

ReadDesk

User Manual

The latest version of this manual is available
online at www.issist.com

The logo for Issist, featuring the word "issist" in a lowercase, sans-serif font. The letters "i", "s", "s", and "t" are black, while the letters "i" and "s" are blue.

Issist Assistive Technologies Inc.
www.issist.com

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INTRODUCTION

OVERVIEW

ReadDesk is a new affordable, easy-to-use portable camera that can be connected to your laptop or desktop.

ReadDesk has many special features:

- **Portability:** Weighs only 1.5 lbs.
- **Minimal assembly:** Install the software; Connect camera to the computer using the USB 2.0 cable and its ready to use.
- **Customization:** The Color, Speech, Views and many other settings can be customized to fit your personal needs.
- **Compatibility:** Compatible with Windows XP and above operating systems.
- **OCR capabilities:** Can read books, newspapers, prescription labels, bills, invoices, and many other types of documents.

- **Easy-to-use:** Has an attractive and user friendly interface which is easy to use.
- **Natural sounding voice:** Reads in a high quality, natural sounding voice that is customizable through the menu.

ReadDesk Preview:



Figure 1

ACCESSORIES

ReadDesk comes with the following Accessories:

Item	Description
Alignment Bar	Used to align document.
USB 2.0 Cable	Used to connect Camera to Laptop or Desktop.
Software DVD	Used to install ReadDesk software and drivers.

SETUP INSTRUCTIONS

- 1) Insert the **SOFTWARE DVD** into your computer and install ReadDesk software.

See below for detailed installation instructions regarding your particular operating system:

Windows Vista/7/8

1) Pop-up **“Choose what to do with this disk”**



Choose **“Install or Run program from your media”**



Click **“Run ReadDeskSetup.exe”**.

2) Pop-up **“Do you want to allow this program to make changes on your computer?”**



Click **“Yes”**.

3) Read **License Agreement**



Click **“Accept”**.

Windows XP

1) Run “**ReadDeskSetup.exe**”.



2) Read **License Agreement**



Click “**Accept**”.

3) Ensure “**Install ReadDesk**” is checked



Click “**Next**”.

2) Connect one end of the **USB 2.0 CABLE** to the **CAMERA** USB port shown in **Figure 2**.

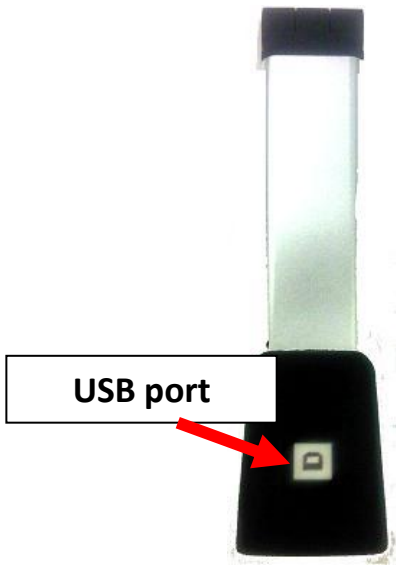


Figure 2

- 4) Connect the other end of the **USB 2.0 CABLE** to your **LAPTOP** or **COMPUTER**.
- 5) ReadDesk should **AUTOSTART** once the camera has been detected.

For **MANUAL START**, double click **READDESK ICON**  on your desktop or

use the keyboard by pressing “**Ctrl + Shift + R**” to start ReadDesk.

- 6) Ensure computer has an “**Active Internet Connection**”



Pop-up “**Product Registration**”



Enter your **11-digit serial number**
(located on your ReadDesk DVD) in
textbox



Click “**Ok**”.

FEATURES

ALIGNMENT

1. Start by placing the ReadDesk camera in the “**Alignment Bar**” as shown in **Figure 3**.

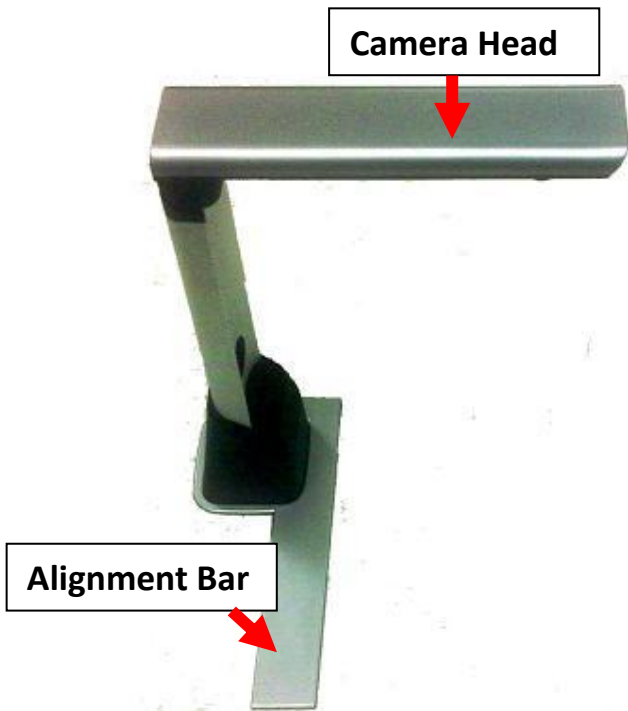


Figure 3

2. Align the page using the “Alignment Bar” as shown in **Figure 4**.



Figure 4

3. Pages can be oriented **Right-Side Up** or **Upside-Down** which is useful for reading textbooks without manually moving the camera as shown in **Figure 5**.

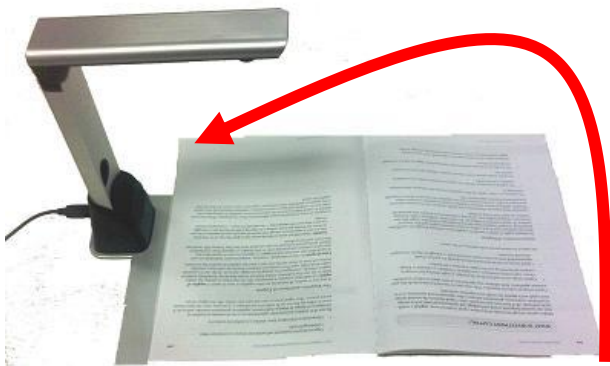


Figure 5

4. Once the page has been correctly aligned, continue onto the “Reading” section.

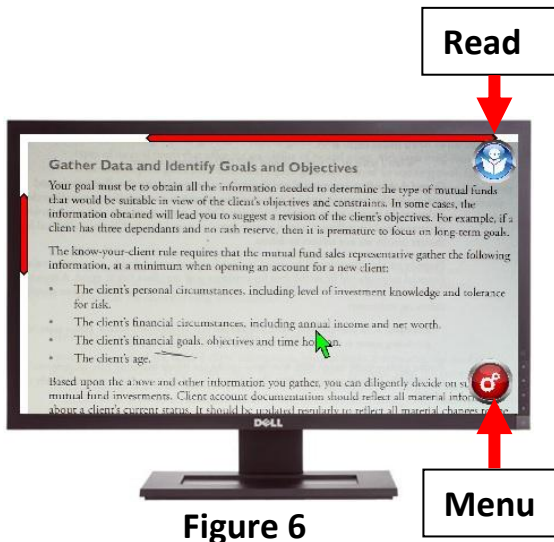
[WARNING:] Improper placement of the alignment bar or incorrectly aligned page can negatively affect OCR results.

READING

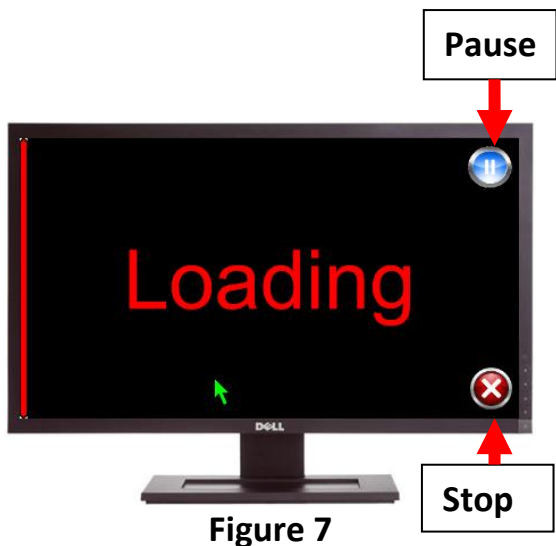
5. Start reader by pressing **Spacebar** or Clicking on the Blue “**Read**” icon in the top right corner as shown in **Figure 6**.

Alternatively, you can use **Delayed Read** to read a page. To do a delayed read, hold **Spacebar for 3 seconds**. This will delay the image capture for **15 seconds** before it reads.

Delayed Read provides the user enough time to properly align, position, or switch out the page before the shot is taken.



6. Automatically brings up the **Loading Screen** as shown in **Figure 7**.








7. After image is finished loading, reader will start automatically reading text aloud while highlighting text as shown in **Figure 8**.



Figure 8

Here are the **READING SHORTCUTS** for both the **KEYBOARD** and **MOUSE**

	KEYBOARD	MOUSE
Read	Spacebar	Click 
Delayed Read (15 seconds)	Hold Spacebar for 3 seconds	-
Menu	“Esc” Key	Click 

Pause	Spacebar	Click 
Play	Spacebar	Click 
Stop	“Esc” Key	Click 
Previous Word	Left Arrow Key	Click Last Word
Next Word	Right Arrow Key	Click Next Word
Previous Sentence	Up Arrow Key	Mouse Wheel Up
Next Sentence	Down Arrow Key	Mouse Wheel Down
Next Paragraph	Page Down Key	-
Previous Paragraph	Page Up Key	-
Go to Beginning	Home Key	-

Go to End	End Key	-
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VIEWS

View feature allows you to toggle through 3 different views while reading:

ORIGINAL VIEW

Original view retains the **ORIGINAL IMAGE** (See **Figure 9**).

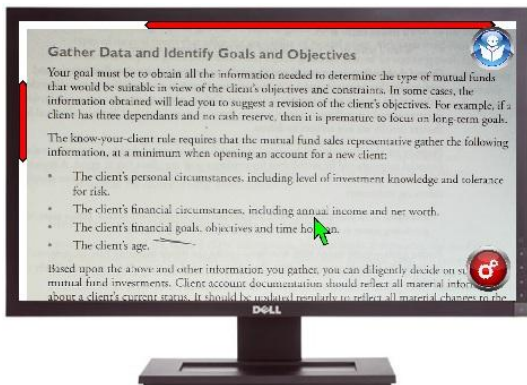


Figure 9

REDRAWN VIEW

Redrawn view replaces the Original Text with **DIGITAL TEXT** on the **ORIGINAL IMAGE** (See **Figure 10**).



Figure 10

WRAPPED VIEW

Wrapped view displays **DIGITAL TEXT** onto a **DIGITAL BACKGROUND** and reformats the

text so it fits within the width of the screen
(See **Figure 11**).

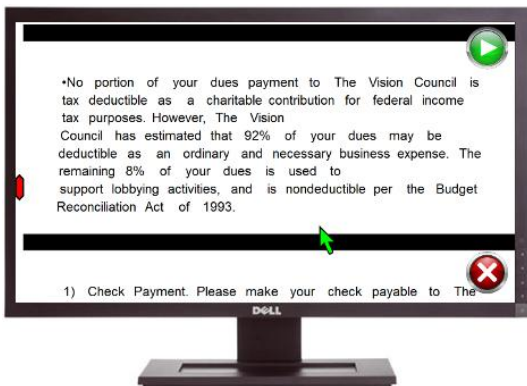


Figure 11

Views can be controlled by either using the **KEYBOARD** or **MOUSE**. Here is the **VIEW SHORTCUT** for both the **KEYBOARD** and **MOUSE**:

	KEYBOARD	MOUSE
Change View	"V" Key	Click " Menu " ↓ Click " Reading " ↓ Click " View "

ROTATE IMAGE

Rotate image allows the user to flip the image displayed.

Here is the **ROTATE IMAGE SHORTCUT** for the **KEYBOARD**:

	KEYBOARD
Rotate Image	"R" Key

TOGGLE COLOR

Toggle color allows the user to toggle through the preset color schemes in the menu.

Here is the **TOGGLE COLOR SHORTCUT** for the **KEYBOARD** and **MOUSE**:

	KEYBOARD	MOUSE
Toggle Color	"C" Key	Click "Menu" ↓ Click "Color" ↓ Select new Color Scheme

SAVE IMAGE

Save image allows you to save image to “...My Pictures\Read Desk”.

Save image can be controlled by using the **KEYBOARD**. Here is the **SAVE IMAGE SHORTCUT** for the **KEYBOARD**:

	KEYBOARD
Save	“S” Key

LOAD IMAGE MODE

Load image mode allows you to:

- **Load Image** – Load previously saved images saved in “...My Pictures\Read Desk”.
- **Delete Image** – Delete currently displayed image from “...My Pictures\Read Desk”.
- **Next Image/Previous Image** – Loads the next/previous saved image.

Here are the **LOAD IMAGE MODE SHORTCUTS** for the **KEYBOARD**:

	KEYBOARD
Load Image	“L” Key
Delete Image	“Delete” Key
Next Image	“→” Key
Previous Image	“←” Key

AUTO SAVE IMAGES

Auto save images allow the user to automatically save images in 15 second intervals. To start auto saving images:

Enter “**Live Image Mode**”



Hold “**S**” Key for 3 seconds to “**Start Auto Save**”



Press “**Esc**” Key to “**Stop Auto Save**” and return to “**Live Image Mode**”

Here is the **AUTO SAVE IMAGES SHORTCUT** for the **KEYBOARD**:

	KEYBOARD
Start Auto Save	“S” Key for 3 seconds
Stop Auto Save	“Esc” Key

AUTO READ IMAGES

Auto read images allow the user to automatically read previously saved images in ascending order by date from the current image.

To start auto reading images:

Press “L” Key to enter “**Load Image Mode**”



Use the “←” or “→” Keys to select the
“**Start Image**”



Hold **“Spacebar”** Key for 3 seconds to **“Start Auto Read”**



Press **“Esc”** Key to **“Stop Auto Read”** and return to **“Load Image Mode”**

Here is the **AUTO READ IMAGES SHORTCUT** for the **KEYBOARD**:

	KEYBOARD
Start Auto Read	“Spacebar” Key for 3 seconds
Stop Auto Read	“Esc” Key

SAVE TEXT

ReadDesk automatically saves text when a page is read. The text is automatically saved as a text file in “...My Documents\Read Desk”.

ZOOM IN/OUT

Zoom in/out allows the user to zoom in or out of an image in any view.

Here are the **ZOOM IN/OUT SHORTCUTS** for both the **KEYBOARD** and **MOUSE**:

	KEYBOARD	MOUSE
Zoom In/Out	“+”/”-“ key	Right Click + Mouse Wheel Up / Down

If you have **2 Additional Mouse Buttons** you can use the following controls to **Zoom In/Out** (See **Figure 12**).



	MOUSE
Zoom In	Side Mouse Button 1
Zoom Out	Side Mouse Button 2

MOVEMENT CONTROLS

Movement controls allow the user to move to different areas of the image.

Here are the **MOVEMENT SHORTCUTS** for both the **KEYBOARD** and **MOUSE**:

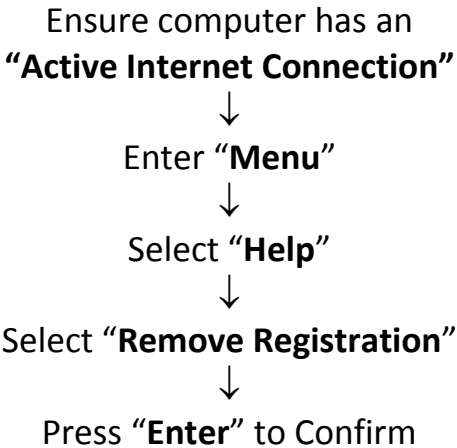
	KEYBOARD	MOUSE
Up	8 (Num key)	Move mouse to Top.
Down	2 (Num key)	Move mouse to Bottom.
Left	4 (Num key)	Move mouse to Left.
Right	6 (Num key)	Move mouse to Right.

TRANSFER LICENSE

To **transfer a license** to another computer, the registration must be removed from the original computer before the serial number can be used again.

Once registration has been removed, ReadDesk will return to “Trial Mode” and the license can now be moved to a new computer.

Here are the steps to remove registration:



MENU OPTIONS

Menu options allow the user to customize and change settings as shown in **Figure 13**.



Figure 13

Here are the **MENU OPTIONS** for both the **KEYBOARD** and **MOUSE**:

	KEYBOARD	MOUSE
Enter Menu	"Esc" Key	Click "Menu" icon
Exit Menu	"Esc" Key	Click "Back" button
Up/Down	"Up"/"Down" Arrow Keys	Move mouse to Top/Bottom
Select	"Enter" Key	Click on Option

Option		
Enter Submenu	“Enter” Key	Click on Submenu
Previous Menu	“Backspace” Key	Click on “Back” button

COLOR

Color changes the color of the **TEXT** and **BACKGROUND**.


ORIGINAL	Original colors with normal contrast (Default).
GRAY SCALE	Gray and white colors.
BLACK ON WHITE	Black text with white background.
WHITE ON BLACK	White text with black background.
BLACK ON YELLOW	Black text with yellow background.

YELLOW ON BLACK	Yellow text with black background.
BLACK ON GREEN	Black text with green background.
GREEN ON BLACK	Green text with black background.
BLUE ON YELLOW	Blue text with yellow background.
YELLOW ON BLUE	Yellow text with blue background.
HIGH CONTRAST	Original colors with high contrast.

READING

HIGHLIGHT

Highlight changes the **HIGHLIGHTING METHOD** used when reading.

BOX	Highlight text with a colored box (Default).	
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UNDERLINE	Highlight text with underline.	<u>TEXT</u>
BACKGROUND	Highlight text with background color.	TEXT

VIEW

View changes the way **TEXT IS DISPLAYED**.

WRAPPED	Digital text displayed by paragraph.
ORIGINAL	Display original text and image (Default).
REDRAWN	Digital text is redrawn onto "Original" image.

SPEECH

Speech has 3 submenus: **RATE**, **VOLUME**, and **VOICE**.

RATE

Rate changes the **READING SPEED** of the reader.

LEVEL 1	Slowest reading speed.
LEVEL 2	Slow reading speed.
LEVEL 3	Normal reading speed.
LEVEL 4	Faster reading speed.
LEVEL 5	Fastest reading speed.

VOLUME

Volume changes the **VOLUME LEVEL** of the reading voice.

20%	Twenty percent volume.
40%	Forty percent volume.
60%	Sixty percent volume.

80%

Eighty percent volume.

100%

One hundred volume.

VOICE

Voice changes the **VOICE USED** when reading.

KENDRA

Reading voice “Kendra”
(Default).

LANGUAGES

Languages allow users to see and select one of the supported languages. Additional language support will be added in future updates.

ENGLISH

English language.

HELP

Help has 3 Help submenus: **TUTORIAL**, **SUPPORT**, and **ABOUT**.

TUTORIAL	Run ReadDesk Tutorial.
SUPPORT	Displays 9-digit support ID.
ABOUT	Company information.
HARDWARE ID	Displays hardware ID for the PC.
REMOVE REGISTRATION	Remove registration from computer.

QUIT

Exit ReadDesk and go to Windows Desktop.

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