USER MANUAL

iZoom

Screen Magnifier/Reader

www.trysight.com

Table of Contents

1.0 Installation **7**

2.0 Starting/Closing iZoom **8**

3.0 Magnification

3.1 Enable / Disable **11**
3.2 Increase / Decrease **12**
3.3 Zoom Modes **13**
3.4 Adjusting Lens Size/Position **18**
3.5 Freeze Window **20**
3.6 Mouse Enhancements **22**
3.7 Locators. **24**

3.8 Color Enhancements **26**
3.9 Smoothing **28**
3.10 Smart Align **30**
3.11 Scroll Padding **33**
3.12 Zoom Scroll Bars **35**
3.13 Focus Highlighting **38**
3.14 Caret Tracking **39**
3.15 Screen Panning **41**
3.16 Dual Monitor **42**

4.0 Speech

4.1 Voice Properties **45**
4.2 Echo Settings **46**
4.3 Narration **52**

5.0 Other Settings

5.1 Hot-Keys **54**
5.2 Start iZoom on startup **58**
5.3 Transferring License **58**

Introduction

iZoom is a Screen Magnifier/Reader designed to help those with visual impairments. iZoom can enhance various aspects of your screen such as size, colour, mouse pointer etc. to make your computing experience easier. It is available in various versions such as a downloadable version known as iZoom Standard, a flash drive known as iZoom USB and more. For a comprehensive listing of Trysight's line of products, visit www.trysight.com

1.0 Installation

iZoom USB requires no installation. However, iZoom Standard does. If you purchased iZoom Standard, double click the setup file provided as shown in Figure 1.



Figure 1

If a security warning dialog appears, press “Run”. Then follow

the on screen instructions to complete installation.

2.0 Starting/Closing iZoom

iZoom Standard: Double click the iZoom icon on your desktop as shown in Figure 2.



Figure

iZoom USB: Insert the iZoom USB drive into any available USB port. The first time iZoom is inserted into a new computer, you need to click "StartProgram.bat" located in the root folder of the iZoom drive. On subsequent insertions, iZoom will start automatically.

Closing iZoom

All versions of iZoom must be closed by pressing the X button on

the top right of the iZoom window or the Eject button , as shown in Figure 4. Alternatively, iZoom may be closed using a shortcut key. Refer to section **5.1 HotKeys** for details.

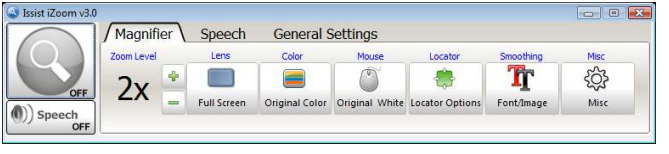


Figure 4

3.0 Magnification

3.1 Enable/Disable magnification

By default, iZoom starts with zooming enabled. The screen will be magnified and only a part of the unmagnified screen will be visible at any given time. Press the large magnifying glass icon as shown in Figure 7 to Enable/Disable magnification. Figure 8 shows a grey magnifying glass, indicating magnification is disabled.



Figure 7



Figure 8

3.2 Increase/Decrease Magnification

iZoom provides magnification levels from 1X to 36X. Magnification occurs in increments of 0.5X until 3X. Above 3X, it occurs in increments of 1X.

Increase the magnification pressing the  button. Decrease the magnification by pressing the  button.

3.3 Zoom Modes

iZoom offers 8 zooming modes. The default zoom mode is Full Screen. To change the zoom mode, click the “Lens” button on the iZoom window. As shown in Figure 9, the iZoom window will expand vertically revealing additional zoom modes.

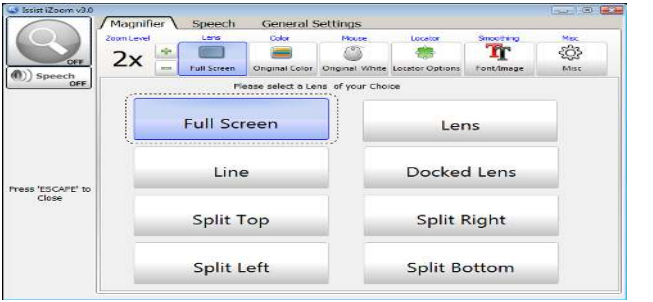


Figure 9

Full Screen: The magnification area will occupy the whole screen and only a portion of the unmagnified screen will be visible at any given time.

Lens: The magnification area will be a rectangular area following the mouse cursor, magnifying

everything under it. The unmagnified screen will be visible at all times. Once lens mode is selected, the size of the rectangular area can be adjusted by pressing the “Adjust lens” button. See section 3.4 for details.

Line: The magnification area will be a wide line across the screen, following the mouse cursor. Areas under the line will appear magnified, while areas outside the line will remain unmagnified.

Docked Lens: The magnification area will be a rectangle and all items around the mouse pointer

will appear magnified. The rectangular area itself will not change position. Once docked lens is selected, the position and size of the rectangular area can be adjusted by pressing the “Adjust lens” button. See section 3.4 for details.

Split Top Lens: The screen will be split into equal two areas. The unmagnified view will remain in the bottom half, while the magnified view will remain in the top half.

Split Bottom Lens: The screen will be split into equal two areas. The

magnified view will remain in the bottom half, while the unmagnified view will remain in the top half.

Split Left Lens: The screen will be split into equal two areas. The magnified view will remain in the left half, while the unmagnified view will remain in the right half.

Split Right Lens: The screen will be split into equal two areas. The magnified view will remain in the right half, while the unmagnified view will remain in the left half.

3.4 Adjusting Lens Size/Position

The Lens mode and Docked Lens Mode display a rectangular lens on the screen in which the magnified area is displayed. The size and position of this lens may be adjusted as follows.

Select Docked Lens or Lens zoom mode. A blue button will appear below the Lens button and will display “Adjust Lens” as shown in Figure 10.

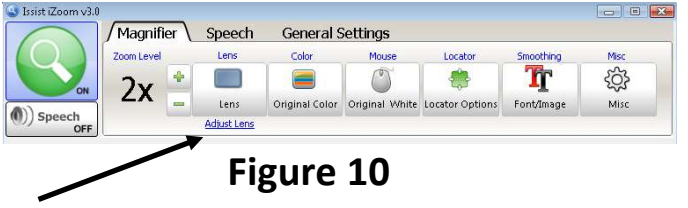


Figure 10

Select the “Adjust Lens button”. A rectangular lens will appear with red buttons on the corners. Adjust the lens to desired size and position by holding the red squares and dragging. When done adjusting, press the Esc key or right mouse button to return to iZoom.

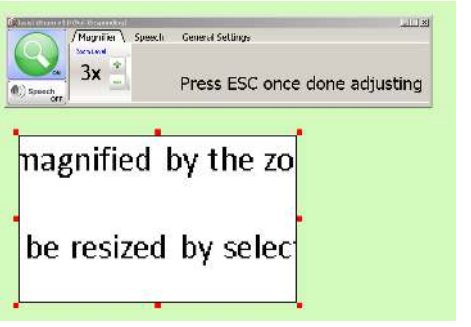


Figure 11

3.5 Freeze Window

Use iZoom's Freeze Window feature to lock any area of the screen and keep it in view on top of all other items of the screen.

To lock an area of the screen, hold down CTRL+ALT+SHIFT together. Drag the mouse pointer across the area to lock, then release CTRL+ALT+SHIFT. The locked area will appear in one of the 4 corners of the screen. To remove the freeze window, press CTRL+ALT+SHIFT and release quickly without moving the mouse.

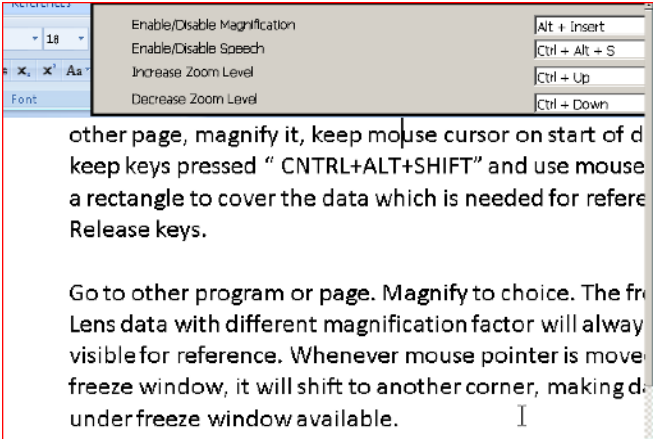


Figure 12

3.6 Mouse Enhancements

To change the appearance of the mouse, press the "Mouse" Button on the iZoom Window. The iZoom

window will expand as shown in Figure 13. Select Pointer size and color based on your preference. When completed, press the Mouse button again or press the Esc key.

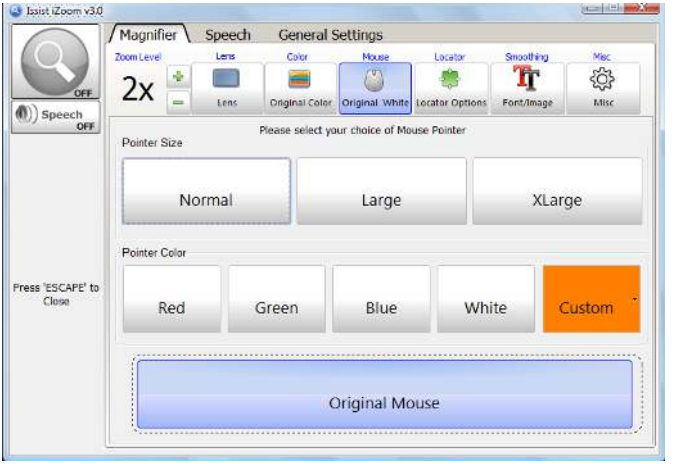


Figure 13

3.7 Locators

Locators are used to help locate the mouse pointer. To select locators, press the “Locator” button on the iZoom Window. The iZoom Window will expand as shown in Figure 14. Locator type has 6 options. Circle 1 will display a circle around the mouse pointer at all times. Circle 2 will display a circle only when the mouse is moving. Mini Cross 1 will display a small cross around the mouse pointer at all times. Mini Cross 2 will display a small cross only when

the mouse is moving. Full Cross 1 will display a full cross around the mouse pointer at all times. Full Cross 2 will display a full cross only when the mouse is moving.

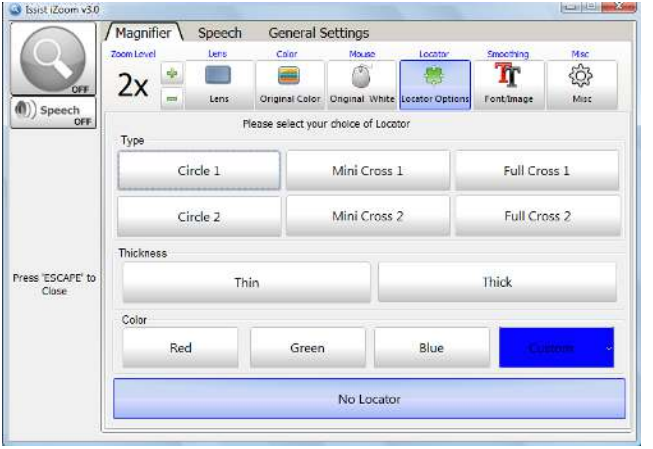


Figure 14

Use the Thickness and Color options to set thickness and Color of the locator. Once done, press the “Color” button or the “Esc” key to collapse the iZoom Window to normal.

3.8 Color Enhancements

Screen colors can be adjusted to reduce glare, replace colors etc. iZoom supports various preset color schemes and also supports creation of custom color schemes. To select a color scheme, press the

"Color" button on the iZoom Window. The iZoom Window will expand as shown in Figure 15.

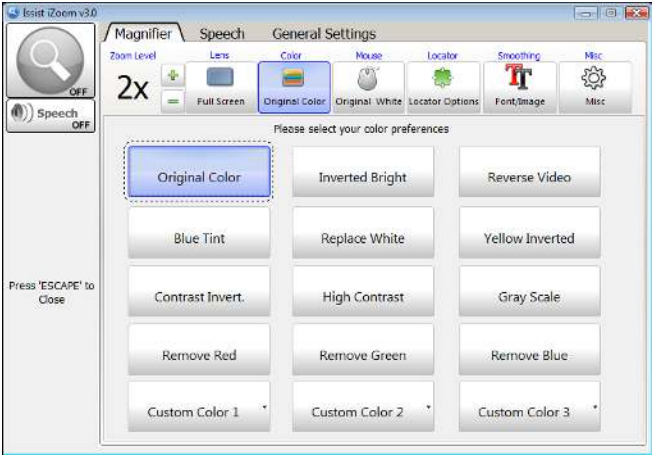


Figure 15

Original Colors is the default color scheme. It will not make any

changes to the screen colors. Try the different color schemes to find a suitable fit. Press the “Color” button or the Esc key when done.

3.9 Smoothing

iZoom supports Font and Image smoothing. These options improve the font and image quality.

However, both of these options require more computing power and cause iZoom to run slower on older computers. Font smoothing may cause overlapped text in some circumstances. Disable font smoothing during such situations to resolve the issue.

By default, Image Smoothing is Off and font smoothing is On. To change these options, click the “Smoothing” button on the iZoom Window.

The iZoom Window will expand revealing the Image and Font Smoothing options. Press the “Smoothing” button or the Esc key when done.

3.10 SmartAlign

Use SmartAlign to swiftly realign text on web pages in Internet Explorer or Firefox.
Place the mouse pointer over text to be read. Hold down the left mouse button on text to be read for half a second. The computer will produce a short beep,

indicating iZoom has detected your request to realign the webpage. If the webpage is large, it may take a few seconds before the reformatted web page will appear on the screen. Use the Up/Down arrow keys to scroll through text. Alternatively, you may use Page Up/Page Down to scroll. Once done reading, simply move the mouse to exit from SmartAlign mode.



Figure 16. *An example of SmartAlign*

3.11 Scroll Padding

Scroll Padding determines how far the mouse must be moved to the edge of the screen before the viewing area is moved. Setting scroll padding to 0% will require movement of the mouse to the absolute edge of the magnified view in order to scroll. Setting scroll padding to 50% will result in scrolling even with the slightest movement of the mouse. Experiment with scroll padding to find your preferred setting.

To change scroll padding, press the “Misc” button on the iZoom Window. Select the “Preferences” tab as shown in Figure 17. Use the “Scroll Padding” slider to set scroll padding. Press the “Misc” button or the “Esc” key when done.

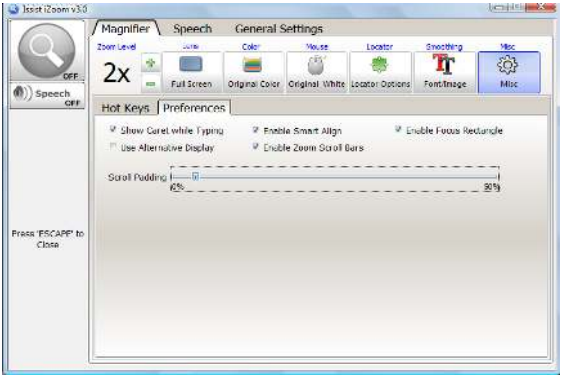


Figure 17

3.12 Zoom Scroll Bars

Zoom Scroll Bars help to determine location of the original screen being magnified. They appear as two red rectangles at the bottom and right of the screen. As the magnified view is scrolled up, the vertical scroll bar moves up and vice versa. As the magnified view is scrolled right, the horizontal scroll bar moves right and vice versa. The intersection is the area of the original screen being viewed.

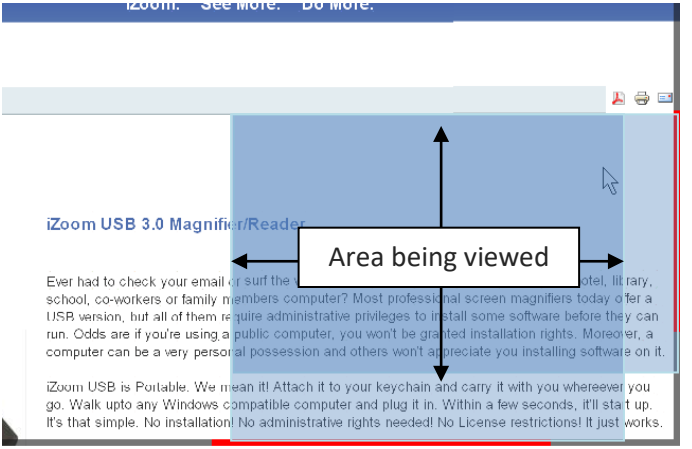


Figure 18

To Enable/Disable zoom scroll bars, click the “Misc” button in the iZoom window. Click the “Preferences” tab as shown in Figure 19. Use the “Zoom Scroll

Bars" check box to enable/disable zoom scroll bars. Press the "Misc" button or the Esc key when done.

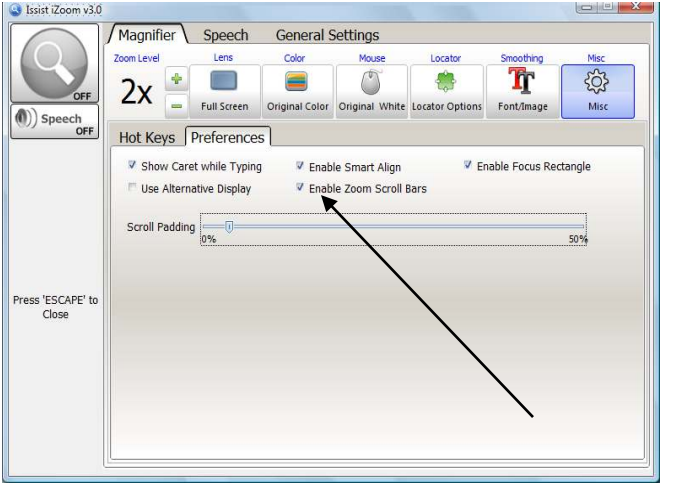


Figure 19

3.13 Focus Highlighting

When using the keyboard for navigation, focus highlighting displays a red rectangle around the selected object, making it easier to find.

To Enable/Disable focus highlighting, click the “Misc” button in the iZoom window. Click the “Preferences” tab. Use the “Enable Focus rectangle” check box to enable/disable focus highlighting. Press the “Misc” button or the Esc key when done.

3.14 Caret Tracking

Caret tracking keeps track of your cursor while typing by showing you a caret on the position of your cursor.

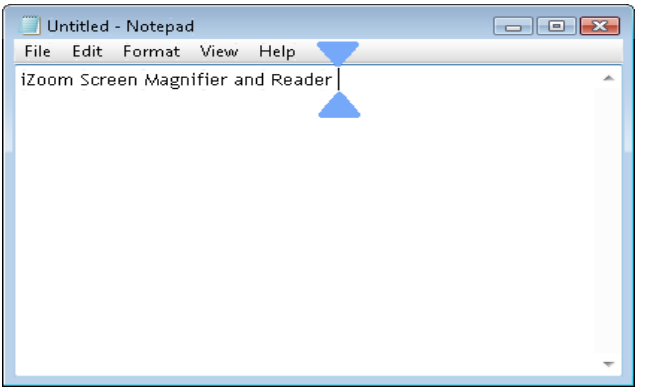


Figure 20

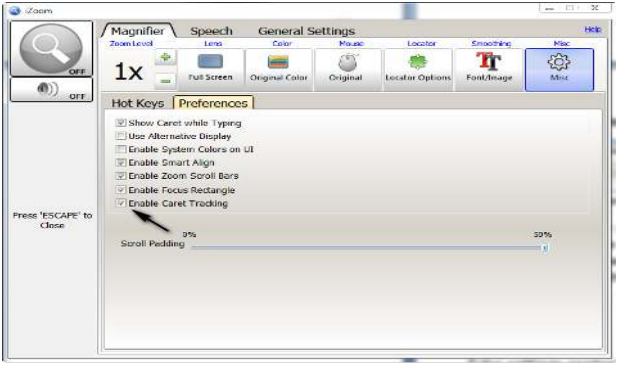

iZoom
Magnifier
Speech
General Settings
Help
Zoom Level
Lens
Color
Mouse
Locator
Smoothing
Misc
1x
Full Screen
Original Color
Original
Locator Options
Font/Image
Misc
OFF
OFF
Hot Keys
Preferences
Show Caret while Typing
Use Alternative Display
Enable System Colors on UI
Enable Smart Align
Enable Zoom Scroll Bars
Enable Focus Rectangle
Enable Caret Tracking
Press 'ESCAPE' to Close
0%
99%
Scroll Padding

Figure 21

3.15 Screen Panning

For quick and easy navigation, use iZoom's screen panning feature. Press Shift + Arrow keys to automatically move the screen from left to right or from top to bottom. Pressing the Shift + arrow keys multiple times will increase the movement speed of your screen while panning. To return to the horizontal starting point of your screen, press the Ctrl key. Alternatively, press and hold Ctrl key while panning to move the screen downwards.

3.16 Dual Monitors



Figure 22

iZoom supports using two monitors for magnification. You can choose amongst the following options:



Figure 23

Single monitor - Magnifies primary monitor and leaves the other at original state



Figure 24

Stretch - Magnifies the content of the primary monitor that is stretched across two screens.



Figure 25

Independent - Magnifies both monitors independently from each other.



Figure 26

Original and Magnified – Leaves primary monitor at original state and displays magnified output of primary monitor on the non-primary monitor

4.0 Speech

Use the Speech button to enable / disable speech.

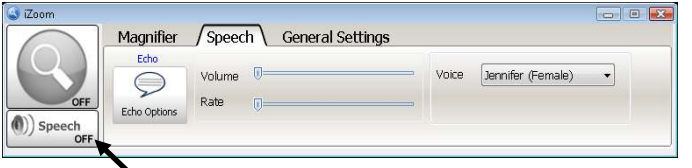


Figure 27

4.1 Voice Properties

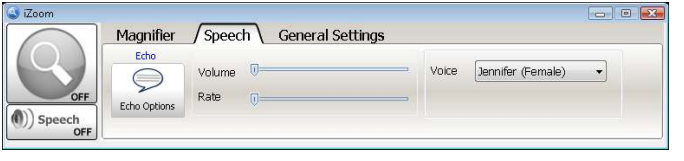


Figure 28

To adjust the voice properties, click the “Speech” tab on the iZoom window. Use the sliders to increase/decrease speech rate/volume. Use the Voice dropdown box to select a different voice (if available).

4.2 Echo Settings

Echo settings control what iZoom speaks when you type and navigate various applications. These settings allow you to control the amount of information spoken

according to your personal needs. To change Echo settings, press the “Echo Options” button in control panel under the speech tab as shown in Figure 29.



Figure 29

Echo Words: Echo Words speaks each word as it’s typed.

Echo Shortcuts: Announces the shortcut key for a menu item, such as "Ctrl + S."

Echo object under Mouse: Mouse echo will read text under the mouse pointer.

Echo Control Name: Announces the name of the active control.

Echo Control State: Announces the state of the active control, such as "checked" and "disabled."

Echo Control Type: Announces the type of the active control, such as "button" or "checkbox."

Echo Caret Line: Speaks the text on the current line when the caret moves to a new line.

Echo MSN SignIn: Speaks the name of the contact who signs into MSN.

Echo Keys: Echo Keys allows you to hear the individual keys that you type.

Echo Tooltips: When a tool tip appears beneath the pointer, it is spoken.

Echo Window Title: The content of a window title is spoken, when a window becomes active.

Echo Control Value: Announces the current value of the active control.

Echo Control Description: Speaks the description of the active control.

Echo Menu Open: When a menu is opened, title of menu is spoken.

Echo Message Box: Announces the content (text) of a message box when activated.

Echo Item Number: Announces the item number in a list of controls followed by the total number of items in the list.

Echo SmartAlign: Speaks the text displayed on the screen when SmartAlign is activated.

4.3 Narration

Narration speaks web pages in Internet Explorer, text documents in Notepad and Microsoft Word documents. To narrate, ensure speech is enabled. Then place the mouse over text to start speaking from and press the narration shortcut key. By default the hotkey is “Ctrl+Shift+Z”. Narration will

begin within a few seconds depending on the length of the document. To stop narration, press the same shortcut key again.

If you wish to work on another document while hearing the text from current document, minimize the current document by using “Windows Key + M”. Open another document, magnify if required and work on it.

5.0 Other Settings

5.1 HotKeys

Hotkeys (also known as shortcut keys) allow controlling iZoom through keyboard shortcuts. iZoom uses the following Hotkeys by default. In order to set custom Hotkeys, click the “Misc” icon on the iZoom Window. A drop down will appear as shown in Figure 30. To change a hotkey, use the textboxes next to the feature and enter the new hotkey. Press “Apply Hotkeys” when done.

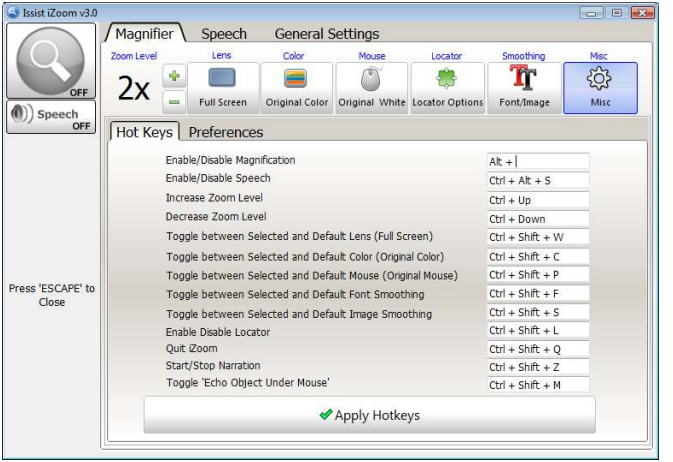


Figure 30

Feature	Hotkey
Enable/Disable Magnification	Alt+Insert
Enable/Disable Speech	Ctrl+Alt+S

Increase Zoom Level	**Ctrl+Up**
Decrease Zoom Level	**Ctrl+Down**
Toggle between selected and default lens	**Ctrl+Shift+W**
Toggle between selected and default color	**Ctrl+Shift+C**
Toggle between selected and default mouse	**Ctrl+Shift+P**
Toggle font smoothing	**Ctrl+Shift+F**

Toggle Image Smoothing	**Ctrl+Shift+S**
Toggle Locator	**Ctrl+Shift+L**
Quit iZoom	**Ctrl+Shift+Q**
Start/Stop Narration	**Ctrl+Shift+Z**
Toggle Echo objects under mouse	**Ctrl+Shift+M**

Default Hotkeys

5.2 Start iZoom on Startup



Figure 31

Select the “General Settings” tab and check “Run iZoom on Startup” as shown in Figure 31 to start iZoom when Windows starts.

5.3 Transferring License

iZoom Standard requires a license to function. If you wish to move your license of iZoom to another

machine, you must transfer your license before registering iZoom on another machine. To transfer your license, click the “General Settings” tab on the iZoom Window. Click “About iZoom”. If iZoom Standard is registered on your machine, a button saying “Remove Registration from this Computer” will be visible. Click the button. You may now register iZoom Standard on another machine.

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