

TECHSENIOR

TECHNOLOGY FOR ASSISTING SENIORS

Title: Accessibility Options for Visual Impairment

Partner: Age UK

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Chapter 1 Making Text Larger

Sometimes older people need to adjust their computer to make it easier for them to use; not everyone knows how to make those small changes that can make a big difference.

The screen can be adjusted, the sounds, keyboard and mouse. These are just some things that can help older people.

1.1 PC Windows 7, Windows 8 and Windows 10

PC Screen Windows 7, 8 and 10

Many people find the text on the screen difficult to read, for example if you are working at a higher screen resolution or using a laptop with a smaller screen you may find the text too small to read easily. Also, if you have a visual impairment you may also want to increase the size of the text to make it easier to read.

Windows 8

- To open the Ease of Access Centre, press: 'Windows' logo key + 'U'
- On a touch-enabled device, swipe in from the right-hand edge of the screen, then tap 'Search' and enter Ease of Access in the search box.
- Tap 'Settings' then tap 'Ease of Access Centre' from the search results.
- Using a mouse move the mouse pointer to the upper right-hand corner of the screen, then move the pointer down to select 'Search' and enter Ease of Access in the search box.
- Tap 'Settings' then tap 'Ease of Access Centre' from the search results.

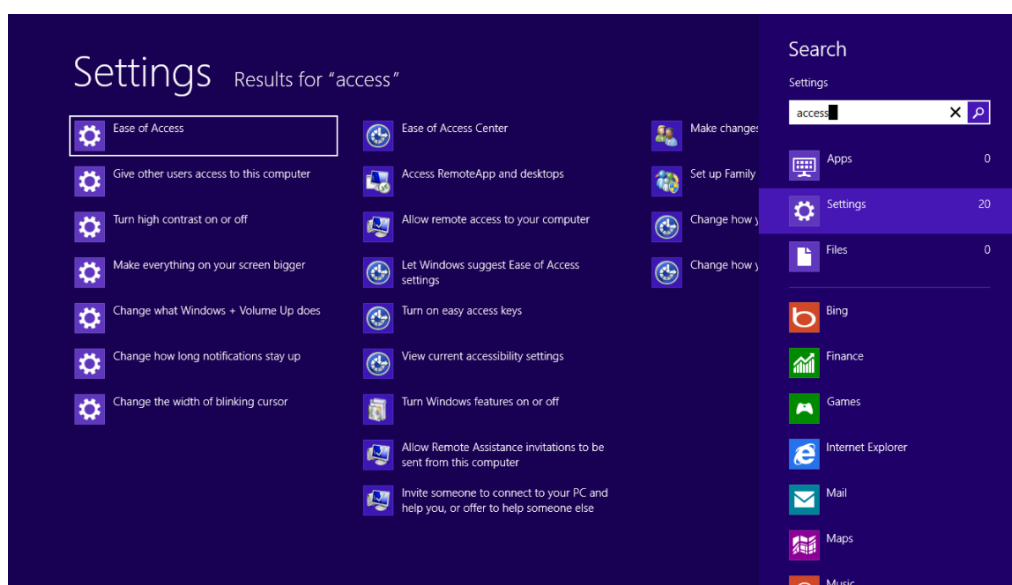


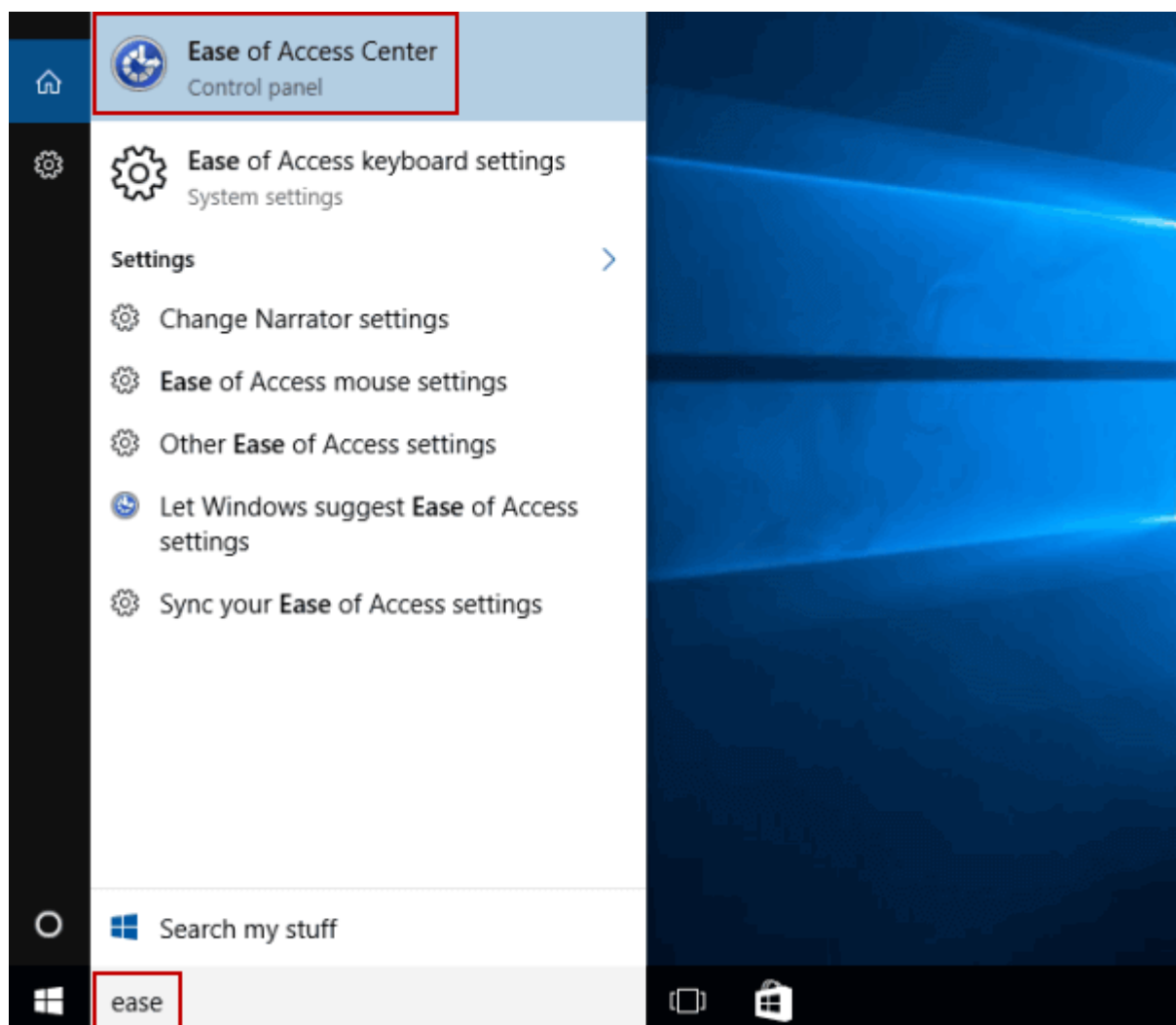
Fig 1

Windows 7

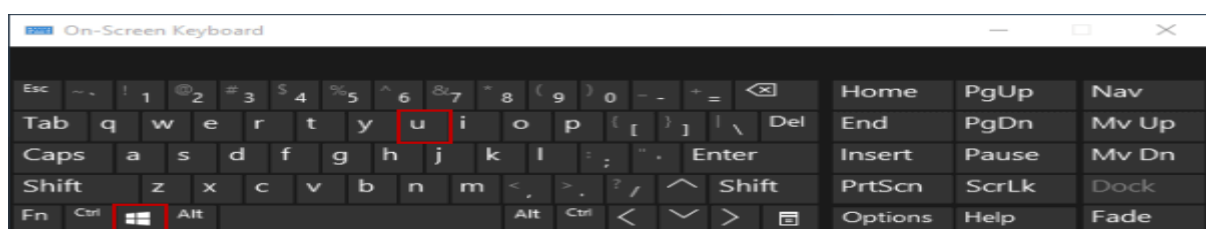
- Open 'Ease of Access Centre' press 'Windows' logo key + 'U' or click Start button 'Control Panel' + 'Ease of Access' + 'Ease of Access Centre'.

Windows 10

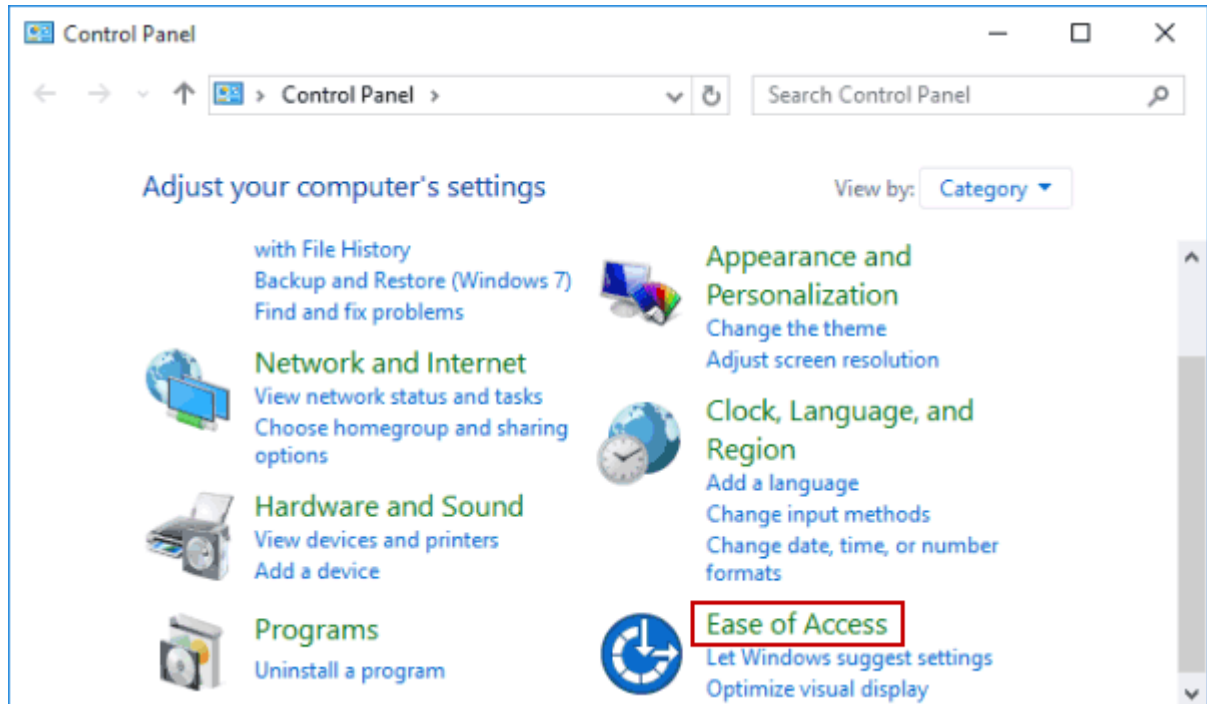
- Open it by searching. Type ease in the search box on taskbar, and choose Ease of Access Center from the result.



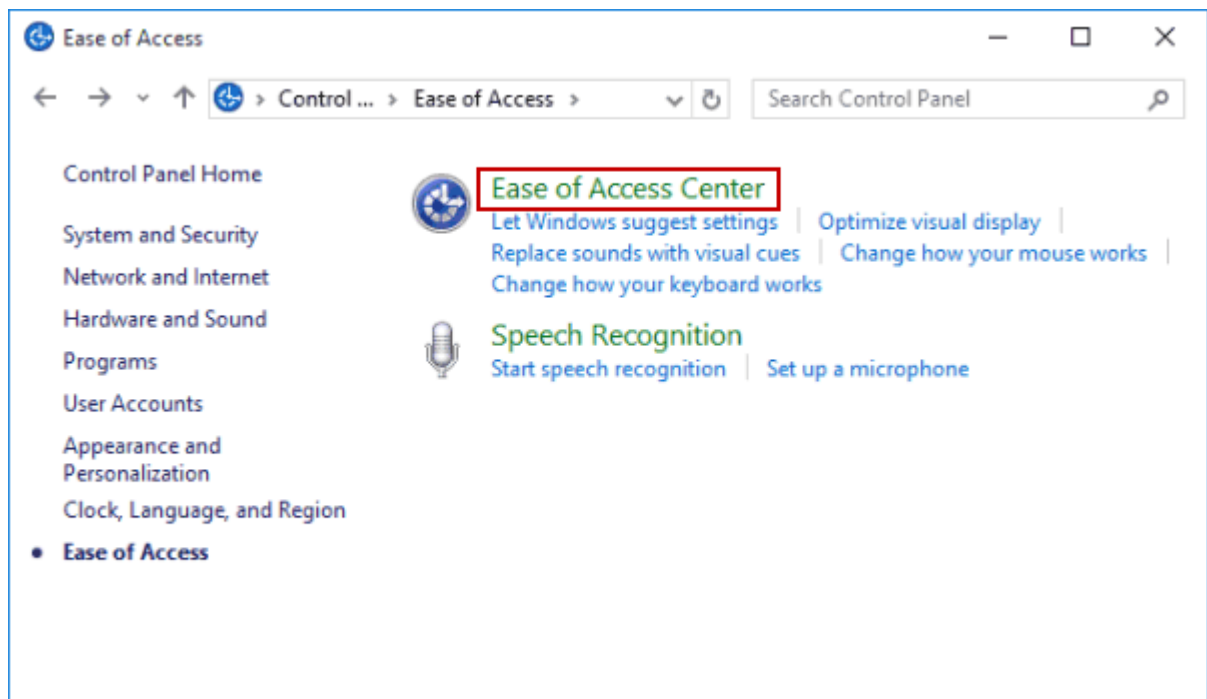
- Turn it on using keyboard shortcut. Press 'Windows' logo key + 'U' on the keyboard.



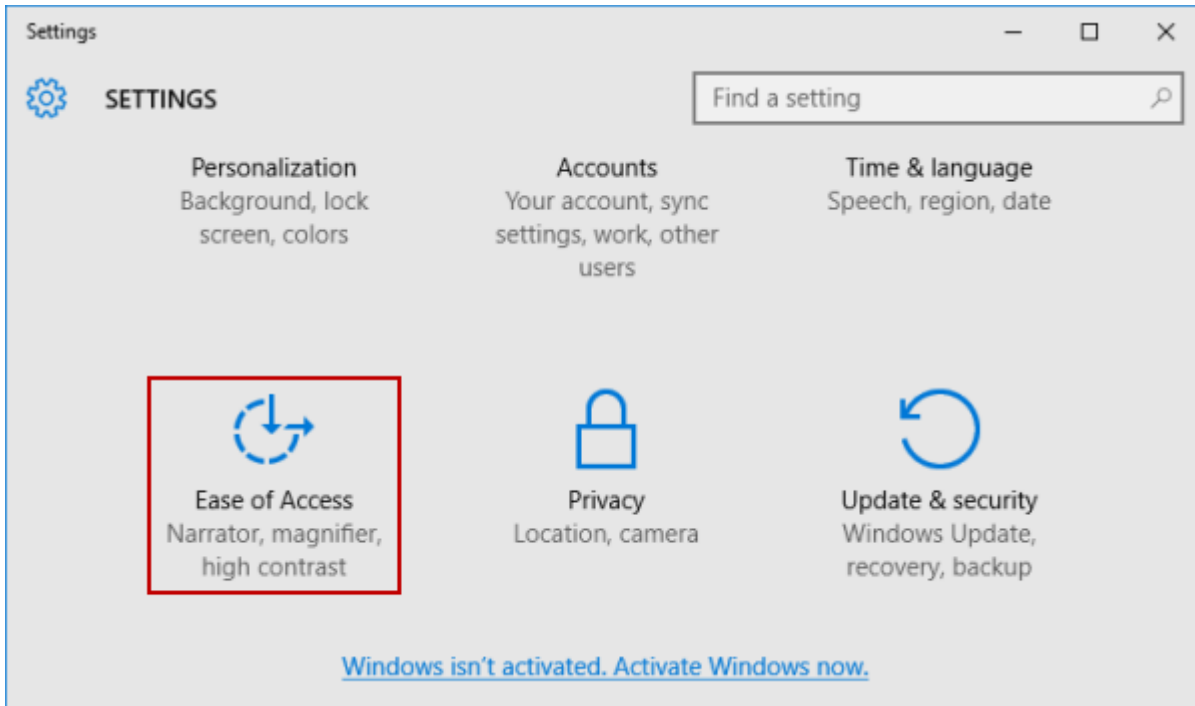
- Open it in Control Panel. Enter Control Panel. Click Ease of Access.



Select Ease of Access Center.



- Turn it on in Settings. Get into Settings. Choose Ease of Access.



Windows 7, 8 and 10

Step 1

- Under Explore all settings, 'Tab' to or click to select 'Make the computer easier to see'.
- Under Make things on the screen larger, press 'Alt' + 'Z' or click to select 'Change the size of text and icons'.
- There are two options, to select the size you want click to select or press 'Alt + S' for the default scale which is 100% or 'Alt' + 'M' for the larger scale 125%, (Fig 2).

Make it easier to read what's on your screen

You can change the size of text and other items on your screen by choosing one of these options. To temporarily enlarge just part of the screen, use the [Magnifier](#) tool.

☐ Smaller - 100% (default)

Preview

☒ Medium - 125%



Fig 2

- › 'Tab' to or click 'Apply' then press 'Enter' to accept your changes. You may then be required to restart your machine.

Windows 8

Change the text size only

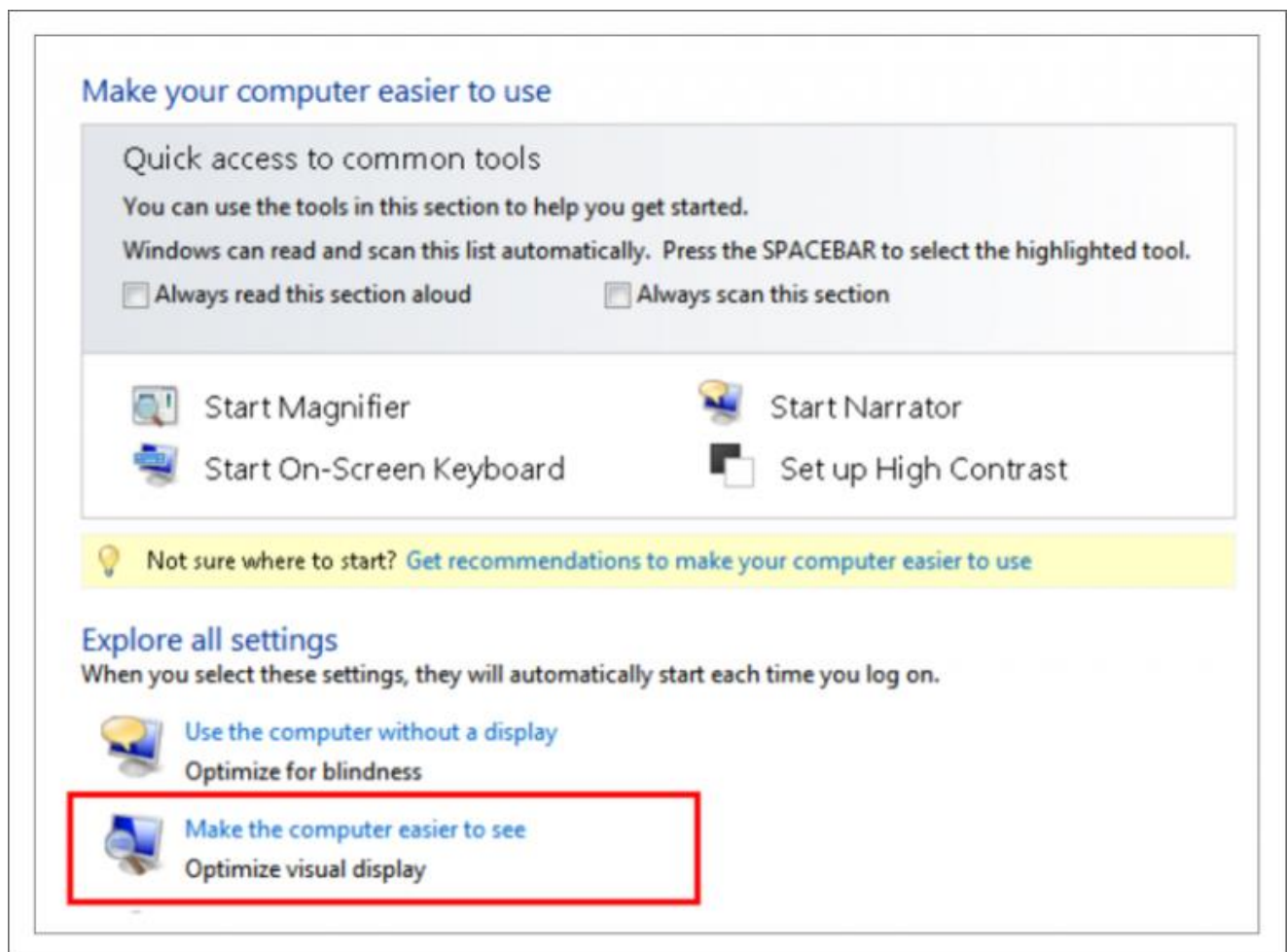
In Windows 8 you now have the option to change the text size of specific items such as Menus or Icons rather than changing everything on the desktop.

- › Tab to the drop-down menu under 'Change the text size only' and use the up and down arrow keys to scroll through the options.
- › Tab again to select the text size and use the arrow keys to increase or decrease the text size.
- › Press 'Alt + B' to select 'Bold'.

Windows 10

Change the text size only

Under 'Explore all settings' 'Tab' to and 'Enter' or click to select 'Make the computer easier to see'



The 'Make the computer easier to see' window will appear. 'Tab' to and 'Enter' or click to select 'Change the size of text and Icons,' at the bottom

Make the computer easier to see

When you select these settings, they will automatically start each time you log on.

High Contrast

[Choose a High Contrast theme](#)

☒ Turn on or off High Contrast when left ALT + left SHIFT + PRINT SCREEN is pressed

When using keyboard shortcuts to turn Ease of Access settings on:

☐ Display a warning message when turning a setting on

☒ Make a sound when turning a setting on or off

Hear text and descriptions read aloud

☐ Turn on Narrator

Narrator reads aloud any text on the screen. You will need speakers.

☐ Turn on Audio Description

Hear descriptions of what's happening in videos (when available).

Make things on the screen larger

[Change the size of text and icons](#)

☐ Turn on Magnifier

Magnifier zooms in anywhere on the screen, and makes everything in that area larger. You can move Magnifier around, lock it in one place, or resize it.

'Tab' to 'Title Bars' and press 'Up/Down' arrow keys, or click to select and choose from: Title Bars, Menus, Message Boxes, Palette Titles, Icons, Tooltips

Change the text size only

Instead of changing the size of everything on the desktop, change only the text size for a specific item.

Title bars

Title bars
Menus
Message boxes
Palette titles
Icons
Tooltips

9
☐ Bold

Apply

Windows 7 and 8

Changing the screen resolution

- Under Explore all settings, 'Tab' to or click to select 'Make the computer easier to see', (Fig 3).
- Click on or press 'Alt' + 'Z' to select 'Change the size of text and icons' under 'Making things on the screen larger'.
- Select or 'TAB' to 'Change Display Settings'.
- To change your screen resolution, click to select and drag the pointer or press 'Alt + R' then use the arrow keys, (Fig 4).
- 'Tab' to 'OK' then press 'Enter' or click on 'OK' to accept your changes.

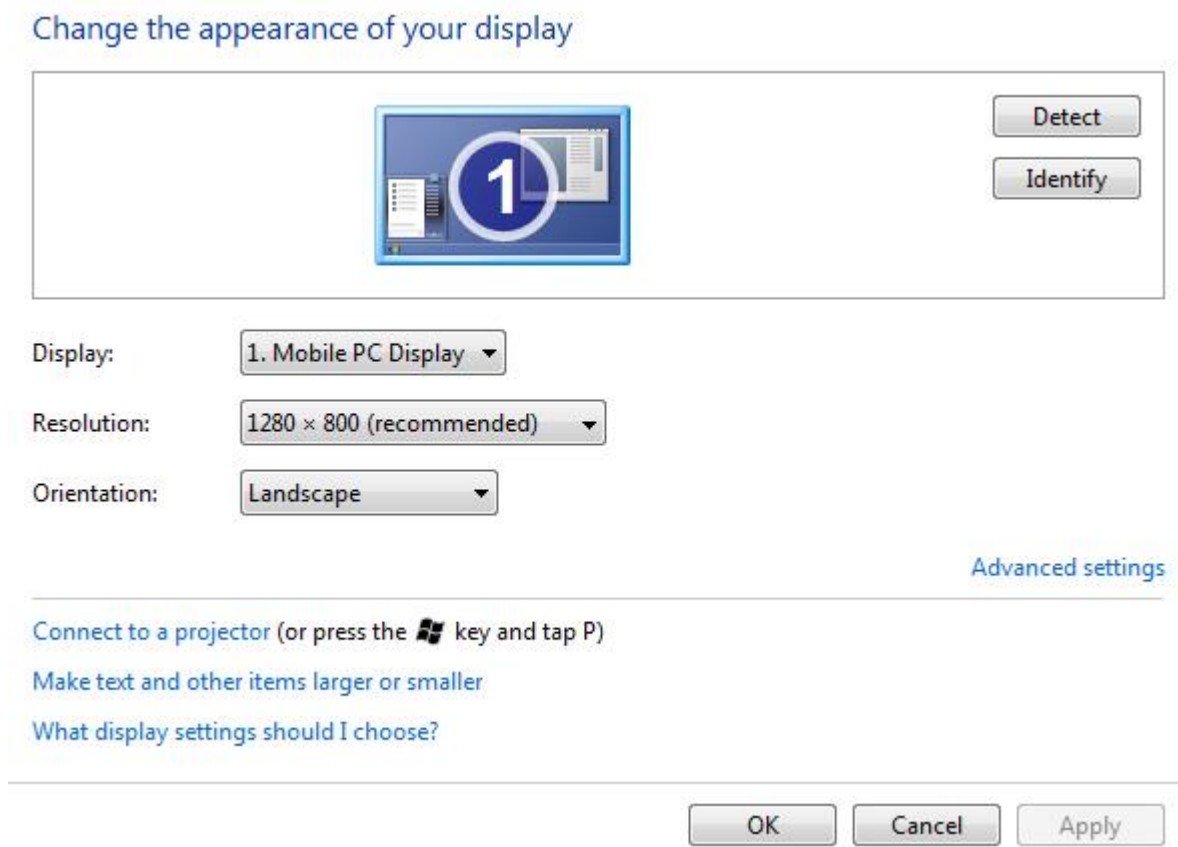


Fig 4

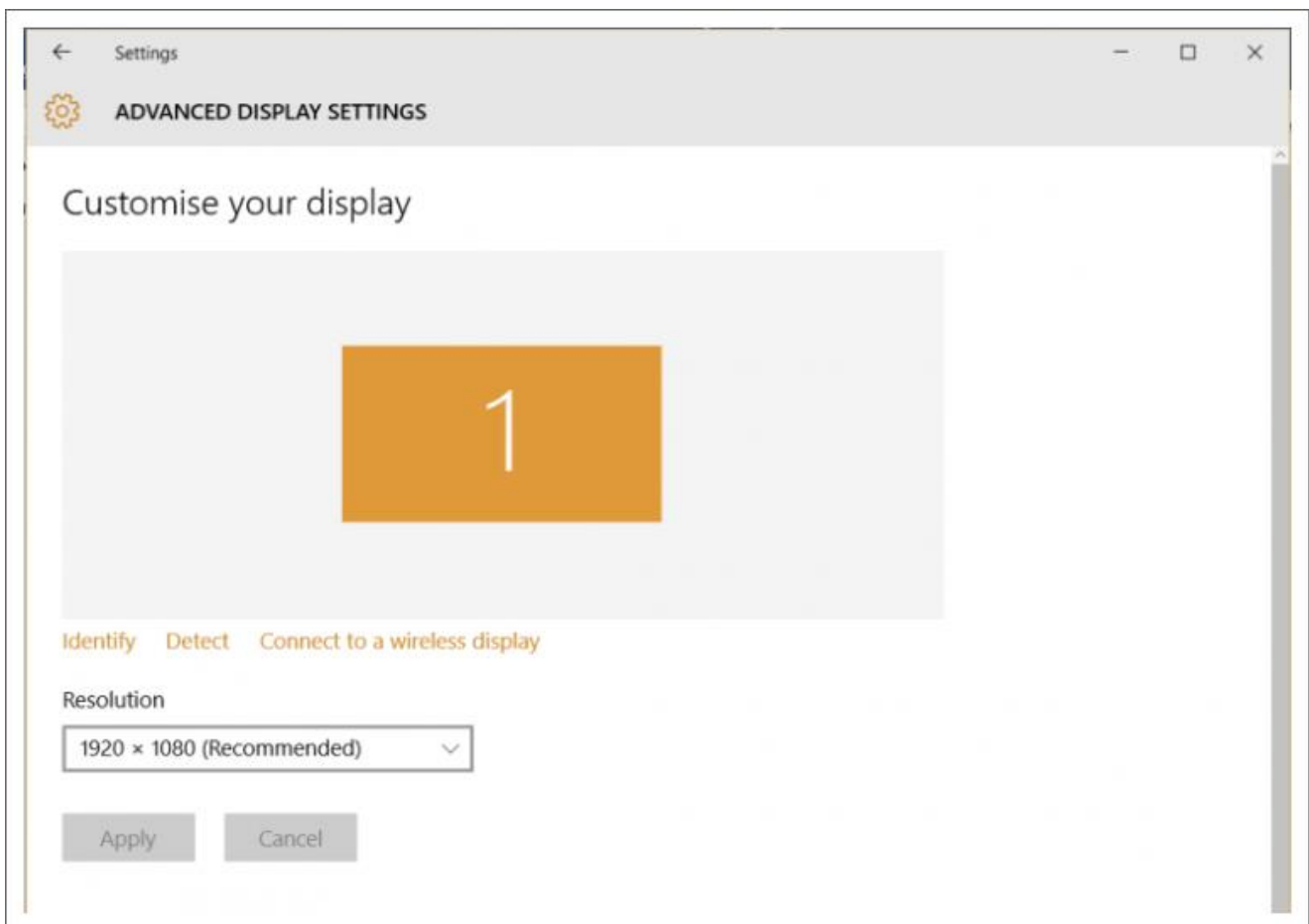
From the Desktop

- In Windows 7 you can also go directly to the screen, (Fig 4) by right clicking anywhere on the desktop.
- Select 'Screen Resolution' this will open the window shown in (Fig 4) above.

Windows 10

Changing the screen resolution

- Click the right key on the desktop, then click the "Display settings" button. Click the "Advanced display settings" button. You can select the correct screen resolution.
- You can change the screen resolution via click the "Start" button. Then click the "system" button, and you can see the display settings.



More information is available on a website in English only <https://mcmw.abilitynet.org.uk/>

It is possible to link to their website, but that assumes that the learner can already use some of the basic functions of accessibility available with their mobile and/or PC screen.

Chapter 2 Mobile and/or tablet

2.1 ANDROID

Android 7 Nougat – Large text (update June 2017)

- You can make the text larger using the accessibility options on your Android device.
- You can increase the default size of text throughout the operating system using the 'Font size' option.
- You can also change the resolution of the screen using the 'Display size' option. Adjusting the display size increases (or decreases) the size of text and most of the graphical elements throughout the device's operating system.

Changing the 'Font size' settings:

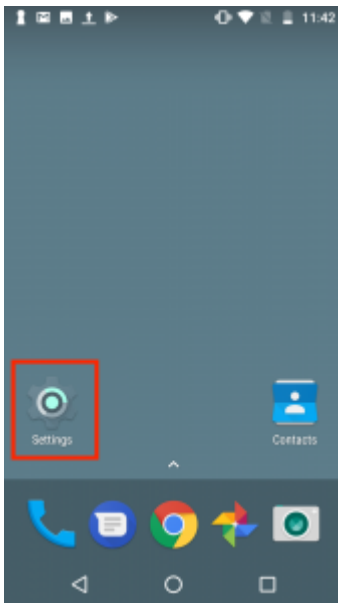


Fig 1

1. Tap on the 'Settings' icon on the home screen, see Fig 1. Note: If the 'Settings' icon doesn't appear on your home screen, slide-up from the bottom of the screen to open the 'app drawer' and locate it. (Fig 1)
2. Scroll down to the 'System' section and tap on 'Accessibility', (Fig 2)

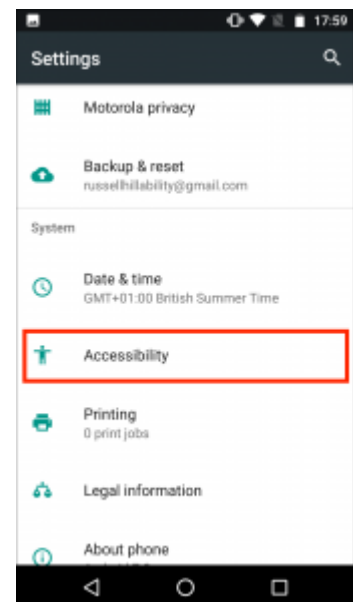


Fig 2

3. Scroll down to the 'System' section and tap on 'Font size', (Fig 3).

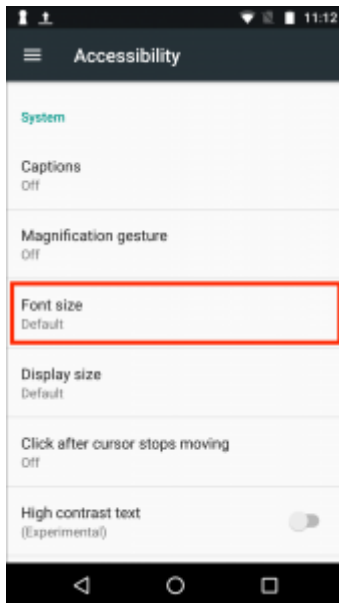


Fig 3

4. You can increase or decrease the text size by dragging the circular handle left and right on the slider bar or by tapping the large or small 'A' buttons either size of the slider bar, (Fig 4).

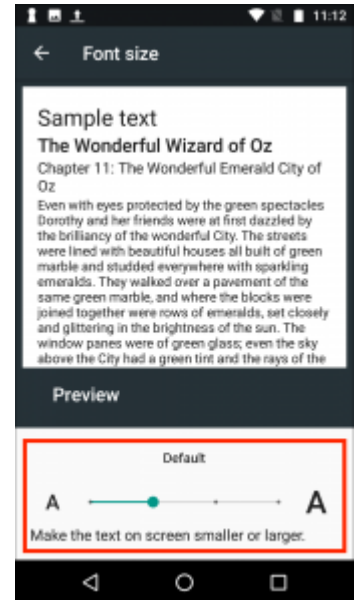


Fig 4

5. When you are happy with your 'Font size' settings press your device's 'Home button' to return to the home screen.

Changing the 'Display size' settings:

1. Tap on the 'Settings' icon on the home screen, Fig 5. Note: If the 'Settings' icon doesn't appear on your home screen, slide-up from the bottom of the screen to open the 'app drawer' and locate it. (Fig 5)

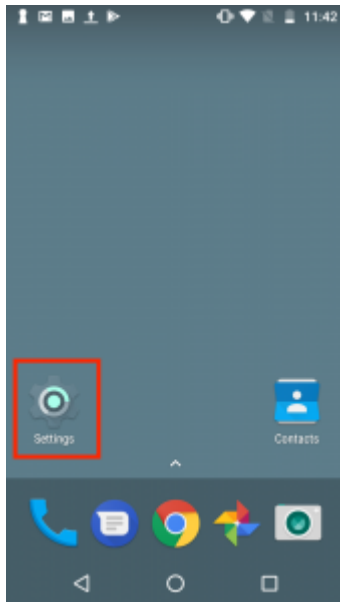


Fig 5

2. Scroll down to the 'System' section and tap on 'Accessibility', (Fig 6)

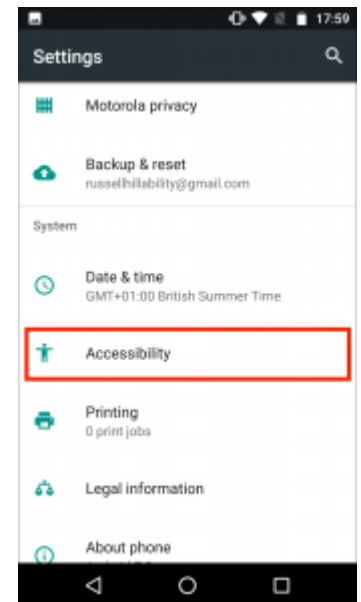


Fig 6

3. Scroll down to the 'System' section and tap on 'Display size', (Fig 7)



Fig 7

4. You can increase or decrease the display size by dragging the circular handle left and right on the on the slider bar or by tapping the '+' (plus) or '-' (minus) buttons either size of the slider bar, (Fig 8)

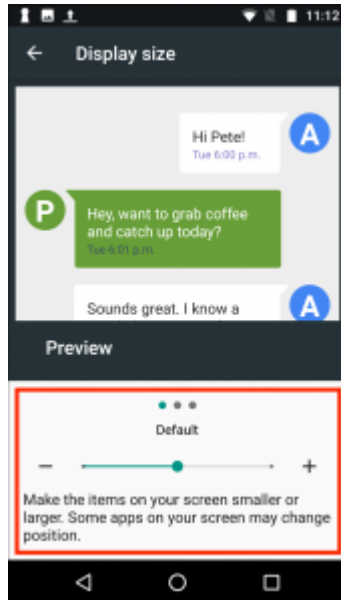


Fig 8

5. When you are happy with your '**Display size**' settings press your device's '**Home button**' to return to the home screen.

Note: These instructions apply to the stock version of **Android 7 Nougat**. Please be aware that many device manufacturers add their own customisations to the Android operating systems so you may find minor differences from the steps shown.

2.1 iPhone/iPad/iPod Touch iOS 10 (as at June 2017)

Larger Text

Increasing the text size can be done without losing sharpness quality and you can choose from 7 different sizes of type when using apps which support this feature (such as mail, notes, contacts, messages and calendars). With 'Larger Accessibility Sizes' selected, an additional five, larger, type sizes are available.

1. Tap the 'Settings' icon on your home screen. (*Fig 1*)



Fig 1

2. Tap on 'General'. (*Fig 2*)



Fig 2

3. Tap on 'Accessibility'. (Fig 3)



Fig 3

4. Under the 'Vision' section, tap on 'Larger Text'. (Fig 4)



Fig 4

5. To access the full range of text size options, tap on the toggle switch to the right of 'Larger Accessibility Sizes'. (Fig 5)



Fig 5

6. To change the text size, drag the slider to the left (for smaller text) or to the right (for larger text). (Fig 6)



Fig 6

7. When you are happy with your settings, either tap 'Accessibility' in the top left of the screen to return to the main 'Accessibility' settings screen or press your device's 'Home' button to return to the home screen.

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