

ACUITY BASIC



USER MANUAL

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1 Introduction

Congratulations with your Acuity Basic; a desktop video magnifier of high quality that is especially user friendly with its touch sensitive input method.

Read this manual thoroughly before you start to use your Acuity Basic. Information in this manual refers to both the Acuity Basic and Acuity Basic with Switch Screen models. This manual contains instructions on how the device needs to be installed, and describes all of the functions of the Acuity Basic.

2 Installation, safety and maintenance

Package contents

The package of the Acuity Basic contains the following:

- Acuity Basic or Acuity Basic with Switch Screen
- Power adaptor
- Manual
- Remote Control and Remote Control Receiver (optional accessory)
- HDMI Cable (for Acuity Basic with Switch screen function only)

Installation



Never open up the device yourself; **this will void your warranty**. If you suspect the device is in need of service or repairs, please contact your supplier.

The Acuity Basic will be delivered to you in a pre-assembled state. All you have to do is slide the screen up to your preferred height and connect the adaptor into a wall socket outlet 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.



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.



Transporting the Acuity

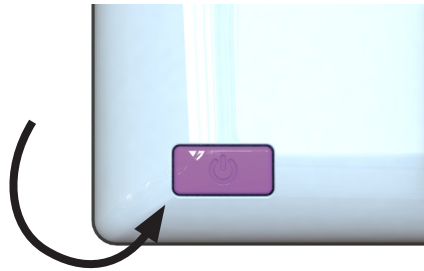
If the device needs to be transported it is advised to transport it in its original packaging in order to avoid any potential damage to the device.

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 surface to prevent it from falling.
- 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.
- Ensure that the Acuity is placed at a minimal distance of 10 cm / 4 inches from the edge of the table.

3 Controls - Screen

The on/off switch of the Acuity 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 controls of the Acuity can be found below the screen and consist of touch sensitive pads:



3.1 Display Modes

Tap

Tap this icon to cycle through all available display modes.



Press-and-hold

Press and hold the Display Mode icon to quickly switch between your last used high contrast mode and the full colour mode.

Swipe

Swipe from left to right to go to the next display mode in the cycle.

Swipe from right to left to go to the previous display mode in the cycle.

3.2 Zoom

Tap or press and hold the minus icon allows you to zoom out.

Tap or press and hold the plus icon allows you to zoom in.

The magnification level will be shown on screen.



3.3 Block auto focus

By tapping the magnifier icon the device will refocus on your reading material and block the auto focus on that level.

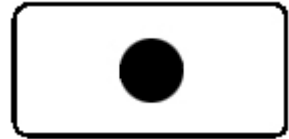
Tap a zoom button to unblock the auto focus.



3.4 Brightness

Tap

By tapping this icon you can cycle through 5 brightness levels.



3.5 Contrast

Swipe and hold

Swipe this icon from left to right and hold your finger on the right side of the rounded rectangle to gradually increase the contrast.

Swipe this icon from right to left and hold your finger on the left side of the rounded rectangle to gradually decrease the contrast.

Contrast can only be adjusted in high contrast modes, not in photo modes.

3.6 White Balance

Swipe and hold

Swipe this icon from left to right and hold your finger on the right side of the rounded rectangle to gradually change the white balance to the colder, bluer side.

Swipe this icon from right to left and hold your finger on the left side of the rounded rectangle to gradually change the white balance to the warmer, oranger side.

White balance can only be adjusted in photo modes, not in high contrast modes.

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

3.7 Advanced Reading Aids

Press-and-hold

Press and hold this icon to enter the Advanced Reading Aids menu.

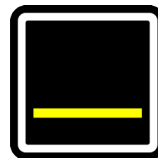
The following reading aids are available:



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 right to left.

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.

3.8 Tableau

The Acuity contains a tableau on which you can place your reading material. The tableau can move from left to right and from front to back.

3.9 Brake Handle

In front of the tableau of the Acuity 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 by moving the tableau.
- Middle-right = Free movement from left to right, front to back movement is blocked.
- Right = All movement of the tableau is blocked.

4 Controls - Remote Control

The Acuity can be used with a Bluetooth connected wireless remote control. This remote control is sold separately. Contact your supplier for more information.

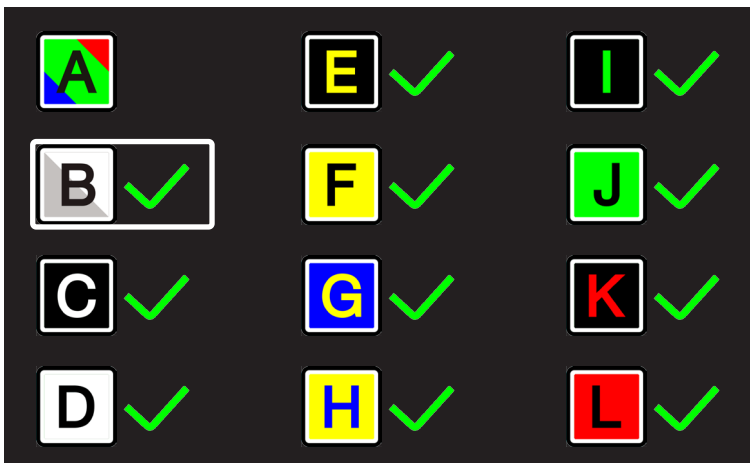


5 Advanced menu

The Acuity Speech contains an advanced menu with which you can (de)activate certain functions of the Acuity live mode. You can access the advanced menu by ensuring the device is switched off, then holding the on/off button approx. 10 seconds until you hear a beep after the start up tone.

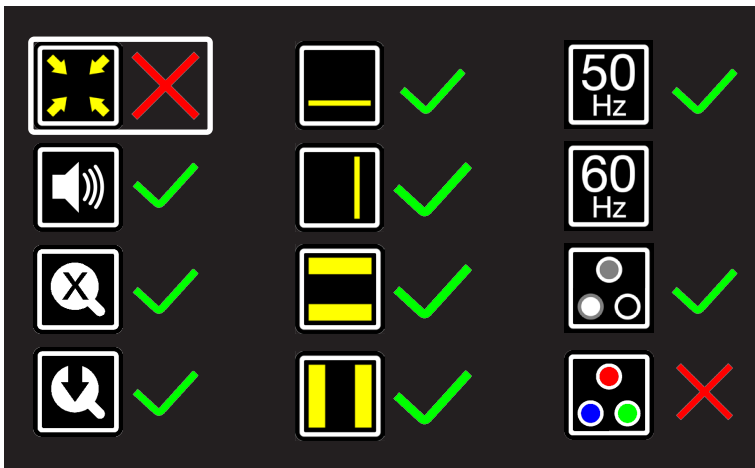
By tapping the brightness icon you can cycle through multiple screens of selectable options. Tap the plus icon of the zoom button to highlight which mode you wish to change. You can recognize the highlighted function by the white rounded rectangle around it. Tap the magnifier icon to activate/deactivate your selection.

To save any changes, or to exit without making changes power off the device and power it on again.



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 live 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 originally off.



Sound feedback

Audible feedback when you change a setting. This function is originally on.



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 originally on.



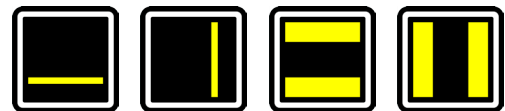
Zoom presets

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 originally on.



Reading aids

This will let you turn on reading aids on or off individually. These functions are originally on.



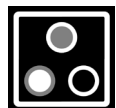
Refresh rate / frequency

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 sources. This function is originally set to 50Hz.



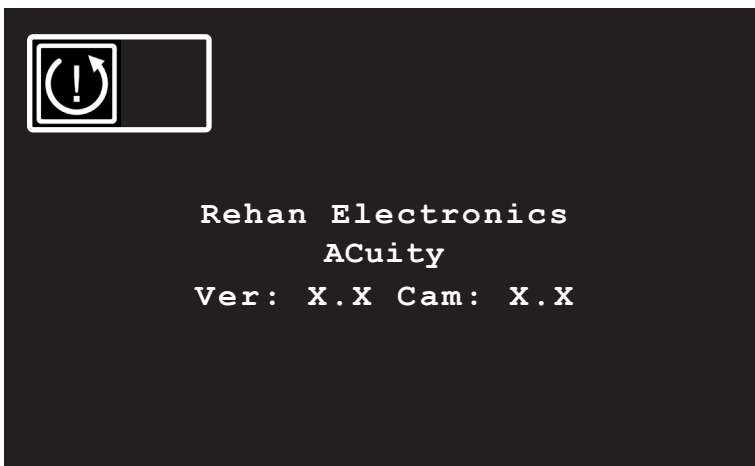
Contrast

With this function you can turn the manual contrast adjustment on or off. This function is originally on.



White balance

Select whether you want the ability to manually set the white balance in the photo modes. This function is originally off.



Factory Reset

The factory reset function resets all advanced settings.



Software version

On the third and last page of the advanced settings you will find the installed software version.

6 Switch Screen (only for Acuity Basic with Switch Screen)

Connect the HDMI cable from one of the HDMI ports at the back of the Acuity to your computer. Press the On/Off button once to toggle between the Acuity and your computer.

7 Regulations

Products with CE marking comply with EMC Directive 2014/30/EC and the Low Voltage Directive 2014/35/EU issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following standards:

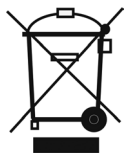
Safety: EN62368-1

EMC: EN55022; EN55024

The device also complies to FCC part 15 Class B

8 WEEE & RoHS Directives

WEEE Notice



The WEEE logo (shown left) on the product or its literature indicates that the product must not be disposed of or dumped with your household waste. For more information about electronic and electrical waste equipment disposal, recovery and collection points, please check your local regulations.

RoHS Compliance

The Acuity Basic is in compliance with the Restrictions of the use of certain Hazardous Substances (RoHS) Directive.

9 Warranty Information

For all queries regarding warranty of your device, please contact your supplier for further information.

Use of the device other than described in this manual will exclude it from warranty conditions.

10 Technical specifications

Resolution		1920 x 1080	
Video refresh rate		50 Hz or 60 Hz	
Display size		22 inch (54.6 cm)	
Display modes <i>These display modes can be turned off in the Acuity live mode advanced menu</i>	Photograph	Full colour (or high saturation)	
		Greyscale	
	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	≈ 2.3x (when in crop mode ≈1x)	
	Maximum	≈ 65x	
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	
Dimensions	22"	48 x 48 x 65 cm (screen in highest position)	
Preferred switch screen settings		1920 x 1080	
Weight		16 kg	
Power supply		12 VDC / 4A	
Conditions of use		Temperature +5 °C til + 50 °C	
		Humidity <70%, no condensation	
Conditions of storage and transport		Temperature +0 °C til + 50 °C	
		Humidity <90%, no condensation	

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



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