

Eye-D v2

Hand-held Video Magnifier

User Manual (English Version) - Revision B

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Index

1. Introduction.....	3
2. Safety and Care.....	4
3. What is in the box?.....	6
4. Getting to know the Eye-D v2.....	7
5. Getting Started	7
Charging your Eye-D v2.....	8
Battery Indicator LED	8
Powering On / Off.....	9
6. Using your Eye-D v2.....	10
Magnification Adjustment.....	10
Enhanced Colour Modes.....	11
Freeze Frame.....	13
Reading Lines	13
Settings Menu	14
Auto Power Off.....	16
Low Battery	17
Writing Stand.....	17
TV-Out Function.....	18
Cleaning your Eye-D v2	19
Resetting your Eye-D v2	19
6. Compliances.....	19
7. Specifications	20
8. Warranty	21
9. Additional solutions.....	22
10. Local Distributor:.....	24

1. Introduction

Congratulations on choosing the Eye-D v2, a hand-held Video Magnifier system from Aumed. You can use the Eye-D v2 for reading, writing, viewing maps, menus etc.

If you have any questions or suggestions concerning the use of this product, please contact your local distributor. Contact details can be found on the last page of this manual. Any feedback on the product is greatly appreciated.

We hope you enjoy using your Eye-D v2 portable video magnifier!

About this manual

This user manual provides a comprehensive guide to the features and operation of the Eye-D v2 portable video magnifier. Pictures in this user manual may differ slightly from your unit. Aumed reserves all the rights for the interpretation of all contents in this user manual. Please read this user manual carefully before using the Eye-D v2 and keep the user manual in a safe place for future reference.

2. Safety and Care

1. Before using, please check if the Eye-D v2 is damaged, if so, please contact your company it was purchased from immediately. Do not try to repair it yourself.
2. The batteries used in the Eye-D v2 are specialist sealed Li-ion cells. **Standard AA batteries (normal or rechargeable) cannot be used.** The batteries are not user replaceable. Please contact your local distributor if the batteries need replacing.
3. Please fully charge the batteries before turning on for the first time of use.
4. Do not expose the Eye-D v2 to extreme or rapid changes in temperature or humidity.
5. Do not use in direct sunlight.
6. Do not place the Eye-D v2 near a radiator or heater, or where it can be exposed to direct sunlight. These conditions may damage the unit.
7. Handle the Eye-D v2 with care. Rough handling may damage the internal components.
8. Do not remove any parts of the Eye-D v2 or open the unit as this will void the warranty. The unit should only be serviced by an Aumed repair specialist. Contact your local distributor if service is necessary.
9. Do not use cleaning agents or abrasive materials as they will damage your unit.

- 10.** Avoid touching the lens of the camera.
- 11.** Use only the power adapter provided.
- 12.** Do not hit, vibrate, squeeze or drop the unit.
- 13.** If being used by children, please follow guidance from a guardian to avoid accidents.

Use of the Eye-D v2 other than that described in this user manual will exclude it from warranty conditions.

3. What is in the box?

The Eye-D v2 package contains the following:

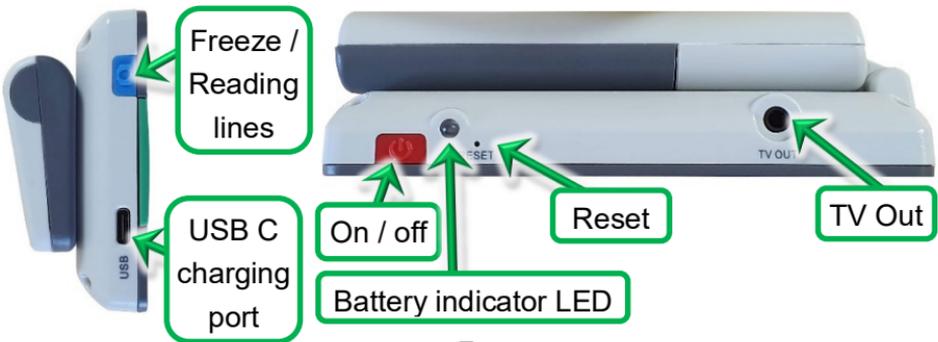
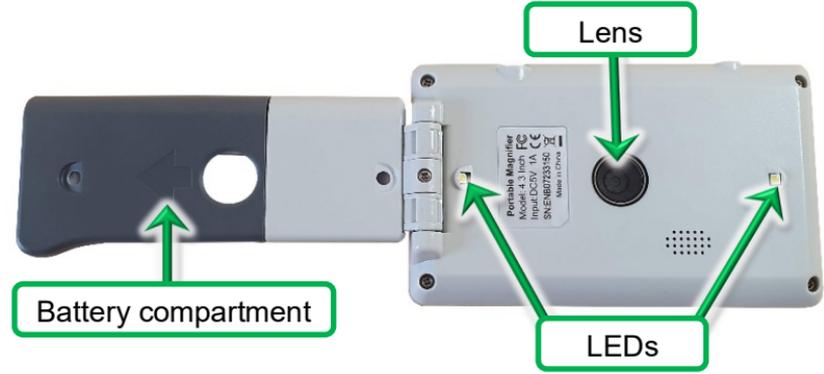
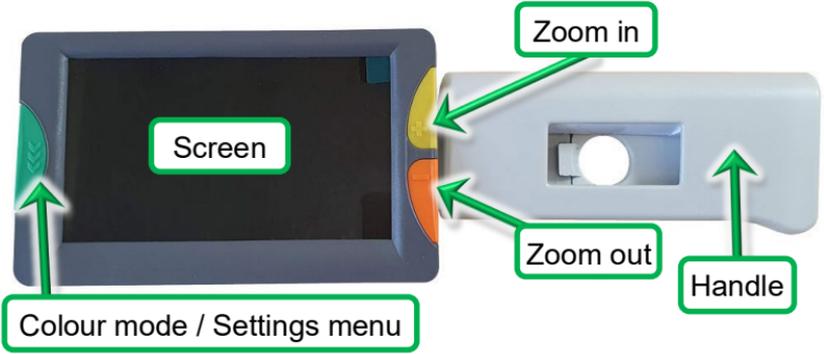
- ① The Eye-D v2 portable video magnifier
- ② Pre-installed lithium ion battery (not to be changed by user)
- ③ Power supply adaptor
- ④ Power cable (USB A to USB C cable)
- ⑤ TV-out cable
- ⑥ A lens / screen cleaning cloth
- ⑦ Protective pouch
- ⑧ Quick reference guide
- ⑨ This user manual

If any items are missing from your package, please contact the company that the unit was purchased from.

Note: All photographs / diagrams in this manual are for reference only.

4. Getting to know the Eye-D v2

The images below show the layout and buttons of the Eye-D v2:



5. Getting Started

Charging your Eye-D v2

To charge the Eye-D v2, insert the USB C end of the power supply cable into the USB C charging port (labelled USB). This is the small, rounded rectangular shaped slot on the left edge of the unit (when the handle is unfolded an on the right). It's located 1 inch in from the left edge.

Insert the other end (standard USB A connector) into the USB port of the mains charger. Then plug the mains charger into a mains socket and turn it on.

Charging the Eye-D v2's Li-ion batteries from empty takes approximately 3 hours.

Please note, it is not recommended to use the unit while it is charging. If the unit is powered on while charging, the battery level in the Settings Menu will show as 100% no matter what the level of charge.

Battery Indicator LED

The battery indicator LED is on the top edge, on the left-hand side, next to the red on / off button. It illuminates as follows:

When in use:

Green: Unit is on and battery is not low

Flashing: Battery low – please recharge

When the Eye-D v2 is plugged in to the mains:

Red: Batteries are being charged

Off: Batteries fully charged

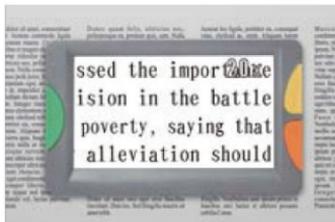
The Eye-D v2 should last between 2.5 and 4 hours on a single charge based on the screen brightness and colour mode used.

Powering On / Off

To power on or off the device, press the red on / off button located on the left edge of the unit, for 1 second.

6. Using your Eye-D v2

The Eye-D v2 can be used with its handle folded in (when you're reading a document at a table or desk) or with the handle unfolded (if you're out and about or looking at an object or something on a shelf or in a cupboard for example).



Magnification Adjustment

Press the yellow Zoom in button, located on the right edge of the screen, one inch from the top, to increase the magnification.

Press the orange Zoom out button, located on the right edge of the screen below the zoom in button, one inch from the bottom, to decrease the magnification.

- The magnification is fully adjustable from 2X to 32X
- Magnification can also be adjusted slightly by changing the distance between the camera lens and target objects. Moving the Eye-D v2 too far away will cause the image to go out of focus though.

Enhanced Colour Modes

To make reading text easier, the Eye-D v2 features a total of 26 different viewing modes.

Quick press the green Colour mode button (on the left edge of the screen, in the middle) to cycle through the enabled colour combinations.

There are 5 colour modes enabled by default. To enable or disable particular colour modes, please see “Enabled Colour Modes (contrast icon)” on page 16.

The complete list of available colour modes is shown below:

- 1) Full colour mode (**Enabled – cannot be disabled**)
- 2) Enhanced colour mode
- 3) Inverted colour mode
- 4) Greyscale mode
- 5) Black text on white background (**Enabled**)
- 6) White text on black background (**Enabled**)
- 7) Blue text on white background
- 8) White text on blue background
- 9) Yellow text on black background (**Enabled**)

- 10)** Black text on yellow background (**Enabled**)
- 11)** Yellow text on blue background
- 12)** Blue text on yellow background
- 13)** Green text on white background
- 14)** White text on green background
- 15)** Orange text on white background
- 16)** White text on orange background
- 17)** Red text on black background
- 18)** Black text on red background
- 19)** Orange text on black background
- 20)** Black text on orange background
- 21)** Yellow text on green background
- 22)** Green text on yellow background
- 23)** Red text on white background
- 24)** White text on red background
- 25)** Yellow text on white background
- 26)** White text on yellow background

Freeze Frame

Freezing an image can be useful if something you want to look at is either up high or down low (e.g. items in a cupboard or on a shelf). Hold the Eye-D v2 up to the piece of information you want to view on the object, then freeze the image before bringing the Eye-D v2 closer to your eyes to view it.

To freeze and unfreeze the image, quick press the blue Freeze button, located on the left edge, at the top.

- When the image is frozen, the LED lights will be turned off automatically to save power.
- While viewing a frozen image, the magnification and colour modes can still be adjusted.

Reading Lines

To help you track across lines of text or down columns, a horizontal or vertical line can be positioned on the screen.

To enable the reading line, press and hold the blue Freeze button, located on the left edge, at the top.

A flashing horizontal line will appear on the screen. It will flash for 5 seconds and if during that time the Zoom in or Zoom out buttons are pressed, you can adjust the position of the line on screen. After 5 seconds the line will stop flashing.

Pressing and holding the Freeze button again will change the line to a vertical one.

Pressing and holding the Freeze button a third time will turn the reading line off.

Settings Menu

This allows you to adjust settings and see information for your Eye-D v2. To enter and exit the Settings Menu, press and hold the Colour Mode button, (on the left edge of the screen, in the middle).

There are 7 different menu items. To move to the next menu item, quick press the Colour mode button again.

Any settings that have been adjusted are automatically saved when exiting the Settings menu.

1. Screen Brightness (sun icon)

As some users are very sensitive to light levels, the Eye-D v2's screen brightness has 5 different levels. Level 5 is the default setting.

To reduce the brightness, press the Zoom Out (orange) button. To increase the brightness, press the Zoom In (yellow) button.

Reducing the brightness will help to increase battery life.

2. LED Brightness (LED icon)

As some users are very sensitive to light levels and some surfaces might benefit from lowering the brightness level to reduce reflections (e.g. viewing a mobile phone screen) there are 6 different LED brightness levels. Level 3 is the default setting.

To reduce the LED brightness, press the Zoom Out (orange) button.

To increase the LED brightness, press the Zoom In (yellow) button.

3. Volume (speaker icon)

Eye-D v2 features voice prompts to help users know which button they've pressed. The volume can be adjusted in 6 levels. The default level is 0 (off).

To decrease the volume of the voice prompts, press the Zoom Out (orange) button.

To increase the volume of the voice prompts, press the Zoom In (yellow) button.

4. Date and Time (calendar icon)

Eye-D v2 features a large text date and time screen which is shown when in Power Saving Mode.

To set the date and time, use the Zoom In (yellow) and Zoom Out (orange) buttons to adjust the currently highlighted option.

To change the currently highlighted option, e.g. move from year to month, month to day etc. press the Freeze (blue) button.

5. Enabled Colour Modes (contrast icon)

This is used to enable and disable colour modes (as detailed in Enhanced Colour Modes on page 11).

To enable or disable the currently highlighted mode, press the Freeze (blue) button.

To scroll up and down the available enhanced colour modes press the Zoom In (yellow) and Zoom Out (orange) buttons.

6. Battery (battery icon)

This shows the remaining battery level in 10 percent increments.

7. Firmware Version (VER)

This shows the current version of the Eye-D v2 firmware.

Auto Power Off

The Eye-D v2 has an automatic power off function to save battery.

If there is no operation for 1 minute, the screen will display the battery status, date and time. The Battery Indicator LED will also flash green. If there is no operation for another 2 minutes, the Eye-D v2 will automatically power off.

Low Battery

Just before the battery runs out, “Battery Low” will be displayed on the screen. Please charge the unit.

Once the battery is completely flat the Eye-D v2 will automatically turn off.

It is not recommended to use the unit while charging.

Writing Stand

The Eye-D v2 has two positions for writing:

1. Unfold the handle 90 degrees and it can be used as a stand to write underneath.



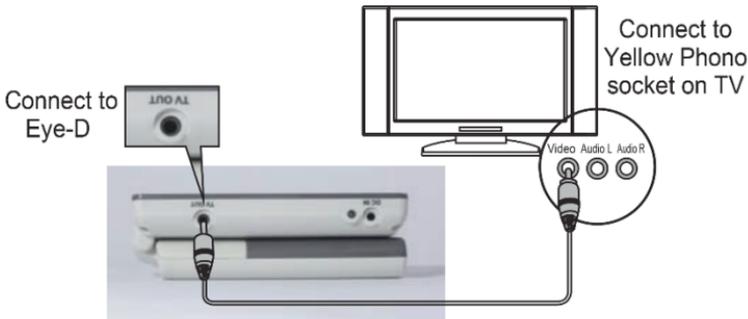
2. Unfold and hold its handle to use the Eye-D v2 for

writing.



TV-Out Function

Eye-D v2 can be connected to your TV to use your large TV screen instead of its integrated 4.3" screen.



Use the included TV Out cable to connect your Eye-D v2 to your TV screen's yellow AV socket (if it has one).

Then turn on your Eye-D v2 and TV and change the video source on your TV (with your remote control) to the appropriate source (normally AV).

The screen of the Eye-D v2 will be automatically shut off when

connected to the TV to save power.

When the TV Out cable is removed from the Eye-D v2, its screen will automatically come back on.

Cleaning your Eye-D v2

To clean your Eye-D v2's screen or camera lens, wipe gently using the included lens cleaning cloth (or a clean cleaning cloth from a pair of spectacles).

Do not use cleaning agents or abrasive materials as they will damage your unit.

Resetting your Eye-D v2

If you wish to reset all the settings on your Eye-D v2 to their default (or if the unit will not power off for any reason) you can do so by pressing the Reset button with a paper clip.

This is located on the top edge of the unit, 1.25 inches (3.2 cm) from the left.

6. Compliances

This product complies with the safety requirements of the directives:

CE:

EN 55022: 2010

EN 55024: 2010

FCC:

FCC part 15 class B



This device bears the CE and FCC approval mark

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
2. This device must accept any interference received, including interference that may cause undesired operation.

7. Specifications

Model:	Eye-D v2
LCD Screen:	4.3" TFT LCD
DC Power:	DC 5V, 1A
Batteries:	Sealed Li-Ion cells
Magnification:	2x – 32x, Continuous zoom
Viewing Modes:	26 modes
Freeze Frame:	Yes
Power Saving:	Auto power off: 2 minutes
Display Luminance:	300 cd/m2
Dimensions: Folded:	9.37" x 2.99" x 0.69" 238 x 76 x 17.5 mm
Unfolded:	4.88" x 2.99" x 1.42" 124 x 76 x 36 mm
Net Weight:	7.69 oz / 218g inc. batteries
Operating Temperature:	10°C to 35°C
Storage & Transport Temp:	0°C to 35°C

8. Warranty

Aumed offers a two-year warranty from the date of original purchase on the main product.

A 6 month warranty is provided for the Li-ion batteries.

- Your distributor will repair or replace the device without charge if the problem is caused by defects under normal use conditions.
- Our warranty does NOT cover (other terms and conditions, please refer to **Safety and Care**):
 - Intentional damage or damage caused by excessive physical force.
 - Using the device under extreme conditions (e.g. under excessive heat) or not following instructions (e.g. using an incorrect power adapter).
 - Scratches and blemishes from normal use.
 - Use of Li-ion batteries other than those supplied with the unit or by an authorised distributor.

9. Additional solutions

VisionAid Technologies Ltd offer completely free and no obligation in home demonstrations of 100s of specialised solutions designed to help visually impaired users to maintain or regain their independence. Some of the latest and most exciting types of solutions are:

Wearable Video Magnifiers

Allow users to watch television again, see friends and loved ones' faces, cook, participate in hobbies, go to the cinema or theatre again and even watch live sporting events.

Desktop Video Magnifiers

Designed to help users read comfortably for much longer periods of time (e.g. to read the daily newspaper, books, magazines etc.). Some units also feature a magnifying mirror feature for personal grooming.

Reading machines

If magnification is sadly no longer enough, reading machines can read your document out loud to you with the push of a button. They include very human sounding voices, different accents and support many languages.

Computer connectible devices

Ideal for computer users, these systems can magnify documents on your computer screen and some can also read them out loud.

Troubleshooting

Problem	Solution
Unit will not power on	The battery is flat, please charge it.
Black screen	Please ensure the lens is placed over some text. Ensure the LED Brightness is not set to 0.
No sound	Please ensure the volume is not set to 0 in Settings Menu.
The image is blurred	Please clean the screen and camera lens with the included cloth.
Text is too small	Increase the zoom using the Zoom In (orange) button.
No image on TV screen	Make sure the TV is turned on. Make sure the AV cable is connected correctly between the Eye-D v2 TV Out port and the AV port on your TV. Ensure the TV has the correct input source selected.
There is a line across my screen	The reading line is turned on. Press and hold the Freeze button to cycle the reading line's position until it disappears.

10. Local Distributor:

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