the text too. Click the **pictures**, **edit** and **text** tabs at the top of the screen to see their toolbars. See **The Editor in Detail** on page 19 for help.

- Or go back to the **save + print** toolbar to save your page, or start again with a new page.

- Alternatively, you can exit ***Matrix Maker***. Click **exit Matrix Maker** on the **save + print** toolbar.

Quick Start Summary - Terminology



Editor Page: shows the chosen template.

Toolbar: with tools for adding and editing the pictures and text on your page.

Tabs: to display the four different toolbars.

Cells: each cell can have one picture and some text, just a picture, or just text.

Selecting cells and dragging things about

As covered in the Quick Start Guide, once you have some pictures on your page, you can:

- Move pictures about using drag and drop.
- Select the cell where the next picture will go.

Selecting multiple cells

You can also select multiple cells by holding down the **Ctrl** key on your computer's keyboard while clicking the cells. You might find this handy for speeding up your work once you are familiar with ***Matrix Maker***.

You can click the **select all** tool if you want all the cells selected.

The toolbars

Matrix Maker has four sets of tools for getting pictures, editing them, editing text, and saving and printing your pages. You can click their names at the top of the Editor screen to see them:

Pictures: for adding pictures to your page.

Edit: for altering pictures and colouring cells.

Text: for adding and changing the text in cells.

Save + Print: for printing, saving and finishing.

» The Pictures toolbar

This contains tools for adding pictures to your page.

Media Library

Matrix Maker comes with the ***IT Media Library*** which contains thousands of symbols and illustrations ready for use, including the whole Symbolstix collection. See **The *IT Media Library*** on page 47 for details.

There are four ways of finding pictures in the Media Library:

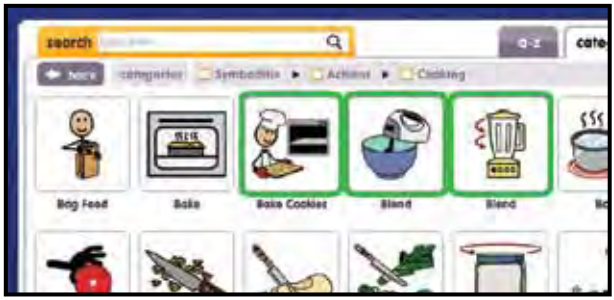
- Search. Just type in the **search** box! Matching pictures will appear as you type. Sometimes these will appear as a little Media Library folder. Double-click the folder to see all the pictures inside.

- Browse by category. Click the **categories** tab at the top. We have organised all the Inclusive pictures into subject categories. Each category has sub-categories within it. Double-click a category to see the sub-categories inside that.
- Browse by alphabet. Click the **A-Z** tab at the top. This organises all the pictures into folders alphabetically.
- Browse pictures you have added to the Media Library yourself. Click the **my media** tab at the top.

To put a picture onto your page, click it to tick it, and then click on **OK**.

Note: some pictures have alternative names which you might prefer. Click the button at the bottom of the window to see them. Click on the one you want.

Adding more than one picture at once



To speed things up, you can add more than one picture at once. Just click the pictures you want and they will get a tick. Then click **OK** to add them all.

*Note: **Matrix Maker** will not allow you to tick more pictures than there are cells on your page.*

Caution! Replacing pictures

If you select a cell with a picture already in it then go and choose a picture from the Media Library, the new picture will **replace** the old one. To avoid this, make sure the highlighted cell is empty before clicking the **Media Library** tool.

This caution applies to the **computer**, **internet** and **webcam** tools as well.

Computer

Click the **computer** button to add a picture from your computer. Find your pictures, click one, and then click the **OK** button.

As in the Media Library, you can add more than one picture at once. Just click the pictures you want and they will get a tick. Then click **OK** to add them all.

*Note: **Matrix Maker** will not allow you to tick more pictures than there are cells on your page.*

If you use one of your own pictures frequently, you might want to put it in the ***IT Media Library***, and then use the **Media Library** tool next time. When the Media Library opens, click on the **my media** tab at the top.

Pictures on your digital camera, phone or USB stick

You should also use the **computer** tool to get pictures directly from your digital camera, phone, USB stick (also known as a pen drive, memory stick or flash drive), etc.

To find these pictures, navigate to **My Computer**, then look for an external device that might be your camera. Your computer might call it D: or another letter.

*Note: **Matrix Maker** cannot interact with your camera's software, and cannot load images from any of the iPod™ family.*

Internet

Click here to search for a picture on the Internet using Google™ images.

Type a description of the picture you want (eg: cat, windmill, London, Elvis) and click **Search Images**.

Google™ will look for images and display them as “thumbnails” (mini-images). When you have found a picture you like, just click on it. Wait a few seconds and the picture will appear at its full size*.

To use the picture, click the **OK** button. Otherwise click the **back** button at the top left to go back and look at others.

Pictures must be in JPG, GIF or PNG format.

* *Sometimes the picture will not appear – perhaps Google can’t find it or it has been “blocked”. Just click the back button at the top left to go back and try another picture.*

Webcam

Click here if you have a webcam plugged into your computer. This allows you to take a picture of something in the room right now.

The computer first makes sure it can find your webcam. Then it may display a little “Adobe Flash Player Settings” warning. Just click the **Allow** button.

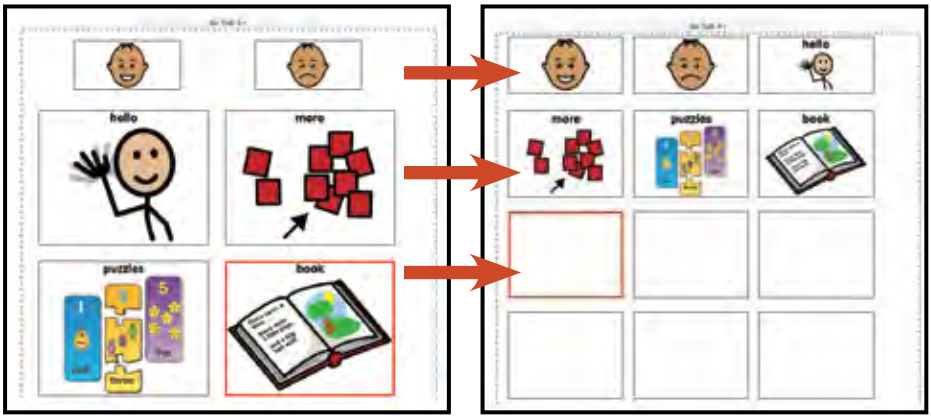
The webcam view will then appear. There will be a 5 second countdown after you click the **Take Picture** button. (You can skip this countdown by clicking again.)

If you like the picture, click **OK** to add it. Otherwise click **Try Again** to have another go. You can try again as many times as you like!

Tip: use the Webcam tool to take pictures from picture books and other printed materials. Just point the webcam at the book, and click.

Import matrix.mmx

This is a handy tool for when you have been making ***Matrix Maker*** pages for a while. It allows you take pictures from an old page, and put those onto a new page with a different template.



Old template *New template*

Here's how to do it:

1. Start ***Matrix Maker*** and create a new page using a **new** template.
2. Click the **import matrix.mmx** tool.
3. In the Open File box, find the old page with the pictures you want and click **OK**.

The pictures will magically appear on your new template. You can then move the pictures about to where you want them, and even add more pictures.

Select all

This button selects all of the cells, so that the next thing you do will apply to all of them.To go back to normal, just click on one of the cells on the page.

Handy shortcut: if you have a page with a lot of cells and want to select most but not all of them, first click **select all**, then hold down the **Ctrl key** and click the cells you **don't** want.

Zoom

Click a cell, then click the **zoom** tool to magnify it so you can see it better. Click the **zoom** tool again to go back.

Undo

This is handy if you make a mistake. Just click the **undo** tool to change back the last thing you did. In fact, you can change the last 20 things you did!

Delete

Click a cell with picture or some text in it, then click the **delete** tool to delete it and make the cell empty again. Don't forget you can use the **undo** tool if you make a mistake.

Also see the **Remove text** tool on page 34.

» The Edit toolbar

This contains tools for altering pictures and colouring cells.

Duplicate

Click the cell you want to duplicate, then click the **duplicate** tool. The new picture will appear in the next available cell. Duplicate will not work if there are no empty cells.

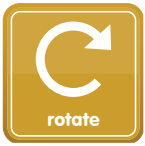
Flip side

Click a cell with a picture, then click **flip side** to turn it round to its mirror image.

Flip up

Turns the picture in the selected cell upside down.

Rotate



Turns the picture in the selected cell clockwise 45°.

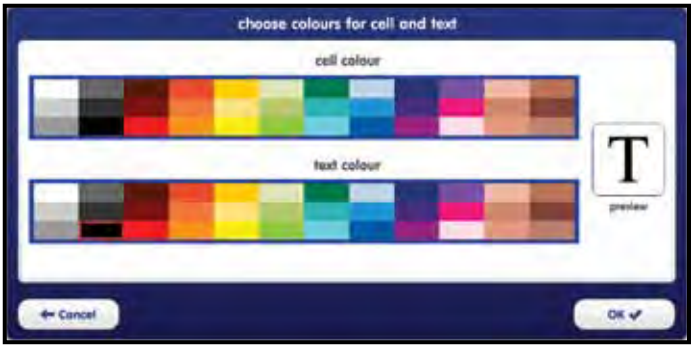
Tweak

This lets you make painting adjustments to the picture in the currently selected cell.

See the separate section on the Tweak tool on page 40.

Cell colour

To change the colour of a cell, and its text, first click on the cell then the **cell colour** tool. This will give you a colour chooser:



Choose the colours you want and click **OK**.

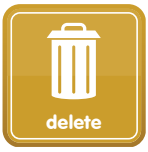
To change all the cells to the same colour, first click the **select all** tool, then the cell colour tool.

To change a group of cells to the same colour, use the **Ctrl** key to select them first. See page 19.

Background colour

Use this tool to change the colour of the page around the cells. Click the **background colour** tool to get a colour chooser:

Select all, Zoom, Undo and Delete tools



See page 28 for help.

» The Text toolbar

This contains tools for adding and changing the text.

When you add a picture to ***Matrix Maker***, its name comes with it. To change the text, just click on it and start typing.

You can also add text to empty cells.

Grow text

This makes text bigger. Click on the cell with the text, then click on the **grow text** tool. Click on the **grow text** tool again to make it even bigger. Keep clicking until it's the size you want.

If you have multiple cells selected, all the text in those cells will grow.

Shrink text

Like the **grow text** tool, but shrinks text instead.

Text size

Use this tool to make the text in a cell a particular size. Click the cell, then click the **text size** tool. A list of possible sizes will appear. Click the size you want.

This tool is very handy for making the text in a number of cells all the same size. If you have multiple cells selected, the text in all of them will change to the selected size. See page 19 for selecting multipule cells.

Add/edit text

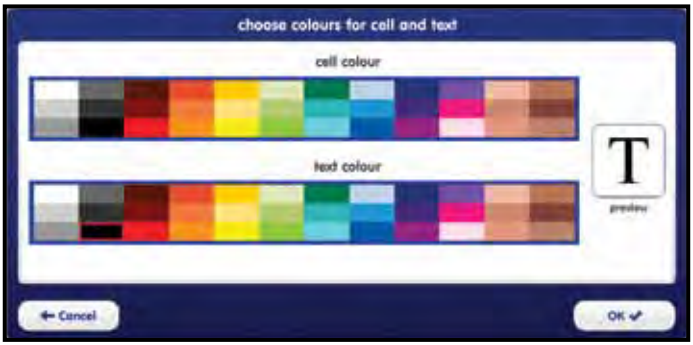
Use this tool add text to an empty cell, or a cell with just a picture. Click the cell, then click the **add text** tool to get a box you can type into.

Remove text

This will delete the text in the selected cell entirely. If there is a picture in the cell too, the picture will grow to fill the empty space left behind.

Colour

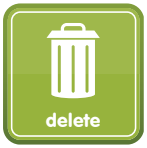
The colour tool can be used to change the colour of the text in a cell. Click the cell, then click the colour tool to get the colour chooser:



Swap

This tool swaps the positions of the picture and its text in a cell. Click a cell and then click the swap tool.

Select all, Zoom, Undo and Delete tools



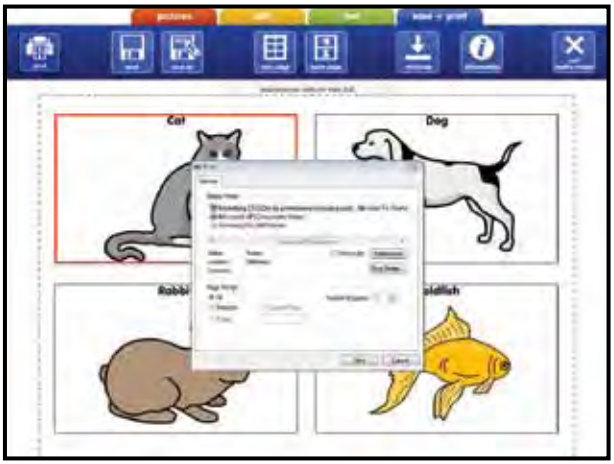
See page 28 for help.

» The Save + Print toolbar

These tools work on your whole page. Some of them will ask you if you want to save your work, if you haven't already.

Print

This tool prints your page. The standard Windows **Print** dialogue box will appear, to confirm you want to print.

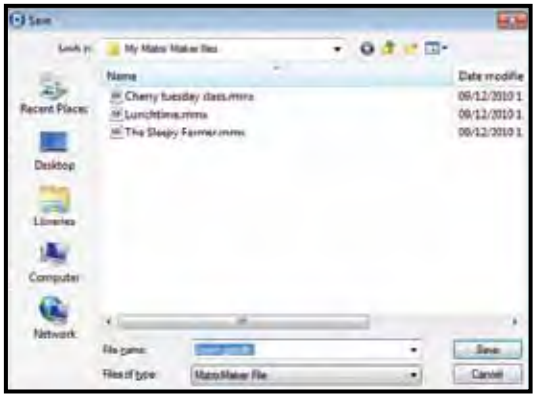


Sometimes the **page** will print out on two separate pieces of paper which you have to stick together. This is necessary for larger communication aids which are bigger than the paper you have in your printer.

Pages based on templates for communication aids or switches will always print to the scale required for that device. Other pages will scale up or down to whatever paper size have set for your printer.

Save

This tool saves your page to your computer. Click it to get a standard Windows **Save** window. Now you can give the page a name and decide where to save it.



Use the **open page** tool to open this page again at a later date.

Save as...

Once you have saved your page and done some more work on it, clicking the **save** tool again will just save over the previous version. If you want to keep your previous version, you should use the **save as** tool to save this new version with a different name. You will then have both pages to use in future.

New page

Click this tool to start again with a new page. ***Matrix Maker*** will ask you if you want to use the same template or a different one.

Open page

This tool gives you a Windows **Open** window so you can open old pages you made before.

Minimise

This is very handy tool. It just hides ***Matrix Maker*** temporarily, without losing any of your work. Use it when you want to look at something else on your computer for a moment without stopping ***Matrix Maker***.

To get ***Matrix Maker*** back, click on its name at the bottom of your computer screen, on the Windows “task bar”.

Information

This tool gives you information about ***Matrix Maker***, along with Inclusive Technology’s contact details.

Exit Matrix Maker

Click this when you have finished working with ***Matrix Maker***.

» The Tweak tool

The **tweak** tool on the **Edit** toolbar lets you make painting adjustments to pictures on your page. It's a bit like a little art program.

It is particularly handy for removing unwanted detail from pictures you have got from your camera or the internet.

First click on a picture, then click the **tweak** tool to get the Tweak window with the picture magnified:

The tweak window has its own tools:

Paint

Use this to paint thick lines on your picture.

Pen

Use this to draw thin lines on your picture.

Colour

Click this tool to see a range of different colours for the paintbrush or pen.

Pipette

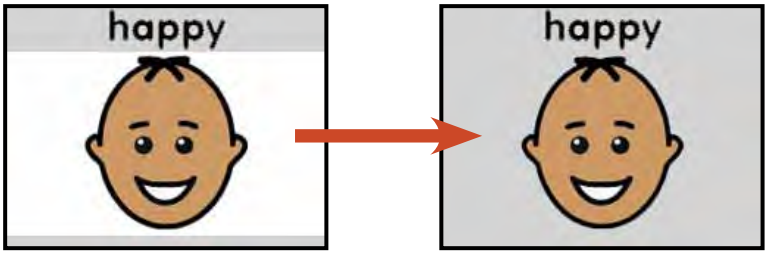
If you want to use a colour from the actual picture, use the **pipette** tool. First click the tool and then click on the colour in the picture. The colour tool will change to the colour chosen.

Fill

A painting timesaver. This tool will flood-fill the picture with the selected colour. Click the **fill** tool then click on the picture in an area of flat colour. The flooding will spread as far as the area of the original colour.

Trim

The trim tool works on the whole picture. It is useful if your cell has a non-white background, but your picture is of an object sitting on a white background. Trim will remove all the white surrounding the picture. Example:



Eraser

This works like the paint tool, but makes the picture transparent wherever you “rub” on the picture. The cell background colour will then show through.

Add to Media Library

Click to tick this box, which will save your amended image in the ***IT Media Library*** for use at another time. (The picture will be saved when you click **OK**.)

OK and cancel

Click **OK** when you have finished.

If you make a mistake, click the **cancel** button.

» The Template library

Matrix Maker comes with a large library of templates which Inclusive will update periodically to support new communication aids. Templates are just frameworks for you to add pictures to. Some of the templates already have pictures in to show you what they are for. You can choose one of these and change the pictures for your own.

Shifting your pictures from one template to another

If you have made a page using one template and later want to use the same pictures and text on a different template, use the **import matrix.mmx** tool in the **pictures** toolbar.

See page 27 for help.

Internet update

When a new version of the Template Library is available, a new button will appear on the ***Matrix Maker*** title screen:

To update your Template Library, just click the button.

Updating computers not on the Internet

If your computer is not connected to the Internet it will not find out about the update. As an alternative, you can download the latest Template Library and put it on a CD-Rom or memory stick (also known as a pen drive, USB stick or flash drive):

1. Go to www.inclusive.co.uk/support/mm on a computer with an Internet connection.
2. Download the latest Templates Library file.
3. Copy the file to a CD-Rom or memory stick.
4. Copy the file onto the computer with ***Matrix Maker*** on it.
5. Double-click the file. ***Matrix Maker*** will launch and then update its Template Library.

Requesting templates

Inclusive welcomes requests for specific templates you need. Just give us a call on 01457 819790 (UK), or 704-243-3622 (US). Ask for customer support.

You can also email us at support@inclusive.co.uk.

» The Inclusive Technology Media Library

The ***IT Media Library*** is a large collection of pictures which you can use in ***Matrix Maker***. It is kept separate so it can be used by other programs.

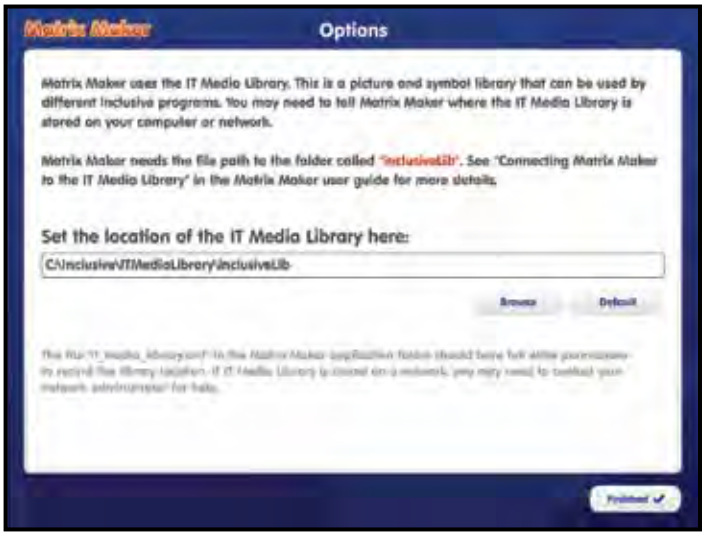
It includes a “Manager” program called ***IT Media Library*** to allow you to add your own pictures and categorise them. This looks similar to what you see in ***Matrix Maker***:

The ***IT Media Library*** manager program:

Connecting Matrix Maker to IT Media Library

If the **Media Library** button in ***Matrix Maker*** gives you the message “Cannot find ***IT Media Library***”, you need to show ***Matrix Maker*** where it is:

1. Run ***Matrix Maker*** from its desktop icon.
2. On the ***Matrix Maker*** title screen, click the **Options** button. This will display the Options screen.



3. Click the Browse button and navigate to where you keep your ***IT Media Library***. (This might be on your computer or on your establishment’s network server.) Find the folder called **inclusive.Lib**, click on it and then click **OK**.

Note for network managers

1. ***IT Media Library*** has been designed to be a shared resource. You should only have one copy of it in your school or department. It is recommended that you install it to a central server. Installations of Inclusive software such as ***Matrix Maker*** can then be simply connected to it, whether these are on the same server or on client machines. Staff can then use it to share frequently used images.

Write permissions should be enabled to allow staff to save images to the library and its database.

2. The file "it_media_library.xml" in the ***Matrix Maker*** application folder should have full write permissions to record the Media Library location.

3. **Security:** the ***IT Media Library*** program has an online facility to add new images to the library, but there is no built-in function to access images from outside your establishment. Therefore there is no intended security risk to personal data.

» The IT Media Library manager program

The ***IT Media Library*** comes with a manager program. To run this, just double-click on the ***IT Media Library*** icon on your desktop, or in the Windows Start menu and on the Inclusive Technology folder.

Here you can:

- Add lots of your own pictures.
- Give them proper names, such as “our garden” instead of “DSFC000435”.
- Sort your pictures into categories, so you and others can find them easily in ***Matrix Maker***.
- Enter “search terms” that describe your pictures. These will be used by the **search** tool in the Media Library.

Finding your pictures

If you have used the “Add to Media Library” tick box in ***Matrix Maker***, you will find these pictures by clicking the **my media** tab at the top.

You can find pictures in ***IT Media Library*** just like you do in ***Matrix Maker***:

- Search. Just type in the **search** box! Matching pictures will appear as you type. Sometimes these will appear as a little Media Library folder. Double-click the folder to see all the pictures inside.
- Browse by category. Click the **categories** tab at the top. We have organised all the Inclusive pictures into subject categories. Each category has sub-categories within it. Double-click a category to see the sub-categories inside that.
- Browse by alphabet. Click the **A-Z** tab at the top. This organises all the pictures into folders alphabetically.
- Browse pictures you have added to the media library yourself. Click the **my media** tab at the top.

Printing pictures

Find the picture you want and click the print button. This tool prints your page. The standard Windows **Print** dialogue box will appear, to confirm you want to print.

Using the pictures in other programs – the export button

You can export any of the pictures in the ***IT Media Library***, and use them in any other software that can use JPG format pictures. (ie: most software that uses pictures.)

Find the picture you want and click the **export** button. A standard Windows **Save** dialogue box will appear where you can edit the name of the JPG file and choose where to save it.

Adding your own pictures

You can easily add your own pictures to the ***IT Media Library***. Click the **add picture** button, then use the Windows open dialogue to find your pictures.

To see your pictures, click the **my media** tab at the top of the screen.

Changing the name of a picture

To change the name of a picture, just click on its current name underneath the picture on the right. Edit the name there, then click on the **save** button.

Note: you cannot change the names of Symbolstix™ images.

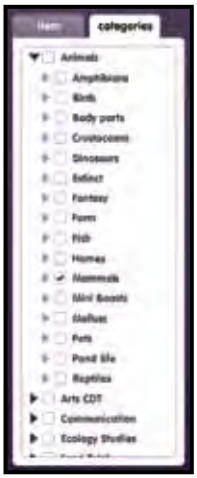
Adding keywords to pictures

You can add synonyms and other descriptive words to your pictures to help people find them in ***Matrix Maker***.

This is easy. Just click in the keywords box, press the **Enter** key and start typing. When you have finished, click on the **save** button. Keywords can also be deleted this way.

Note: You cannot change the keywords of Symbolstix™ images.

Categorising pictures



You can add your pictures to the category system built into the ***IT Media Library***. Just select a picture and click the **category** tab at the top right.

This lists all the categories and sub-categories, with tick boxes.

To see inside a category, click the arrow triangle next to its name. This will show the sub-categories as an indented list. Click the boxes to tick and untick them.

This will add and remove the picture from the categories.

Note: you cannot change the categories of Symbolstix™ images.

Media Library Online Update

When the ***IT Media Library*** manager program is run, its title page will tell you if there are any updates available. Just click on the button to run the update.

This will only work if your computer is connected to the internet. It may take some minutes to complete an update, so do it when you have some quiet time.

The Media Library button in *Matrix Maker* gives you the message "Cannot find *IT Media Library*".

See **Connecting *Matrix Maker* to the *IT Media Library*** on page 49. This problem may also happen if either ***Matrix Maker*** or the ***IT Media Library*** have been reinstalled, or if the ***IT Media Library*** is deleted.

***Matrix Maker* has disappeared**

It's possible that you clicked the minimise tool in the save + print toolbar. Don't worry, ***Matrix Maker*** is still running. You should see its name at the bottom of your screen in the Windows "task bar". Just click on that to get ***Matrix Maker*** back.

The printout for my communication aid does not fit

Often different printers will print out pages at slightly different sizes, but this should only be by one or two millimetres. If the printed page is completely the wrong size, you need to check the settings in the Windows Print pop-up. (This is the window that appears when you click the **print** button in ***Matrix Maker***.) Different printers will have different settings.

Make sure options such as "fit to page" or "shrink to fit" are not ticked. Make sure the printer is set to print one page per sheet.

Some of my printout is missing

Some pages need to be printed on two sheets of paper. Make sure your printer hasn't run out of paper or has some other problem.

How can I transfer all the pictures I have on one template to another template?

Use the **import matrix.mmx** tool on the **pictures** toolbar. See page 27.

» Troubleshooting

This is a simple guide to common problems when trying to install, remove or use any new software. If you need any further assistance, please contact us. Our online support website is available at www.inclusive.co.uk (click on support), e-mail us on support@inclusive.co.uk or telephone Technical Support on 01457 819723.

1. I put my CD in and nothing happens.

To install the software, do the following:

- Click on 'My Computer'. This is either on the desktop of your computer or in the Windows Start Menu.

- This will open a window showing all your computer drives. Double-click on your CD drive (usually the D drive) and you will see a list of everything on the CD. There will be an icon called 'Setup'. Double-click on this icon and the software installation will start.

2. I have installed the program but no text appears in the menu.

To complete the installation you must restart your machine. After a reboot, all text will appear.

3. I would like to remove the software but don't know how.

There are two ways to remove programs:

a) Go to the Windows Start menu. Click Settings and then Control Panel.

Double-click on 'Add or Remove Programs'. This will bring up a window showing all software installed on your computer:

Click on the Change/Remove button and follow the prompts to remove the software.

b) Not all software appears in Add/Remove programs. If your software does not, follow these steps:

- Open 'My Computer' (see Question 1).
- Double-click on the C drive.
- Double-click on the Inclusive folder.
- Highlight the folder with the software you want to remove and press 'Delete'.

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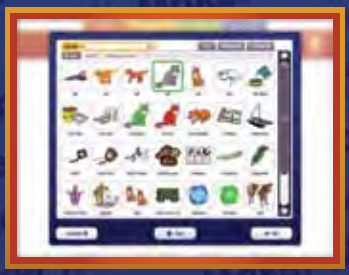

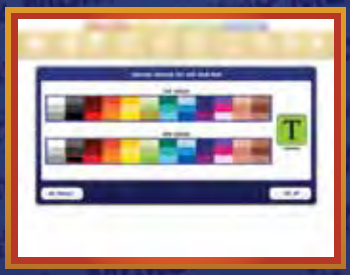

Matrix Maker has been designed to be the simplest software for making printed communication overlays and education resources.
You can make:

- Overlays for communication aids.
- Schedules and calendars.
- Communication books.
- Pointing boards.
- Sets of flash cards.
- Task sequencing charts.
- Grids and labels.
- Resources for games and worksheets.

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