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User Manuals Simplified.

Rehan electronics Acuity Speech Desktop Video Magnifier User Manual

Contents

Rehan-logo

Rehan electronics Acuity Speech Desktop Video Magnifier

Foreword

This user manual is intended for end users as support for the use, installation and maintenance of this device. Read this manual carefully before use and observe all safety instructions to prevent damage to your health, the device or the environment.

The Acuity Speech has been developed to support reading problems due to, for example, low vision or dyslexia. The device is intended for reading documents up to A4 or letter format. These documents can also be read aloud.

The device is very easy to use, but it is not recommended that children under the age
of 6 or people with intellectual disabilities use it, unless they are supervised by a person designated for their safety. If you have any questions after reading this manual, please contact your supplier. You will find this information at the end of this user manual.

Important instructions and warnings are placed in black-outlined areas such as this one.

Introduction

The Acuity Speech is a desktop video magnifier of high quality that is user friendly with its touch sensitive input method. It is designed as a desktop appliance that can be used in a home or in an office setting.

The Acuity Speech is used to read documents up to A4 or letter format. The appearance of these documents can be altered to accommodate to the user's needs. These documents can also be read aloud, where the interpreted language, voice, speed, tone and volume can be adjusted.

You will find a comprehensive overview of options and technical specifications in Chapter 18 Technical specifications. Changes to the device may only be made by the manufacturer or a technician approved by the manufacturer. Unauthorized repairs or modifications may result in injury and will void all warranties.

Package contents

Contents of the box:

- Acuity Speech
- Power adaptor
- User manual
- Headphones
- Acuity training Doming label
- HDMI Cable (Acuity Speech with Switch screen function only)
- Remote Control and Remote Control Receiver (optional accessory)

Safety

Tips for usage

- Avoid direct sunlight on the screen and tableau.

- Be careful when handling the moving parts of the reading table.
- The Acuity requires little or no maintenance. If you want to clean the exterior of the device, only use a dry cloth. The use of aggressive cleaning products like alcohol, acetone or other chemical substances is prohibited.
- Do not use the Acuity as a support for walking, sitting down or getting up.
- Switch off the device if you do not intend to use it.
- Ensure that the Acuity is placed in a well ventilated room.
- Place the Acuity on a stable and horizontal surface to prevent it from falling.
- Ensure that the Acuity is placed at least 10 cm / 4 inches from the edge of the table.
- Only use your Acuity indoors. Do not expose the device to extreme temperature fluctuations or humidity. Do not place your Acuity next to a heat source.
- Only use the supplied cables and connect the adaptor to a wall socket outlet.
- Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation.
- Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity and result in improper operation.
- Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the Acuity, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.
- Use precautions for implanted devices, like a pacemaker. Maintain at least 15cm/6 Inches between the speaker or headphone and the implanted device. The device also contains magnets in the upper corners of the display and in the remote-holder of the tableau. See magnetic strength details in the technical information. If in doubt, contact your specialist.
- Be aware that listening to a high sound level could result in hearing damage.

Transporting the Acuity

If the device needs to be transported it is advised to transport it in its original packaging in order to avoid any potential injury or damage to the device. Keep the transport and storage temperature conditions in mind.

Installation
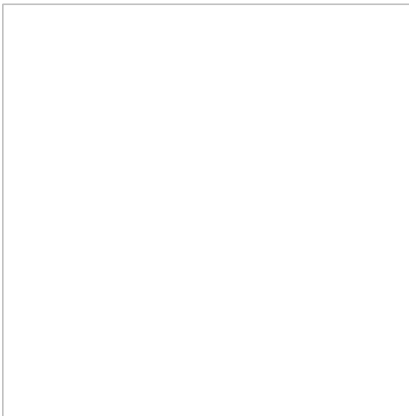
The Acuity will be delivered to you in a pre-assembled state. All you have to do is position the screen in your preferred orientation, connect the adapter and switch on the device.

Adjust the tilt of the screen
The screen can be tilted by firmly holding the screen on the left and right side, and tilting the screen in your preferred position 1 .

Adjust the height of the screen
The height of the screen can be adjusted by firmly holding the screen on the left and right side, and pulling the screen up or down to your preferred position 2 .

Connecting the cables
The only cable required to be connected is the power cable. Insert the power cable into the back of the device 3 and then into a wall socket.

Starting the device

Turning the device on or off

The on/off switch of the Acuity Speech is located at the lower right hand side on the back of the monitor. To start up or shutdown the device, hold it for 2 seconds until you hear the start up or shutdown tone. The Acuity Speech always starts up in Acuity Basic mode – Live view.
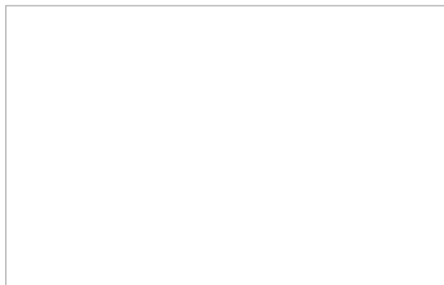
Switch function
Press the On/Off button once while the device is on to toggle between the multiple modes of the Acuity Speech: Acuity Basic mode, Acuity Speech mode and external input.
The external input is only available when an HDMI cable is connected to one of the HDMI ports at the back of the Acuity Speech and to an external device.
Tableau
The Acuity Speech contains a tableau on which you can place your reading material. The tableau can move from left to right and from front to back.
Brake handle
In front of the tableau of the Acuity Speech you will find a single brake handle with which you can control the movement of the tableau. The handle has 4 positions:

- Left = The tableau can be moved freely.
- Middle-left = Free movement from left to right.
- Front to back movement can be adjusted by 5 millimeter increments.
- Middle-right = Free movement from left to right, front to back movement is blocked.
- Right = Tableau position is locked.

Acuity Basic mode – Live view

When you turn on the device it will start in Acuity Basic mode – Live view. In the Live view you will see the tableau or the documents on it.
Controls
The controls can be found below the screen and consist of touch sensitive pads:
Rehan-electronics-Acuity-Speech-Desktop-Video-Magnifier-03

For improved feel of the position of these touch sensitive pads, the Acuity Training Doming Label can be pasted over these touch sensitive pads.
Acuity Speech
The functions of these touch sensitive pads are as follows:
Display modes
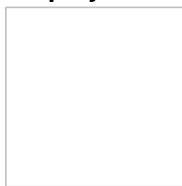
Tap this icon to go to the next available display mode.
Press and hold this icon to quickly switch between your last used high contrast mode and photo mode. Swipe over this icon from left to right or right to left to go to the next or previous available display mode.
Zoom

Tap or press and hold the minus or plus icon to zoom out or in. The magnification

level will be shown on screen.

Block auto focus

Tap the magnifier icon to refocus on the reading material and block the auto focus on that level. Tap a zoom button to unblock the auto focus.

Brightness

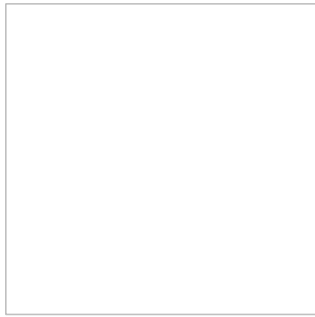By tapping this icon you can cycle through 5 brightness levels. Brightness can't be adjusted when reading aids are in use.

Contrast

In contrast mode, swipe over this icon from left to right (and hold your fi nger on the right side of the rounded rectangle) or right to left (and hold your fi nger on the left side of the rounded rectangle) to gradually increase or decrease the contrast.

Contrast can't be adjusted when reading aids are in use and can only be adjusted in high contrast modes, not in photo modes.

White balance

In photo mode, swipe over this icon from left to right (and hold your fi nger on the right side of the rounded rectangle) or right to left (and hold your fi nger on the left side of the rounded rectangle) to gradually change the white balance to the colder, more blue side or change the white balance to the warmer, more orange side.

White balance can't be adjusted when reading aids are in use and can only be adjusted in photo modes, not in high contrast modes.

White balance adjustment is turned off by default. To turn it on read Chapter 7 Acuity Basic mode – Advanced menu.

Advanced reading aids

Press and hold the brightness icon to enter the Advanced reading aids menu.
The following reading aids are available:

- horizontal blanking
- vertical blanking
- horizontal line
- vertical line

Swipe up or down over this icon to select the desired reading aid required. Each reading aid has 5 settings that are indicated by a number shown in the icon. Once the desired reading aid is selected, tap this icon to set the desired setting of the reading aid.

To change the setting value you can tap this icon to go to the next level or you can swipe from left to right.

To change to a different reading aid then swipe up or down over this icon and then tap to set the desired level of the reading aid selected.

To exit from the advanced reading aids menu press and hold this icon for 2 seconds. The reading aid will now disappear from the screen.

Brightness, contrast and white balance can't be adjusted when reading aids are in use.

External input

press the on/off switch once to toggle between the available inputs until the image of the external input is displayed on the screen of the Acuity.

Adjust display modes, brightness, contrast, white balance and advanced reading aides as described above.

Tap or press and hold the minus or plus icon to zoom out or in. When zoomed in, it is possible to pan through the image by press and holding on the magnifier icon and sliding your finger in the direction you want to pan the image. Always start from the magnifier icon to start panning.

Acuity Basic mode – Advanced menu

The Acuity Speech contains an advanced menu with which you can (de)activate certain functions of the Acuity Basic mode. You can access the advanced menu by ensuring the device is switched off, then turning on the device using the on/off button and holding it pressed until you hear a beep after the start up tone.
By tapping the brightness icon you can cycle through multiple screens of selectable options. Tap the plus icon of the zoom button to highlight which mode you wish to change. You can recognize the highlighted function by the white rounded rectangle around it. Tap the magnifier icon to activate/deactivate your selection.
To save any changes, or to exit without making changes power off the device and power it on again.
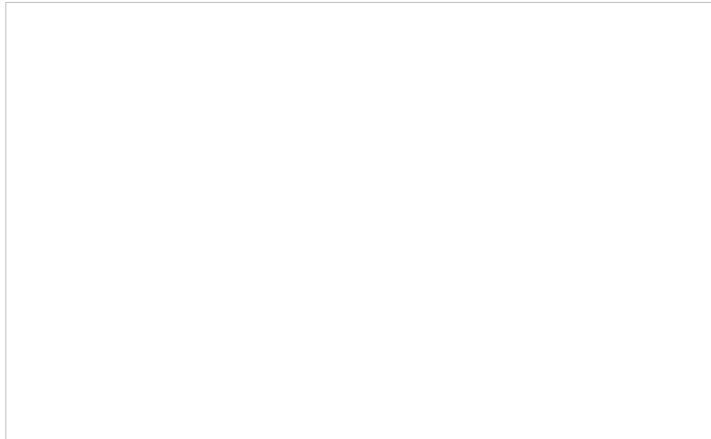
Display modes
On the first screen you can select whether you want the photo mode to have realistic or high saturation colors by activating the photo mode (A) and select which high contrast mode you want available in your Acuity Basic mode by activating the high contrast mode you want activated/deactivated.
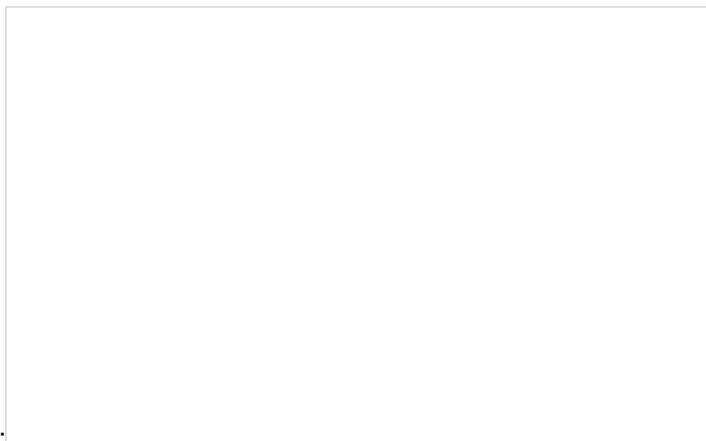
The second screen shows advanced functions:

Crop zoom
The crop zoom function crops the image on screen to 50% so that a zoom level of 1x can be achieved. This function is turned off by default.

Sound feedback
When this function is on you hear a beep when you change a function. The function is turned on by default.

Magnification indicator
When you zoom in or out a magnification indicator shows up in the top left corner that shows what the magnification factor is. This function is turned on by default.

Zoom preset
When this function is on the device will go to the last used magnification in high contrast modes and photo mode when you switch to these functions. This function is turned on by default.

Advanced reading aids
This will let you turn reading aids on or off individually. This function is turned on by default.

Refresh rate / frequency
Depending on your location the mains power frequency will be 50 or 60 Hertz. By selecting the right setting you will suppress flickering caused by surrounding light. This function is set to 50Hz default.

Contrast
With this function you can turn the manual contrast adjustment on or off. This function is turned on by default.

White balance

Select whether you want the ability to manually set the white balance in the photo modes. This function is turned off by default.
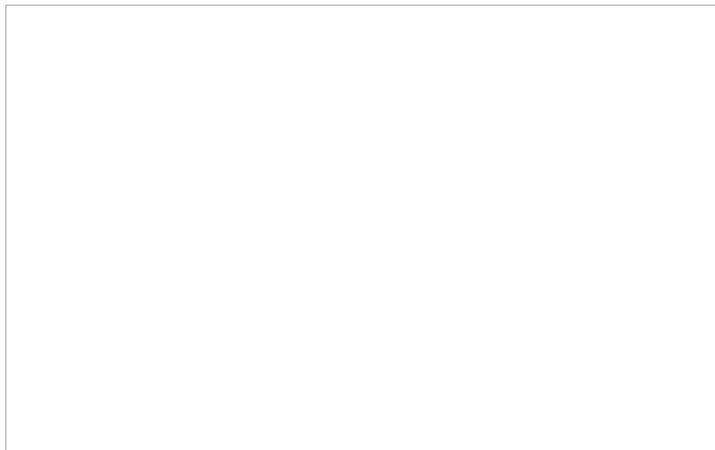
On the third and last page of the advanced settings you will fi nd the factory reset and the installed software version.

Factory reset
Activating this function and turning the device off and on again will reset all advanced functions and last used magnifications to their default setting. The factory reset function is a permanent action and can not be undone.

Acuity Speech mode – Start screen

When the Acuity Speech is starting up it shows an hourglass on screen. This means the device is starting up its text recognition capabilities. When this is finished the hourglass disappears and you can switch to Acuity Speech mode by tapping the on/off button or flipping over the remote.
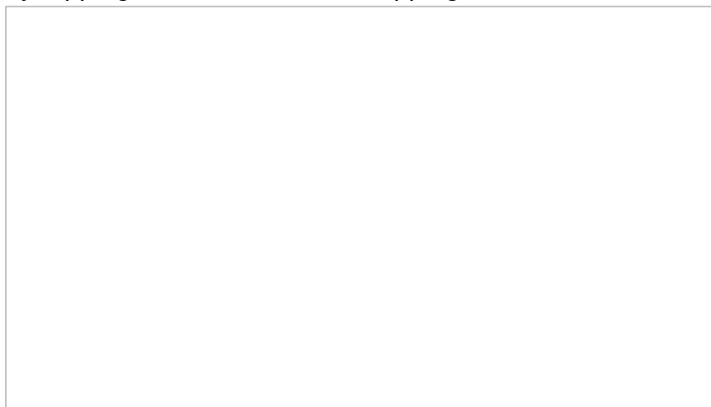
When the device is switched to Acuity Speech mode it shows the Start screen. In this screen there's a full page live view of the tableau. The yellow marker indicates the scan area. The device scans documents up to A4 or US letter size. When the document is placed at a slight angle or if the text is 90° rotated, the software will correct this. OCR quality might vary due to ambient light, paper and print quality. Don't fully rely on processed text alone. Check critical documents (i.e. doctor prescriptions) in Original view or Acuity Basic mode.

- **Controls Scan area**
  The yellow marker indicates the scan area. Tap this area to go to Original view. See Chapter 10 Original view for more information. Tap and hold to go to Digital view. See Chapter 11 Digital view for more information.
- **Play button**
  Tap this button to go to Original view. See Chapter 10 Original view for more information. Tap and hold to go to Digital view. See Chapter 11 Digital view for
  more information.
- **Menu**
  Tap this button to open the menu. The menu allows you to set functionality as user preferences, read aloud preferences, system settings and allows the user to save and load documents. See Chapter 12 Menu for more information.
- **Reading order**
  When a page is captured the system processes the page and defines the text and image zones. Text zones are by default scanned from upper left top corner to lower left corner and back to top etc. This depends on the white space, colors, text sizes and images. The processing also auto-detects tables and read rows from left to right.
- **Capturing document**

When the device is capturing a document you will see an hourglass in the top right and you will hear a ticking sound. When the device is done, you will enter Original view or Digital view. When audio feedback is off you will hear no ticking.

Acuity Speech mode – Interface preset

When you capture a page on the Start screen you will be taken to Original view or Digital view, depending on the device settings and action. In these views the device has a button bar interface on the bottom of the screen which allows you to have additional control over the functions of the device. This interface has 3 presets which will be explained in this chapter. The interface presets can be set in the menu. For more information See Chapter 12 – Acuity Speech mode – Menu.
Presets
Preset 1: Default interface
Preset 1 is the default preset for the interface of the button bar and has the following functions:

1. Menu: tap this button to open or close the menu.
2. Reading speed: tap the left side to decrease the reading speed or the right side to increase the speed.
3. Volume: tap the left side to decrease the volume or the right side to increase the volume.
4. Read/pause: tap this button to start or pause reading. Depending on the mode this could mean the device progressing through the text while reading aloud or silent.
5. Previous/next word: tap the left side to go to the previous word or the right side to go to the next word. After tapping this button the reading pauses.
6. Previous/next sentence: tap the left side to go to the previous sentence or the right side to go to the next sentence. After tapping this button the reading pauses.
7. Stop: Tap this button to go back to the Start screen.

Preset 2: Auto-hide interface
For advanced users who want a maximum viewing area of the captured page it is possible to have the default interface hide automatically by selecting preset 2: Auto-hide interface. This can also help if the emitted light of the button bar poses issues for the user.
When the button bar is hidden you have the following controls:

- tap the lower right corner as a hidden read/pause button.
- tap the menu button location in the lower left corner of the screen to show the button bar. The button bar automatically hides after 5 seconds.

Preset 3: simplified interface
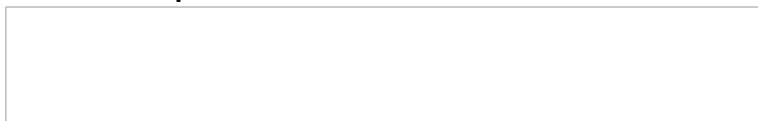
Preset 3 is a simplified interface for users that can't or don't want to use all functions of the device.

1. Volume: tap the left side to decrease the volume or the right side to increase the volume.
2. Read/pause: tap this button to start or pause reading. Depending on the mode this could mean the device progressing through the text while reading aloud or silent.
3. Stop: Tap this button to go back to the Start screen.

The device doesn't show the menu button like it does in interface preset 1 and 2. To enter the menu go to the Start screen and tap and hold the location of the menu button for 8 seconds. A confirmation dialog will pop up where you have to tap the checkmark icon to open the menu.
If Interface preset 3 is set, Original view is not available. The device will always go to Digital view after capturing a document.

Acuity Speech mode – Original view

This sections describes the Original view features. The Original view will show a capture of the document with

processed text boxes and images. All the text zones on the pages will have a rectangular zone marker.
Text zones and pictures can be selected. The button bar at the bottom of the screen depends on the chosen
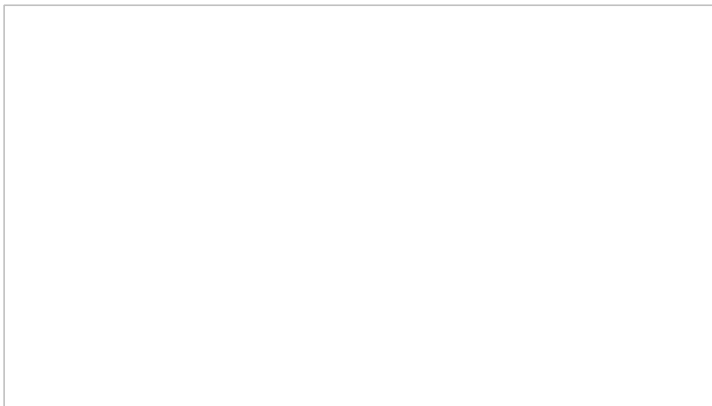
Interface preset.

- **Controls Display mode**
  In Original view the display mode of text boxes can be shown as captured (original view) or can be displayed in high contrast text (original view digital text).
  Tap this icon to go to the next available display mode. Swipe over this icon from left to right or right to left to go to the next or previous available display mode. Press and hold this icon to switch to Digital view, a high contrast view of just the text. For more information about Digital view, see Chapter 11 Acuity Speech mode – Digital view.
- **Zoom**
  Tap the minus or plus icon to zoom out or in on the current reading location. The magnification limit ensures you will always see the full width of the current text zone. Tap the magnifier icon to fully zoom out to see the full page. A higher magnification is available in Digital view.
- **Word marker**
  The word marker indicates the current word when you are reading. Press and hold this button to turn the word marker on or off. Word marker is on by default. See Chapter 12 Acuity Speech mode – Menu for more information. Acuity Speech
- **Image viewer**
  To view images full screen tap the image on the screen to open the image viewer. The Acuity Speech will determine the optimum magnification from the resolution of the image. Tapping the screen will close the picture viewer.
- **Zone selection**
  The Acuity Speech automatically detects headings, paragraphs/columns and images in captured documents. You can tap zones to select or deselect text zones to determine what parts to read and in what order. The zone marker of selected text zones changes color and a will be numbered to show the reading order. When no zones are selected and read aloud is started the device will read all zones in the default reading order. The selection of text zones can be used to read an article in the right order when there are multiple articles on a newspaper or magazine page or to read rows of a bank statement or receipt in the right order.
  Zone selection functionality is on by default. This function can be turned off in the menu. See chapter 12 Acuity Speech mode – Menu for more information.
  When zone selection is turned off the text boxes won't show zone markers. Start read aloud by tapping on the word from where you want start and the device will read until the end of the document.

Acuity Speech mode – Digital view

Digital view only shows digitized text without the captured images. It can be more comfortable when reading books, magazines or letters.
The text is displayed on the screen with user defined magnification and high contrast mode for the best reading

experience possible.
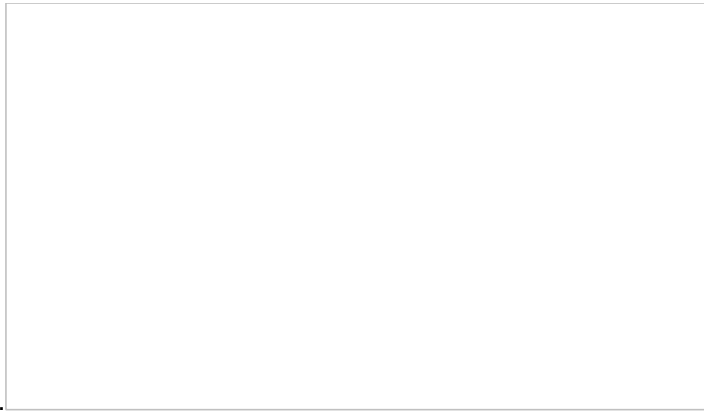
Text flow
Digital view has 3 text flow methods:

1. Full screen: the captured image is displayed on the entire screen. Scroll through the text by swiping up or down on the display. Text zones are separated by a blank line.
2. Line: the captured text is displayed in a single line. Scroll through the text by swiping left or right on the display.
3. Word: the captured text is displayed word by word in the middle of the screen. The location of the word can be changed by swiping up or down on the display.

Controls
Tap on a word while the device is paused to start reading read aloud from that point.
Tap anywhere on the screen while the device is reading to pause.

Display mode
In Digital view the text in the text boxes is always displayed in high contrast display mode.
Tap this icon to go to the next available display mode.

Zoom
Tap the minus or plus icon to increase or decrease text size.
Tap the magnifier icon to fully zoom out go back to the default reading size.
Default reading size can be set in the menu. See Chapter 12 – Menu for more information.

Autocue
The Autocue function slowly scrolls the captured text up on the screen so you can read off the screen without the need of pushing any button. There is no word marker and no reading voice. The text will be displayed on the middle half of the screen or on a single line (depending on the Digital view setting).
Autocue can be started by double tapping the touchscreen.
The speed can be modified by the speed icon on the button bar.
Autocue is not available when the device is set to Interface preset 3.

Acuity Speech mode – Menu

The menu is opened and closed by pressing the menu button in the lower left corner of the screen. The menu shows multiple icons for specific tabs on the left side. A menu tab icon turns amber to indicate it's the selected tab. A selected option gets an amber outline. The menu always opens on the first tab: user preferences.
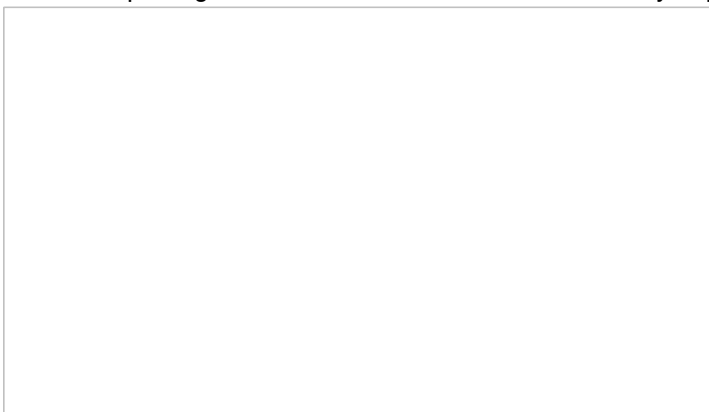
User preferences
The user preferences page has the options for preferred view settings, zone functions and word marker functions.

View
The top options are for the Original view and Digital view settings.

Original view mode

The left options are for the way you prefer that the Original view renders the text when you capture a page on the Start screen:

- Original view (Default option).
- Original view digital text.

Digital view mode

The right options are for your preferred way of how the text flows in Digital view:

- Full screen (default option). Shows the captured text on the entire screen.
- Line. Shows the captured text on a single line.
- Word. Shows only the current word on screen.

Zone

When a document is viewed in Original view it will automatically split up the headings and paragraphs of text in zones. The following options allow the user to customize the zones.

Zones

With the left zone option you can turn zones on or off. When zones are turned off, the following zone color options will be disabled (zones are on by default).

Zone color

The color of the zone markers can be adjusted by pressing this button. Available colors: yellow, blue, green, red, grey and white (yellow by default).

Zone selection color

The color of zones can change when selected. The color of the selected zone markers can be adjusted by pressing this button. Available colors: red, grey, white, yellow, blue and green (red by default).

Word marker

The current word is marked by a marker. The following options allow the user to customize the word maker.

Word marker type

There are 3 different markers which are all available in Original view and Digital view:

1. Frame: a colored box outline will appear around the current word.
2. Line: a colored line will underline the current word.
3. Inverted: In Digital view and Original view, a box will appear around the current word. The background color and text color inside the box will be inverted from the selected display mode on the rest of the screen.
   In Original view the inverted word marker will always have a black background with white, processed text.

Word marker color

The color of the marker can be chosen. Available colors: yellow, blue, green, red, grey and white (yellow by default). Word marker color is not available when Word marker type Inverted is selected.
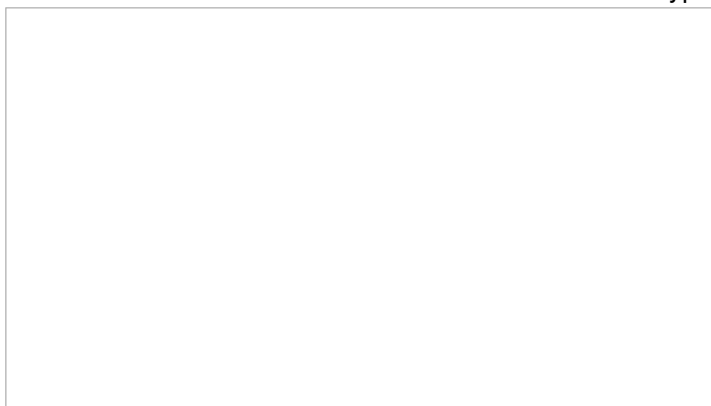
Read aloud preferences

The read aloud preferences show the languages the Acuity Speech is able to detect when capturing documents and which voice is selected for those languages.
The device will decide the document language upon capture and read the document in that language with the selected voice.

Language

On the left side there are 5 rows for languages. The Acuity speech is able to detect many languages and can recognize up to 5 languages when scanning a document. The user can select up to 5 preferred languages.

Voice
Each language has a selection of voices. The languages have male and/or female voice(s) with different accents, for instance the English language can have voices with an American English tone or British English tone. These country specific tones are also visible by looking at the flag symbol next to the selected voice. Listen to a voice by tapping the play symbol on the right of every row.

Selected languages/voices
A checkmark in front of the languages turns the recognition of a language and voice on or off. You can have up to 5 rows active, or deactive some. This can be used if a document has multiple languages and you want to force the device to use a specific one or select a language multiple times and have different voices. It is impossible to deselect all rows, at least one row will stay enabled.

Speed and volume
These buttons change the reading speed and reading volume. This is the same function as the reading speed and reading volume on the buttonbar.

System settings – page 1 The third menu tab shows the system settings. This menu consists of two pages.
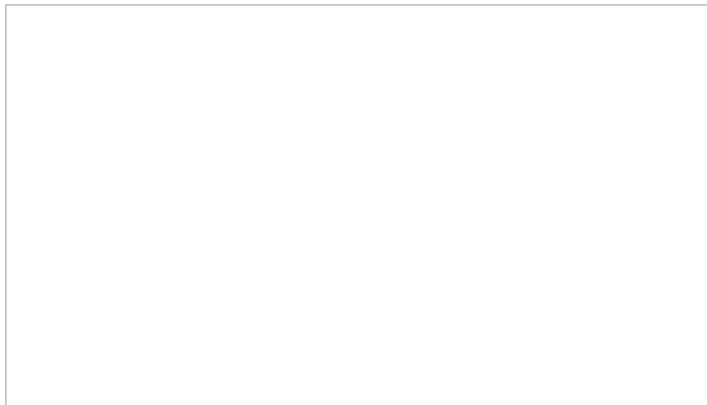
Page switching
This menu consists of two pages which can be switched by pressing the icon on the lower right side of the screen.

System language
The top left option changes the system language. The system language defines the text language of the menu. This setting does not override the read aloud preferences.

System voice
The top left option changes the system voice. The system voice is the voice your hear in the system audio feedback. This setting does not override the read aloud preferences.

System volume
The system volume can be set separately from the read aloud volume for when you want the system feedback to be a different volume than the actual read aloud voice.

Equalizer
The equalizer setting can be set to change the tone of the device to have either more bass, the left option, or more treble, the option on the right (the equalizer is set to mid, the middle option, by default).

Reading size
In Digital view font size has a default value which can be set by pressing the magnifier icon while in Digital view. (Reading size is set to 5 by default)

Audio feedback
The audio feedback has 3 options:

- Voice feedback: the device reads the function of pressed buttons aloud.
- Tone feedback: when you tap or press and hold a button you will hear a single beep.
- No feedback: you will hear no sound from the device except for the read aloud voice.
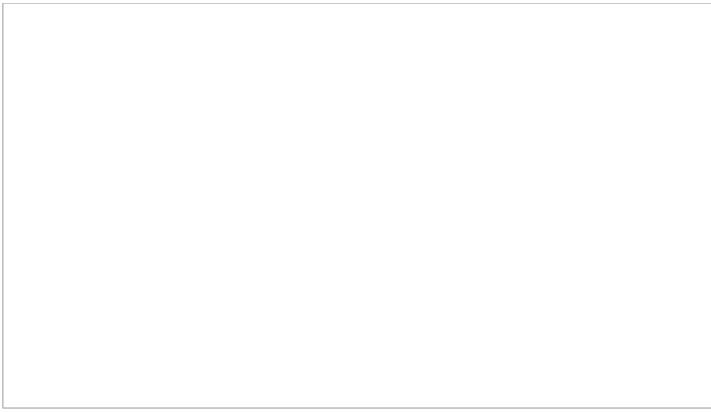
System settings – page 2
Tap the Page switching button to go to the System settings – page 2.
User Preset
The first option changes the user interface preset. Because this is such a big change to the overall use of the device see chapter 9 Acuity Speech mode – Interface preset for more information.
Color scenes
This option lets the user enable or disable color scenes. Enabled color scenes are available in Original view digital text and Digital view and can be selected with the display mode button underneath the display.
Version
To the right of the Interface preset the application version is visible.
Reset
Press and hold the Reset button for 5 seconds to open a dialog. This dialog has up to 3 options:

- Factory reset: Reset the device to factory settings. See below for a complete list of the settings that will be reset.
- User preset: Save all settings of the Acuity Speech mode – Menu as your personal settings. See below for information on how to reset the device to these settings.
- Backup to USB stick: make a backup of the system settings and documents on the USB stick (only available when a compatible USB stick is present).

Select the preferred option and tap the checkmark button to accept or the stop button to cancel.
User preset
If settings are changed you can easily reset the device to your previously set User preset. Tap the Reset button to open a dialog to set all the Acuity Speech Mode menu settings to your user preset settings. Tap the checkmark button to accept or the stop button to cancel.
Factory reset
When the device is reset to factory settings the following settings will be set:

User preferences

Original view	Full color
Digital view	Fullscreen
Zone	On
Zone color	Yellow
Zone selection color	Red
Word marker	Frame
Word marker color	Yellow

Read aloud preferences

Language 1 on	English	Voice	Serena
Language 2 on	Dutch	Voice	Claire
Language 3 on	German	Voice	Anna
Language 4 on	French	Voice	Audrey
Language 5 on	Spanish	Voice	Marisol
Speed			Normal
Volume			50%

System settings (page 1)

System language	English	Voice	Serena
System volume			50%
Equalizer			Mid
Reading size			25
Audio feedback			Voice feedback

System settings (page 2)

Preset	1
Colour scenes active	C, D

The factory reset function resets all functions of the Acuity Speech mode – Menu. This is a permanent action and can

not be undone.

Documents
The fourth tab of the menu is the Documents tab. Here you can find all the saved documents and images saved on the device or a compatible USB stick.
If a compatible USB stick is present a USB button will show up in the bottom center of the screen.
Controls
If there are more files than fit on a single page, you can scroll with the up and down arrow in the bottom right of the screen.
To read a document or open an image full screen, tap the file name and tap the play button in lower right of the screen. For documents, tap to read the document in Original view or press and hold to open the document in Digital view.
It's possible to filter documents, images or both by selecting the filter buttons in the bottom left of the screen.
File menu
Press and hold on a file name to open the file menu. The file menu has the following options:

- Delete: delete the selected file. This is a permanent option and can not be undone.

- Rename: A virtual keyboard will appear to change the name of the document.
- Export: If a USB stick is connected and this option is selected a dialog will open to let the user choose to export the document as an Acuity document (complete with layout, processed text and images) or just the text (TXT). If there is no compatible USB stick available, this option will be greyed out and not functional.
- Import: Import the selected file from the USB stick to the internal storage. Only available when a file on a USB stick is selected.
- Exit: Close the File menu and and return to the Documents tab.

File viewer

The Acuity Speech has a built-in file viewer. Depending on the file type the controls change. For a complete list of supported file types see Chapter 18 Technical specifications.

Document formats

Document formats like VDF (Acuity's internal document format) and PDF files are recognized as documents that can be read and read aloud in Original view or Digital view.

Picture formats

Picture formats like JPG, PNG, GIF, BMP and TIFF can be selected and viewed in a picture viewer. with the following controls:

Navigate between multiple picture files on the device or in the same folder on the USB stick with the navigation buttons on the bottom right of the screen. Tap the rotation button on the bottom center of the screen to rotate the opened picture in 90 degrees clockwise. Tap the stop button to close the picture and go back to the Documents tab.

Saving documents

When you have scanned a document, open the menu and tap the fifth icon on the left side of the screen to save the document to the internal memory. A dialog will open with the following option:

- Tap the document name to rename the file. A virtual keyboard will appear to change the name of the document.
- Tap the middle button to add pages to the document file. A screen with capture area will open. Tap the button in the lower right of the screen to add that page to the file. Do this as many times as needed. Tap the checkmark button in the bottom left of the screen to go back to document saving dialog.
- Tap the checkmark button to save the document.
- Tap the stop button to cancel saving the document.

Remote control

The Acuity can be used with a Bluetooth connected wireless remote control. This remote control is sold separately. An overview of the available Remote Control and its functions can be found on page 94 of this user manual. Contact

Rehan-electronics-Acuity-Speech-Desktop-Video-Magnifier-25

your supplier for more information.

Troubleshooting

The Acuity Speech does not require a high level of maintenance during its expected lifetime. Use the device always within the operating conditions as specified in the technical information. The Acuity Speech is an advanced device and can detect different kinds of issues. Issues or error messages will be spoken by the system voice in most cases. In some cases the device will restart automatically.

If the Acuity Speech doesn't respond to any user control, try to turn the device off and on again. If that doesn't work, press and hold the on/off button until the device powers off and turn it back on again.

The Acuity Speech has an integrated computer with the speech-to-text and text recognition software application. It is possible that troubleshooting does not help, in some cases your dealer or the manufacturer can perform a software update to solve the issue.

Please contact your dealer if problems persist and inform your dealer about the error message.

Cleaning

For safety reasons, always disconnect the AC power adapter from the mains supply before cleaning the Acuity. Follow the instructions below to help prevent the product exterior from deteriorating or coloration:

- Wipe with a soft, dry cloth.
- Do not use solvents or other chemicals. Do not wipe with a chemically-treated cleaning cloth.
- Use a soft dry cloth to clean all other accessories.

Recycling

The Acuity Speech contains electrical and electronic equipment (WEEE) and should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product to designated collection points where it will usually be accepted free of charge. Alternatively, in some countries, you may be able to return your products to your local retailer upon purchase of an equivalent new product. Disposing of this product and the packaging correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. If you are unsure, contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation. Be aware of internal stored data/documents on the Acuity Speech. Please delete these to protect your privacy.

Warranty

This product is covered by the warranty provisions of your supplier. For more information about these provisions, contact your supplier.
Never hesitate to contact your supplier or the manufacturer to report unexpected operation of incidents. Please note the serial number of the device when contacting the manufacturer.

Rehan-electronics-Acuity-Speech-Desktop-Video-Magnifier-26

Technical specifications

Resolution		1920 × 1080	
Video refresh rate		50 Hz or 60 Hz	
Display size		54.6 cm 22 inch	
Display modes	Photograph	Full colour (or high saturation) Greyscale	
These display modes can be turned off in the Acuity live mode advanced menu	High contrast	Black – white	Black – yellow
		White – black	Yellow – blue
		Green – black	Blue – yellow
		Black – green	Red – black
		Yellow – black	Black – red
Magnification (With a 22" screen)	Minimum	≈ 2.3× (when in crop mode ≈1×)	
	Maximum	≈ 65×	
Reading Aid	Horizontal Reading Line	Available in all models	
	Vertical Reading Line	Available in all models	
	Horizontal Block Blank	Available in all models	
	Vertical Block Blank	Available in all models	
Audio performance		Mono 61mm speaker, 4W Magnetic field: <0.5mT at 10cm distance	
		Stereo on-ear headphone 32ohm, 3.5mm Jack *Magnetic field: <0.5mT at 3cm distance*	
Preferred external HDMI input setting		1920×1080	
Sound controls		Adjustable audio volume and reading speed	
Supported languages	Belgian Dutch	Chilean Spanish	Czech
	Belgian French	Argentinian Spanish	Polish
	Danish	Colombian Spanish	Russian
	Dutch	Mexican Spanish	Hungarian
	US English	French	Brazil. Portuguese
	British English	Canadian French	Greek
	Irish English	Italian	Catalan
	Scottish English	Turkish	Bulgarian
	Indian English	Norwegian	Croatian
	South African English	Swedish	Romanian
	German	Finnish	Slovak
	Spanish	Portuguese	
Supported document file types		VDF *(Acuity document format)*, PDF	
Supported picture file types		JPG, PNG, GIF, BMP, TIFF	
Internal storage		1GB or 999 documents	

If you have any questions after reading this manual, please contact your supplier.

Power Supply	Model:	CGSW65-120-5000II
	Input:	100-240VAC, 50/60Hz, 1.5A max.
	Output:	12VDC, 5000mA max.

Power rating	Standby: 0.2W Maximum: 60W	

Dimensions	22" (screen in highest position)	48 × 48 × 65 cm
		18.9 × 18.9 × 25.6 inch

Weight	17 kg

Magnets	Speaker at the back of display: *<0.5mT at 10cm distance* Upper corners of display: *<0.5mT at 7cm distance* Remote control holder at tableau: *<0.5mT at 4cm distance*

IP rating	IP20; *solid foreign objects >= 12.5mm Not protected against ingress of water*

Preferred switch screen settings	1920 × 1080

Conditions of use	Temperature	5 to 40 ˚C 41 to 104 ˚F
	Humidity	0 to 75%, no condensation

Conditions of storage and transport	Temperature	-25 to 70 ˚C -13 to 158 ˚F
	Humidity	0 to 90%, no condensation

FCC NOTICE (Class B)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation. Federal Communications Commission Statement.

EMI:
The Acuity Speech complies to harmonized standards according to medical devices and with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Documents / Resources

Rehan electronics Acuity Speech Desktop Video Magnifier [pdf] User Manual
Acuity Speech, Desktop Video Magnifier, Acuity Speech Desktop Video Magnifier

Manuals+,