For advice and assistance with this computer please contact IS Helpline:
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Introduction

This computer has been set up as an accessible workstation. It has the same software as standard open access lab computers plus additional assistive software and hardware to make it more accessible to users with disabilities. They have priority.

The following additional assistive software is installed on this computer:

- ABBYY FineReader 11 (optical character recognition)
- Adobe Digital Editions (accessible e-Book reader)
- Adobe Creative Cloud (image scanning and editing)
- ZoomText 10 (screen reader and magnifyer)

AutoCAD computer aided design software and UniSim process modelling software is available on all three Accessible PCs located in the Noreen and Kenneth Murray Library.

JAWS screen reading software is available on the PCs in Accessible Study Room 1, Noreen and Kenneth Murray Library and Accessible Study Room 2, Main Library.

Dragon Naturally Speaking voice recognition software is available on the PCs in Accessible Study Rooms 1 and 3, Main Library.

The following assistive software is installed on this Accessible PC and on all Open Access Lab PCs:

- Adobe Digital Editions (e-book reader)
- Inspiration 9 (mind mapping)
- MindGenius Business Enterprise (mind mapping)
- Sonocent Audio Notetaker 3.1 (interactive note-taking)
- Texthelp Read And Write 11 (literacy support)
Making desktop icons and text easier to see

If desktop icons and text are too small for you to see clearly, there are a few things you can do to make them easier to see.

Change desktop text size

- Open the Control Panel (Start > Control Panel).
- Select Appearance and Personalization from the list of options, then select Display.

**Note:** depending on the Windows 7 set-up, the Display option can be available in the Control Panel without having to go through the Appearance and Personalization panel first.

- Select the Medium or Larger radio button to change text size (the default text size is Smaller).
- Log off and on again to apply changes made in the Display panel.

Change desktop icon size

- Right click on a blank area of the desktop.
- From the drop-down menu select View, then select Large icons or Medium icons from the sub-menu.
- The icons will change size immediately when you select the preferred setting.
Change screen resolution

You can also make all on-screen objects larger by changing the screen resolution, though this will result in a smaller desktop workspace.

• To change the screen resolution, right click on a blank area of the desktop and select **Screen resolution** from the menu.

• In the **Screen resolution** window, you will see a button displaying the current screen resolution, which will probably be indicated as the **recommended** resolution.

• Press this button and push the slider downwards to lower the resolution.

• When you are satisfied with the selected resolution (you may want to experiment with different dimensions), click the **Apply** button. The resolution will change immediately but a small panel will pop up at the same time allowing you fifteen seconds to reject the resolution change if you prefer not to keep it.

**Note:** All the above changes will normally be retained when you log into any University open access PC. You can use the procedures above to reverse or make further changes on any open access PC.
The Windows 7 Ease of Access Center provides information, common tools and links which will allow you to make changes to the computer to suit your accessibility requirements.

To open the Ease of Access Center, choose:

Start > Control Panel > Ease of Access > Ease of Access Center

The narration and window scanning options are set to ‘on’ by default (the check boxes will be ticked) and, assuming the computer’s sound is enabled and you are using headphones, you will hear the scanning narration immediately after the Ease of Access Center is launched.

Both narration and scanning can be switched off by un-ticking the appropriate boxes in the first section of the Ease of Access Center.

In the same section, you will find Quick Access buttons to the most commonly used accessibility tools; Magnifier, Narrator, On-screen Keyboard and High Contrast.
Optical Character Recognition scanning with ABBYY FineReader

ABBYY FineReader software converts paper and electronic documents into a variety of accessible formats, e.g. from paper to editable text files such Word or RTF (Rich Text Format).

The following explains how you can use the program to scan a paper document, correct it using FineReader’s in-built OCR (Optical Character Recognition) and proofreading tools, and then save it as a Word file.

Make sure the scanner is switched on and connected to the PC.

Place the document or image you wish to scan in the scanner.

When scanning multiple documents with a scanner which has a document feeder (see image right), place the documents face up in the feeder.

When scanning images, place them face down on the scanner’s glass surface.

**Note:** You can use ABBYY with a scanner which has no document feeder but multiple document scanning will take longer. If you prefer a scanner with a document feeder, see the Accessible PC location information at the end of this guide. Please be aware that some of these scanners are located in Accessible Study Rooms and only available to key-holders.
Select **Start > All Programs > ABBYY FineReader 11 > ABBYY FineReader 11.**

If the FineReader license agreement appears when the programme starts, click **Accept** to close it and continue.

The ABBYY Welcome screen window will now open.
Select your preferred scanning task, e.g. Scan to Microsoft Word.

Click **OK** to confirm the scanner model.

You can now adjust the scanning options. For multi-page document scanning, expand the **Multi-Page Scanning** option and tick both boxes, if appropriate.
Press the **Scan** button to begin scanning. When scanning is complete, click on the **Close** button.

ABBYY will now attempt to recognize the contents of your document before opening it in Microsoft Word.

When the Word document opens, you have the option to resolve errors which ABBYY has picked up during the character recognition stage.

When errors have been resolved, press the **Read** button on the ABBYY toolbar at the top of the screen to re-recognize the text before sending it to Word.

A new Word document will open containing your scanned text or image with any edits you have carried out.
Photoshop can be used to scan images and has many editing features.

You can use Photoshop to create a scanned image, then edit and save it as a JPEG or other image file format.

Make sure the scanner is switched on and connected to the PC. Place the document you want to scan face down on the scanner’s glass surface.

Select **Start > All Programs > Adobe Photoshop**

From the top menu in Photoshop, select **File > Import > WIA Support**. The WIA Support Wizard will open.

![WIA Support Wizard](image)

Click **Start** to open the Select Device panel. The scanner should be highlighted in the panel (there will usually only be one choice of scanner).
Click **OK** to open the Scanning options window.

Make sure the paper source drop-down menu is set to **Flatbed** and then adjust the remaining options as required.

The image can be previewed prior to scanning. Previewing will allow you to adjust the area to be scanned by dragging the **marquee** edges (the dotted line seen in the above image) to the preferred position for capturing the required image area.

When you are satisfied with the settings, click the **Scan** button to complete the task.

The scanned image will open within Photoshop where it can be colour or size edited then saved to the file format of your choice, including jpg, pdf, tiff, and many more.
ZoomText Magnifier and Reader is installed on all Accessible PCs.

It allows the on-screen image to be magnified without loss of quality.

In combination with the use of personal headphones, ZoomText utilises text-to-speech (TTS) technology to read back text entered using the keyboard or from existing documents, web pages and emails.

A choice of reading voices is available and the reading speed can be adjusted.

Other accessibility features include colour contrast and pointer (cursor) adjustments.

The programme can be accessed by double clicking the yellow ZoomText icon on the desktop or from the Start menu:

**Start > All Programs > ZoomText.**
JAWS Professional 13 screen reading software has been developed for blind and visually impaired computer users. It helps users access applications for browsing the Web, reading or writing e-mail messages, working with spreadsheets, or accessing databases.

A manufacturer’s quick start guide and user manual are kept with this documentation where JAWS is available (Accessible Study Room 1, Noreen and Kenneth Murray Library and Accessible Study Room 2, Main Library).

Select Start > All Programs > JAWS 13.0 > JAWS.
CCTVs, desktop magnifiers and readers

MyReader 2
The MyReader CCTV can digitally capture and store several paper pages for manipulation, as required.
It’s a stand-alone unit with integrated monitor and a separate control pad for adjusting screen colours, reading mode and magnification.
See the large print pamphlet next to each MyReader 2 unit for detailed instructions.

Merlin elite – HD/OCR Video Magnifier
The Merlin Elite is an HD desktop magnifier with text-to-speech and optical character recognition (OCR) features. It has a 24 inch widescreen and the large document platform beneath can be used to make notes that can be viewed on the magnifier while being written. Instruction manual available next to the Merlin.

Humanware Prodigi
The Prodigi is a high quality magnifier and text-to-speech reader with OCR features, A4 document platform and touch and tap controls. Instruction manual next to the Prodigi.

Standard CCTVs
The standard CCTVs work with the computer’s monitor. When the CCTV is switched on, pressing the Video (or equivalent) button on the monitor should switch between computer and CCTV video outputs.
The wired CCTV control panel provides joystick, button or rotor control of magnification, colour contrast and guide-lines to make reading easier.
Where are the CCTVs, magnifier and reader units?

**MyReader CCTVs**
- Divinity Manson Room Lab, New College
- New College Library (MyReader 1 model)
- Mezzanine Study area, first floor, Noreen & Kenneth Murray Library, King’s Buildings

**Merlin Elite magnifier and reader**
- Accessible Study Room 1, first floor, Noreen & Kenneth Murray Library, King’s Buildings

**Humanware Prodigy magnifier and reader**
- Accessible Study Room 3, first floor, Main Library, George Square

**Standard CCTVs**
- Law Library, first floor, David Hume Tower
- Moray House Library, Dalhousie Land, St John Street
Most of the Accessible PC workstations have specialised keyboards or mice connected.

The location information at the end of this document provides more information about the types of specialised keyboard or mouse connected to particular Accessible PCs.

Keyboards available with some of the Accessible PCs include:

- Ergonomic
- BigKeys
- Mini

Specialised mice include:

- Joystick
- Quill
- Rollerball
Accessible PC Locations

This section provides information to help you find Accessible PCs around the University campuses and details the hardware available at each workstation.

Campus Maps
http://www.ed.ac.uk/maps

Accessible PCs and Accessible Study Rooms
www.ed.ac.uk/is/accessibility/pcs
Accessible PC Locations: Central Area

Main Library, first floor - Accessible Study Room 1

**Hardware**

- Manual adjustable height desk
- 24 inch monitor
- HP ScanJet 5590 scanner with document feeder
- Kensington Orbital trackball mouse
- SARA scanner / reader
- Kineses Advantage Ergonomic keyboard

**Additional software:** Dragon Naturally Speaking voice recognition software

Main Library, first floor - Accessible Study Room 2

**Hardware**

- Manual adjustable height desk
- 21 inch monitor
- HP ScanJet 5590 scanner with document feeder
- Logitech Marble trackball mouse
- BigKeys keyboard

**Additional software:** JAWS screen reading software
**Accessible PC Locations: Central Area (continued)**

**Main Library, first floor - Accessible Study Room 3**

**Hardware**

- Manual adjustable height desk
- 21 inch monitor
- HP ScanJet 5590 scanner with document feeder
- Quill left-hand mouse
- Cirque mouse pad
- Humanware Prodigi magnifier and OCR (Optical Character Recognition) reader

**Additional software:** Dragon Naturally Speaking voice recognition software

**Hugh Robson Building, George Square, basement lab**

**Hardware**

- Motorised adjustable height desk
- 24 inch monitor
- HP ScanJet 200p flatbed scanner
- 3M vertical optical joystick mouse
Accessible PC Locations: Central Area (continued)

Moray House Library, Dalhousie Land, St John Street

Hardware

- Manual adjustable height desk
- 24 inch monitor
- HP ScanJet 5590 scanner with document feeder
- Goldtouch Split adjustable keyboard
- Goldtouch number-pad
- AirO2bic quill right-handed mouse
- Tieman CCTV reader

Manson Room Lab, New College

Hardware

- Manual adjustable height desk
- 24 inch monitor
- HP ScanJet 5590 scanner with document feeder
- MyReader 2 CCTV magnifier
- Logitech Marble mouse
New College Library

Hardware

- Motorised adjustable height desk
- 24 inch monitor
- HP ScanJet 5590 scanner with document feeder
- MyReader 1 CCTV magnifier
- Microsoft Natural keyboard
- Logitech Marble mouse

Holland House Micro-Lab, Pollock Halls

Hardware

- Motorised adjustable height desk
- 24 inch monitor
- HP ScanJet Scanjet Pro 3500 scanner with document feeder
- Kensington Orbital mouse
Law Library, David Hume Tower, George Square

Hardware

- Manual adjustable height desk
- 24 inch monitor
- HP ScanJet 5590 scanner with document feeder
- Clearview Bright CCTV and Tieman programmable XY table.
- Kensington Orbit trackball mouse
- Microsoft Natural keyboard

Edinburgh College of Art Library, Evolution House

Hardware

- Manual adjustable height desk
- 24 inch monitor
- Epson Expression 10000 A3 flatbed scanner
- Logitech Marble mouse
First floor, Noreen and Kenneth Murray Library

Hardware

• Manual adjustable height desk
• 24 inch monitor
• HP ScanJet 5590p flatbed scanner
• Mini keyboard
• Belkin number pad
• Kensington SlimBlade Trackball mouse
• MyReader2 CCTV document reader (stand-alone, close to the Helpdesk)

Additional software: AutoCAD and UniSim

Noreen and Kenneth Murray Library, first floor, Accessible Study Room 1

Hardware

• Manual adjustable height desk
• 24 inch monitor
• HP ScanJet 5590 with document feeder
• Merlin elite HD / OCR / Text to speech CCTV reader
• Microsoft Natural keyboard
• 3M Ergonomic right-handed vertical optical joystick mouse

Additional software: JAWS screen reader, AutoCAD and UniSim
Accessible PC Locations: King’s Buildings (continued)

Noreen and Kenneth Murray Library, first floor, Accessible Study Room 2

Hardware

- Manual adjustable height desk
- 24 inch monitor
- HP ScanJet 5590 with document feeder
- SARA scanner / reader
- Microsoft Natural keyboard
- 3M Ergonomic right-handed vertical optical joystick mouse

Additional software: AutoCAD and UniSim

The Lady Smith of Kelvin Veterinary Library, Easter Bush

Hardware

- Electric adjustable height desk
- 24 inch monitor
- HP ScanJet Pro 3500 scanner with document feeder
- Microsoft Natural keyboard
- Vertical mouse