

enhanced
vision



jordy

Users Manual

Congratulations on your purchase of Jordy!
The ultimate low vision system in the
industry!

Jordy is the only patented product that can
be worn like a pair of glasses and used as
a desktop video magnifier.

Prior to using Jordy, please carefully read
and follow the instructions provided within
this booklet. A good understanding of the
functions will allow you to fully benefit from
the flexibility and features of this device.

**Jordy cannot be used to assist with driving or walking.*

Product enhancements and revisions are an integral part
of what we do here at Enhanced Vision. Please visit –
[http://www.enhancedvision.com/low-vision-product-
line.html](http://www.enhancedvision.com/low-vision-product-line.html)
and select your Enhanced Vision Product. You will find
the most up-to-date version of the User Manual at the
bottom of the page.

FCC COMPLIANCE NOTICE

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.

This equipment has been tested and found to comply 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/TV technician for help.

Unauthorized changes or modification to this system can void the user's authority to operate this equipment.

If your Low Vision device has an option to connect to a TV, it must be used with shielded interface cables in order to meet FCC emissions limits for Class B digital devices. It is the responsibility of the user to use the shielded interface cables supplied with the equipment.

Table of Contents

Safety Precautions.....	5
Items Included.....	6-7
Jordy Accessories.....	8-9
Jordy Controls Console & Ports.....	10-13
Transportation and Care.....	14
Prescription Glasses Insert.....	15
Fitting the Jordy & Viewing an Image.....	16-20
Adjusting the Nose Piece.....	21
Installing Glare Shield.....	22
Reading Using Jordy.....	23-25
Jordy Power and LED Status.....	26
Battery Icons and Power Supply.....	27
Charging the Battery.....	28
Turning the Power On/Off.....	29
Using the Jordy.....	30-34
Jordy HDMI Features.....	35-37
Jordy Menu Items.....	38
Troubleshooting.....	39
Specifications.....	40-41
Warranty.....	42-44
Other Enhanced Vision Products.....	45

SAFETY PRECAUTIONS

For your safety and to obtain the most benefit and life from the Jordy please review these guidelines for use. This device is not designed to restore vision, correct eye conditions or halt degenerative vision loss. An eye care professional can determine the suitability of Jordy for a patient's individual condition. Jordy is to be worn only while sitting or standing still. Do not wear Jordy while walking, driving or during mobility of any kind.

General guidelines for use:

- **DO NOT use Jordy while driving, walking, running etc.**
- Use care when using the Jordy outdoors because it should NOT be exposed to extreme or rapid changes in temperature or humidity.
- Do not place the Jordy near a radiator, heater or areas exposed to long hours of direct sunlight.
- Prevent the risk of electrical shock by NOT attempting to disassemble the unit. Please refer all service to an authorized repair facility.
- Do not use the Jordy in, near, or around water. The Jordy is not designed to offer protection against contact with liquids of any kind.
- Do not use the Jordy during an electrical storm, lightning, or other severe weather.
- Do not use the Jordy near open flames, flammable materials or liquids.

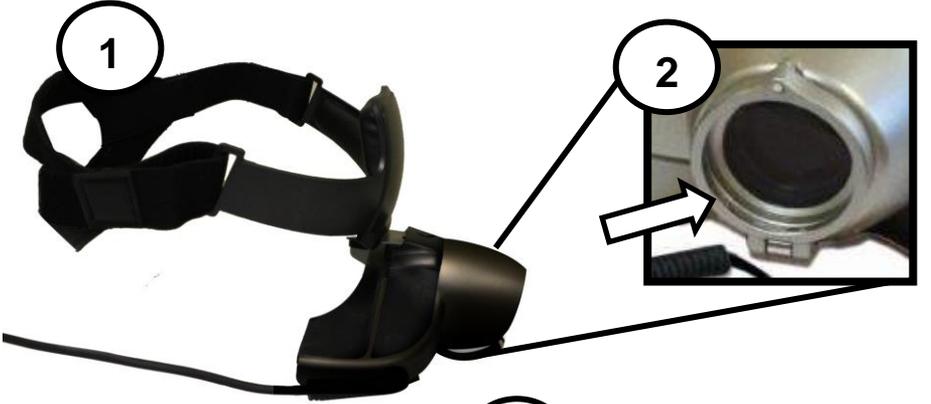
ITEMS INCLUDED

Please refer to the illustrations on the following pages to identify the package contents and controls of your Jordy. In addition to this users guide, you'll find the following items inside the box:

Please note the locations of the following Package Contents included Jordy listed on page 7:

- 1. Jordy Headset**
- 2. Close Up Reading Lens**
- 3. Control Console with integrated 4 or 8
hour battery pack**
- 4. Control Console Protective Case with belt
clip**
- 5. Jordy Carrying Case w/ Storage Pouches**
- 6. AC Adapter**

ITEMS INCLUDED



JORDY ACCESSORIES

Please refer to the illustrations on the following pages to identify the package contents and controls of your Jordy. In addition to this users guide, you'll find the following items inside the box:

Please note the locations of the following Package Contents included Jordy listed on page 9:

A. Glare Shield

B. Static Free Lens Cleaning Cloth

C. Prescription Glasses Insert

**D. Longer Prescription Glasses Fastening
Screws**

E. Adjustable Nose Piece

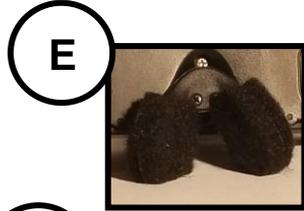
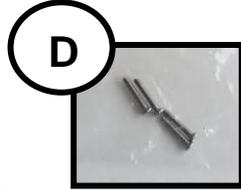
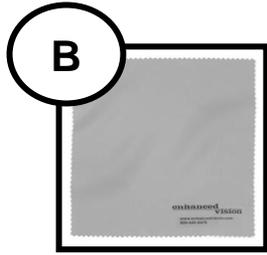
F. 6 ft HDMI to HDMI Mini Video Output Cable

G. 20 ft HDMI to HDMI Video Input Cable

H. Jordy Firmware Update Cable

I. HDMI Extension Adapter

ACCESSORIES



JORDY CONTROL CONSOLE & PORTS

Please note the descriptions of the following controls on your Jordy listed on pages 11-13:

- A. Mode Button:** Press this button to toggle through the various Jordy viewing modes. Press and hold 2 seconds to restore the full color mode. Press and hold 5 seconds to enter Jordy Menu.
- B. Freeze/Focus Lock:** This button is used to “Freeze” the image that is currently in display similar to a camera snapshot. Press to toggle between “Freeze” and “Unfreeze”. Press and hold this button to engage the Focus Lock feature.
- C. Decrease Zoom:** Pressing Zoom “-“ lowers the magnification one level. Pressing and holding this button continuously zooms out to Minimum.
- D. Increase Zoom:** Pressing Zoom “+” raises the magnification one level. Pressing and holding this button continuously zooms in to Maximum.
- E. Find Button:** This button is used for locating objects at high levels of magnification by expanding your Field of View (FOV). Press and hold to expand your FOV and then release to return to your previous Zoom Level.

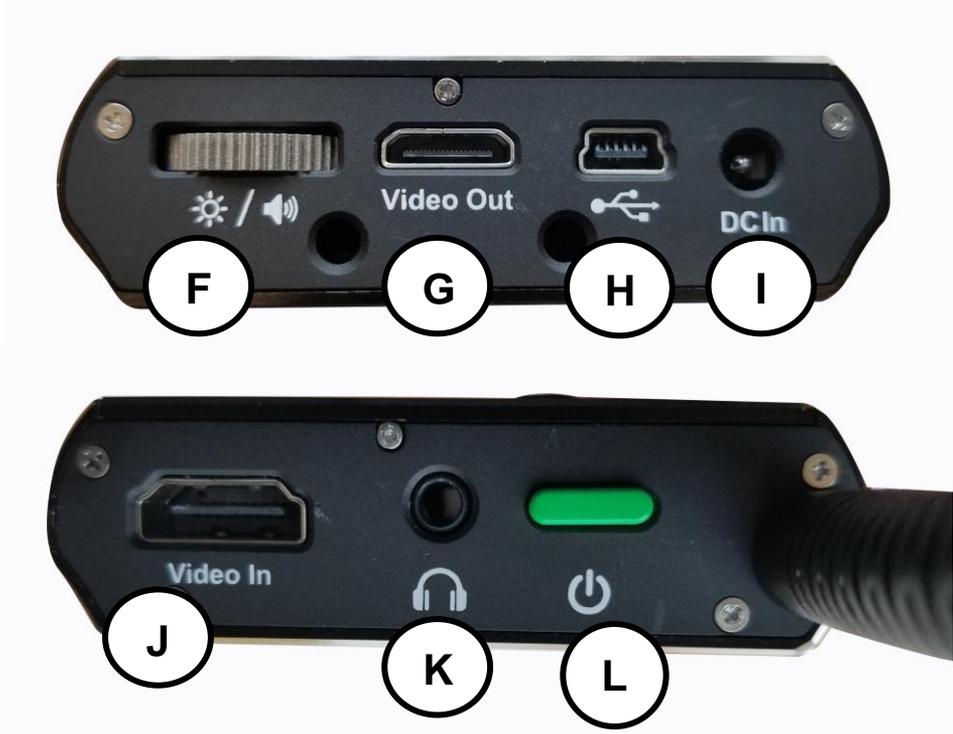
JORDY CONTROL CONSOLE & PORTS



JORDY CONTROL CONSOLE & PORTS

- F. Volume/Brightness Wheel:** Turn the wheel to increase the brightness/volume and turn the other way to decrease the brightness/volume. Press the wheel to toggle between volume and brightness controls.
- G. Mini HDMI Out:** Connect to an HDMI compliant display with the Jordy HDMI mini to HDMI output Cable to show Jordy's camera image.
- H. Mini USB:** Connect your Jordy USB update Cable with a USB Thumb Drive for Jordy Firmware Updates.
- I. DC/Power Jack:** Connect the AC Adapter (Item 6 on Page 7) to this port to recharge your Jordy Internal Battery.
- J. HDMI Video In:** Connect your HDMI Cable to your, TV Cable Box, DVD Player or Computer to watch media on your Jordy Display Screens.
- K. Audio Jack:** While using the Video In on Jordy, you can connect a headphones or a speaker to output the sound.
- L. Power Button:** Press to Power On or place unit in Standby. Press and hold 5 seconds to power unit Off.

JORDY CONTROL CONSOLE & PORTS



Transportation:

- Jordy comes with a convenient carrying case and control console pouch for transport. To prevent the unit from being accidentally dropped and damaged, always return the Jordy to the carrying case while not in use.
- This product can be used as a portable device but it is recommended you do not operate Jordy while walking, running or driving because objects can appear closer than they are. Please use care when connecting/disconnecting cables and accessories or mounting the product in the optional docking station.

Care & Maintenance:

- Always turn the power OFF on the Jordy when the system is not in use via the Green Power button located on the underside of the device.
- If needed, clean the surface of the Jordy with a soft slightly damp cloth or an electrostatic dusting wipe. DO NOT use liquid cleaners on the plastic surfaces. No additional methods of sterilization or cleaning are recommended or required.
- **IMPORTANT:** Always make sure your Jordy viewing screen, lens and front of Jordy optics are cleaned with the lens cloth provided. If any of these components are dirty it may result in a blurry or fuzzy image.

Susceptibility to Interference:

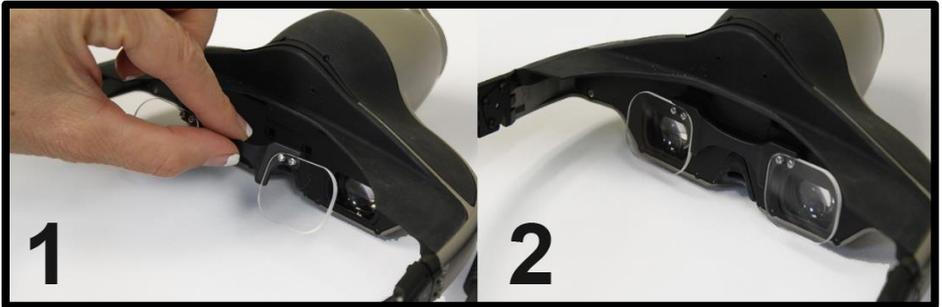
There may be temporary performance degradation of the Jordy when subjected to a strong magnetic and/or radio-frequency field, electrostatic discharge or transient electrical noise. An electrostatic discharge (caused by static electricity) may cause image distortion. If this happens, switch the unit off and try moving the unit to a different location.

PRESCRIPTION GLASSES INSERT

If you wear prescription glasses you may wear Jordy over your normal glasses without issue. We do however include a special insert to improve your comfort and convenience while wearing Jordy. Designed to be fitted with your prescription this insert allows the freedom to wear Jordy without your glasses. Your optometrist can help you with your prescription.



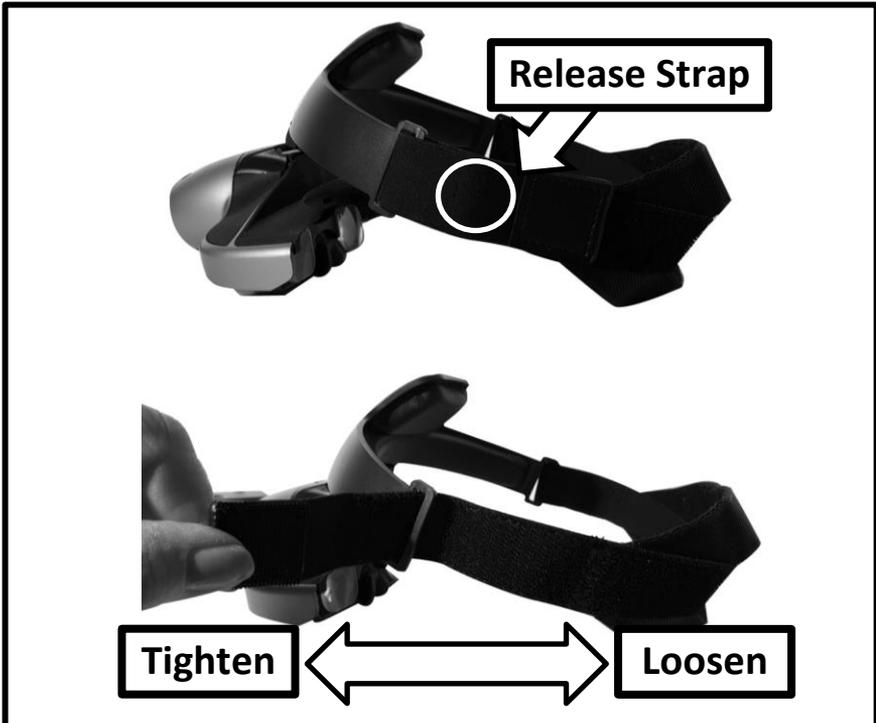
Each lens is 24mm Vertical & 30mm Horizontal



Installation is easy. First simply grasp the insert by the central arch as shown in picture #1 below and next press firmly into the Jordy headset as shown in picture #2 until secure.

FITTING THE JORDY & VIEWING AN IMAGE

Step #1: Your first time wearing Jordy you should notice the head straps which wrap around your head and are designed to hold JORDY in place. For comfort, you should adjust the bands as necessary to fit your head. With the camera facing away from you, detach the fastening strap to loosen the straps. Then one at a time adjust both the left and right headband straps to the desired distance. It is recommended that for your first fitting you should give yourself a little slack and then tighten the straps a little bit at a time while you are wearing Jordy for an ideal fit. **It is important to note that if the straps are adjusted properly the Jordy should float in front of your eyes and there should be no weight or discomfort on your nose.**



Step #2: PLACING JORDY ON YOUR HEAD

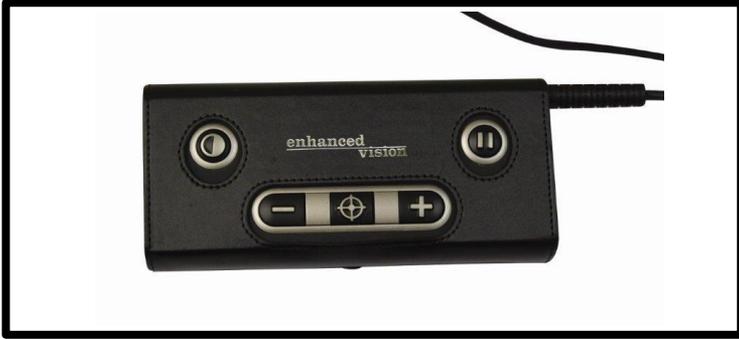
We suggest two methods for placing Jordy on your head. Please refer to the labeled examples below. **MAINTAIN A FIRM GRIP ON THE JORDY HEADSET AND HEAD STRAPS WHEN PLACING JORDY OVER YOUR HEAD.**

1. **Back to Front Method (Figure 1):** Place the head straps securely behind your head and gently slide the Jordy main assembly down and forward until it rests comfortably on your forehead. You may need to adjust the head straps and the viewing angle of the Jordy display covered In Step #4. After fitting Jordy should feel secure yet comfortable.
2. **Front to Back Method (Figure 2):** Place the Jordy headset on to your forehead so that the Jordy display is clearly visible. Then slide the head strap to the back of your head until it is resting comfortably. You may need to adjust the head straps and the viewing angle of the Jordy display covered In Step #4. After fitting Jordy should feel secure yet comfortable.



Step #3: HOLD CONTROL CONSOLE & POWER ON

Ensure that your Jordy Battery is fully charged. While holding the Jordy Control Console, press the GREEN power button to turn the device on. To turn it off simply press and hold the Power button down for 5 seconds.

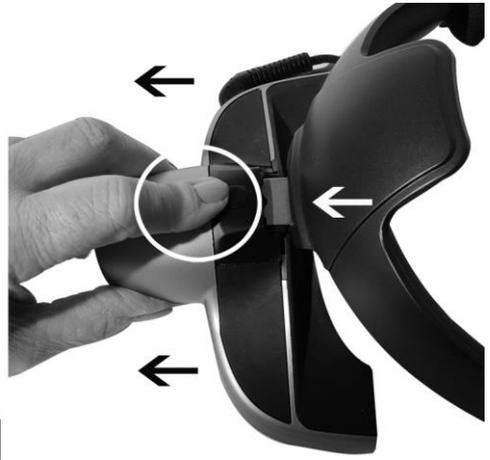
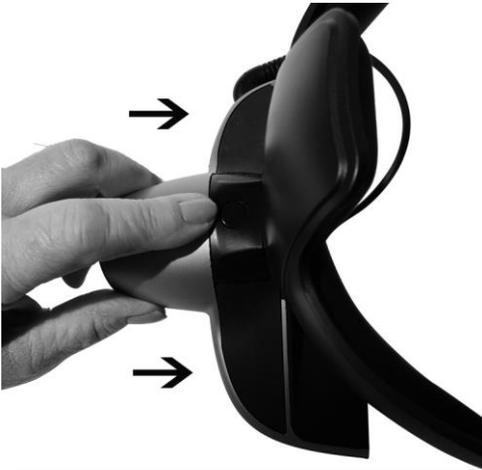


Step #4: ADJUSTING THE JORDY VIEWING SCREEN

You will notice that the Jordy features a pivoting/adjustable hinge with tilt that will allow you to adjust and modify the viewing angle of the Jordy display screens and the relative distance to your face. This gives a high degree of flexibility when adjusting your viewing angle while Jordy is placed on your head. If the image in the view screen is not clear try double checking the reading lens is On/Off or tilting Jordy up and down to ensure that you can see the screen as much as possible.



For your comfort, you may need to reposition the distance the Jordy display is in front of your face. This is done by locating the button indicated below above the Jordy camera housing.



**Press button & Push in to
move headset closer**

**Press button & Pull to
move headset away**

Once the button is found press it as indicated above and while the button remains pressed you should push or pull the Jordy headset away from the head mount. After the headset is in the desired position release the button. You may need to readjust the Jordy display angle again.



Side view button location

Step #5: VIEWING THE MAGNIFIED IMAGE

Once the device is powered on and positioned comfortably you should see a Jordy splash screen display briefly and then immediately afterwards you will observe the magnified image. It's that simple. Change viewing modes, magnification and other features via the Jordy Control Console to suit your own preferences.



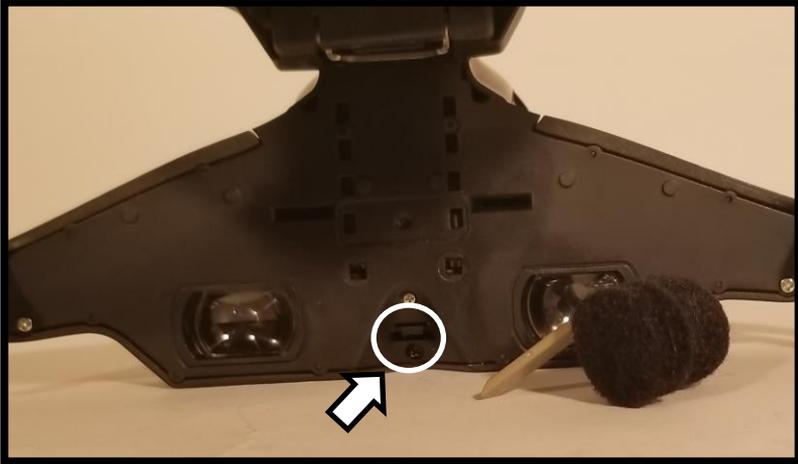
The Jordy features two OPTIONAL peripherals covered on the following pages that can improve your viewing experience in certain conditions.

#1 Nose piece and support- This peripheral provides additional support and cushioning for your nose.

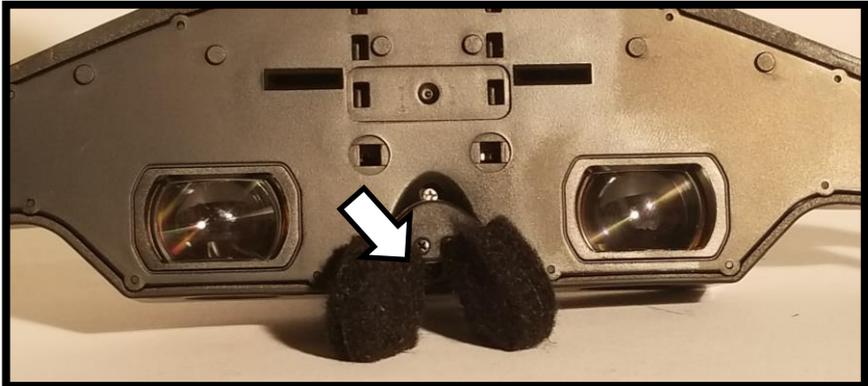
#2 Glare Shield- This peripheral is intended for daytime/outdoor use and should eliminate the impact of the outside ambient light sources when using Jordy.

ADJUSTING JORDY NOSE PIECE

The nose piece is included with your purchase and is marked as Item E on page 9.



There are a series of indents on both the nose piece and in the receptacle that will hold it securely in place inserted.



Gently but firmly push or pull on the nose tab to remove or adjust the support level. Please note that the support is completely optional and may not be comfortable for all facial types.

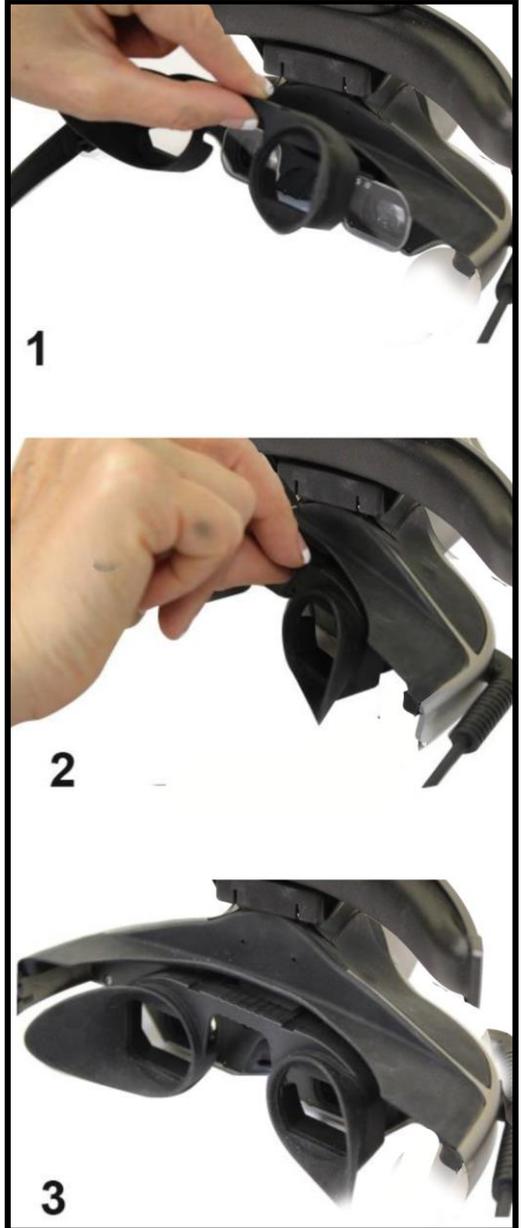
INSTALLING THE GLARE SHIELD

Jordy is designed to be used indoors and outdoors. To minimize glare when outside an optional glare shield may be installed as well.

Step #1: Locate the black glare shield which is shown on Page 9 Item A. Please, notice both the tabs on the glare shield and the receiving indents along the face plate for Jordy just above the dual displays.
**Note: You can use the prescription insert and glare shield simultaneously.*

Step #2: Grasp the Shield firmly as shown and insert the tabs into the previously mentioned indents. Slide them in until they “Click” into place. Please be careful not to insert the glare shield tabs at an angle or roughly to avoid breaking or damaging your Jordy.

Step #3: The glare shield should now be fully installed and should help reduce the amount of glare visible when using the device in outdoor environments. To remove the glare shield simply grasp the shield by the center arch and gently pull straight back until the shield comes loose.



READING USING JORDY

Reading with Jordy while holding your material

Depending on how much magnification you need, there are 2 common ways to read with Jordy while holding the material:

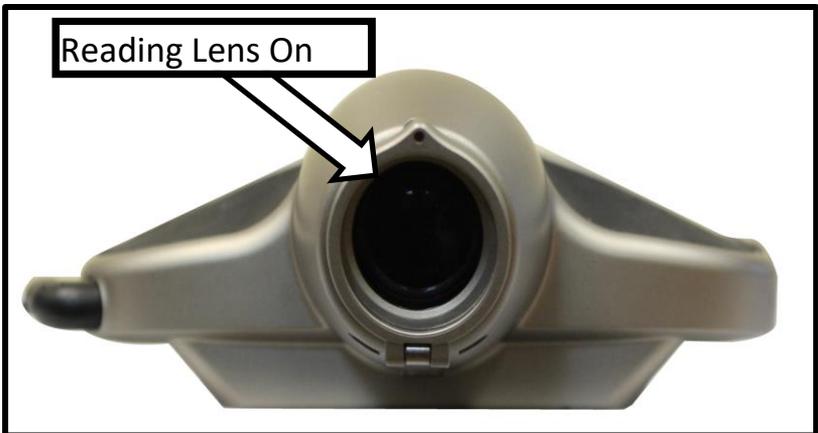
Tip 1, Low magnification Reading

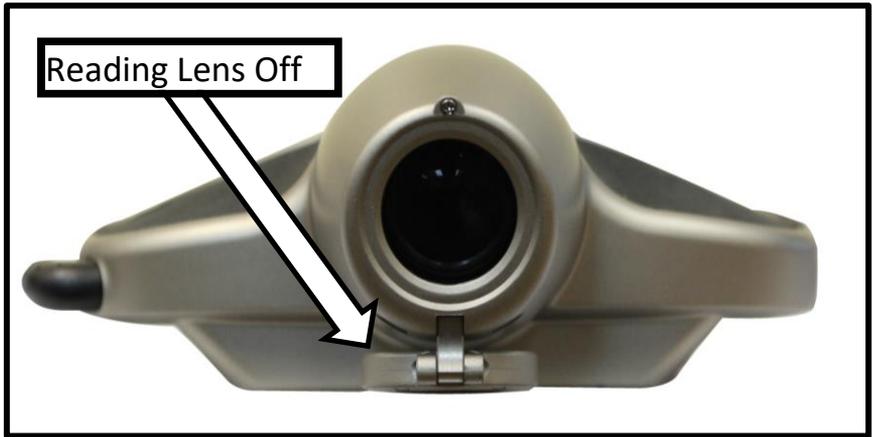
For this option, use the Jordy with the Reading Lens “OFF” the camera and keep the zoom levels between 1 and 4. Position your material at a comfortable reading distance. Move your material as needed closer to the Jordy to increase magnification. Please note that this will not work over zoom level 4.

Note: Please be sure the camera lens is clean so your image quality is at its best.

Tip 2, Medium to High magnification Reading

For this option use the Jordy with the Reading Lens “ON” in front of the camera and keep the zoom levels at 5 and above. Please note the higher the zoom level the more sensitive the camera image will be. Hold your reading material about 4.5 to 11.5 inches” away from the Jordy so you can see the text in focus. As one magnifies the minimum working focus distance of the Jordy increases. It is safe to remember than the image will always focus with the reading lens “ON” when holding your reading material from 9 to 11.5 inches





Note: Please be sure to clean the reading lens and camera lens with the cloth provided to ensure a clear focused image on the glasses.

Tip 3, Reading without holding the material

Placing your reading material on an A-Frame reading/book stand can make it easier to keep your reading material steady because you do not physically have to hold the material. For people that have slight hand tremors, this option is very convenient.



Please reference Tip 1 and/or Tip 2 for the proper Reading Lens position.

Using the Jordy for Distance Viewing

Jordy is an ideal product for viewing objects at a distance. Going to a ball game, a movie, and seeing your child's soccer game are now possible with the Jordy. Using the Jordy for Distance Viewing is easy. Depending on the level of magnification and the with the reading lens "Off", the Jordy can focus as close as $\frac{1}{2}$ inch away (12 mm) at the minimum magnification or at no closer than 3 feet away (91cm) at the maximum magnification level. When one magnifies, the minimum working focal distance of the Jordy increases proportionally. It is safe to remember that if the you are looking at an object at 3 or more feet away, leave the lens "OFF" because the Jordy will focus at ALL levels of magnification at this distance. In addition, the Jordy with the lens "OFF" will focus to infinity.



JORDY POWER AND LED STATUS

Your Jordy features an internal battery that is recharged by connecting it to the included Jordy AC Adapter. Ensure the Adapter is connected to wall power and that the Jordy Status LED is blinking (indicating it is charging). The Status LEDs will be both Solid Blue and Solid Amber when battery is full. Please fully charge your Jordy prior to first use.

Note: The LED Status Indicator corresponds with 2 LED Status Indicators that indicate your current Device and battery status at a glance. (Please see the table below)

- Always ensure that the Jordy is connected properly to the adapter during charging. (Amber Light should Blink when charging and will turn Solid when fully charged.)
- As you use your device the current battery status will be updated on the Jordy display screen while in use. Please refer to the battery status table below and on the following page.
- It is always good practice to charge your Jordy at the end of the day and overnight so it is fully charged and ready for use the next day.

Device Status	Blue LED	Amber LED
Unit Off	Off	Off
Low Battery	Off	Blinking
Battery Charge Normal	Off	Solid
In Standby-Battery Charging	Blinking	Blinking
In Standby-Battery Charge Complete	Blinking	Solid
Battery Charging	Solid	Blinking
Battery Charge Complete	Solid	Solid

BATTERY ICONS AND AC ADAPTER

The battery icons below appear as needed on your Jordy as On Screen Display Elements. To access the On demand battery indicator press and hold the “Mode” & “Zoom –” buttons for 3 seconds to check your battery.

Battery Icon	Description
	Battery is charging. (Viewable while connected to AC Adapter)
	Battery Level is Full and ready for extended use.
	Battery Level is at 75% and should still be sufficient for use.
	Battery level is at 50% indicating half charge.
	Battery level is low. Recommend you recharge your device.
	Battery level is Critical. Device will power down imminently.

- In order to charge your device you must connect it to the AC Adapter that was included with your Jordy.
- Please refer to the Jordy Control console and notice that there is a port labeled “DC IN”.
- Insert the Adapter pin here and then refer to the Device Status and Battery Charging tables on the previous page and above.
- When connected the Thunderbolt battery icon should display on the screens indicating it is charging.



CHARGING THE BATTERY

Using Jordy's Rechargeable Battery

It is recommended to leave the unit charging overnight when the unit is not in use to maintain a continuous charge on the battery. This way, your Jordy will always be ready for portable use. Please note it is not possible to overcharge the included battery.

Important Points When Using Battery Power

- The rechargeable battery should be fully charged prior to the first use. Based on your device's battery size it should remain connected to the AC Adapter for approximately 5 or 10 hours.
- Depending on the model you have purchased (large or small battery) you can expect 8 or 4 hours of continuous operation depending on the age of your battery.
- You may make use of the standby feature throughout your day to conserve battery life. You can then quickly resume operation when needed that way. Please note however that after 30 minutes in standby while on battery the Jordy will automatically shut off to prevent battery drain.
- Please note that Jordy has a menu option that when selected will cause the Jordy to go into standby automatically to preserve battery when the user does not interact with Jordy controls for a period of time.
- The Standby state conserves more battery power than having the device in the ON state and additionally allows a user to resume use quickly in between sessions.
- Please do not attempt to charge the Jordy battery in situations outside of the suggested operating temperatures for Jordy. Doing so can result in undesirable behavior or damage to your device.

TURNING THE POWER ON/OFF

Use the following procedure to turn the power of your Jordy On or Off or set the device to Standby: Find the Green Power button on the side of the unit. (See Figure 1)

1. ON: Press the **Green** Power button for 1 second or more to turn the Jordy on. After the Jordy 'Splash Screen' is seen your live image will appear shortly on the LCD display. LED Status Indicator will turn Solid Amber When Device is in the ON condition on Battery Power.
2. OFF: To turn off the Jordy, press and hold the Power button again for 5 seconds or more when device is in ON state. LED Status Indicators will be Off when device is powered down.

Note: When the AC Adapter is plugged in the Jordy will never be fully shut off but rather in standby state to ensure battery charging.

3. STANDBY: To place the Jordy into standby state make sure the Jordy is already powered On. Then press the power button quickly to enter the power saving mode that turns off the LCD screens. You can quickly resume function by pressing the Green Power button again briefly. Your device can also enter Standby automatically if that feature is enabled in the System Menu.



Figure 1

USING THE JORDY

In order to use your Jordy you should ensure that the battery is fully charged (As indicated in the previous section). Then turn the device ON via power button while the device is already placed on your head. It is also recommended that you configure the device settings ideally for your personal eye condition. You may change the magnification level, adjust color viewing modes and brightness to suit your visual needs.

- As you acclimate to the device it is recommended that you initially use it for short periods of time (Start with approximately 5, 10 or 15 minutes of use and then slowly increase your intervals as you feel comfortable).
- Avoid rapid head movements or motions while wearing Jordy, especially at higher magnification levels.
- Ensure that you are using the Reading Lens properly as instructed previously in this manual for close and long range distances.
- It is recommended that you use Jordy while remaining stationary or while sitting down for the optimal experience.



Adjusting the Image Size

One of the first things you will want to do when viewing a target is adjust the magnification or zoom to suit your needs. In the center of the Jordy control console there are two tactile buttons with a “Plus” sign and a “Minus” sign. These buttons are referred to as the Zoom buttons. Use the following procedure to adjust the magnification(size) of the image on the LCD.



Figure 1

- “Zoom –” is located on the lower left hand side of the control console and is used to decrease the zoom.
- “Zoom +” is located on the lower right hand side of the control console and it is used to increase the zoom.

Note: There are 16 predefined zoom levels on the Jordy. Pressing and holding the “+” or “-“ ZOOM button will result in a ‘continuous zoom’ towards your target. The current zoom level will be displayed via the Jordy On Screen Displays as you transition between each level. Always make sure you have the “Reading lens” in the correct position for your distance target.

Viewing Modes:

Jordy comes equipped with different built in Enhanced Color Modes. You may wish to sample each enhancement to make the image easier to see.

By pressing the Mode button (See Figure 1) you can cycle through the 7 pre-set viewing modes.

- Full Color Image
- Positive Image (Black On White)
- Negative Image (White On Black)
- Green On Black
- Yellow On Black
- Yellow On Blue
- Black and White Image

Note: There are a total of 31 configurable color select choices that can be accessed in the system menu.

Note: Hold Mode for 2 seconds to return back to 'Full Color' mode.

Note: Hold Mode for 5 seconds to enter into the Jordy System Menu. For more information on the system menu please see page 38.



Figure 1

Adjusting Screen Brightness:

The Jordy LCD Screen Brightness can be adjusted by turning the Brightness & Volume wheel in Figure 2.

This Cycles between 5 brightness Levels

- 20% Brightness (Dimmest)
- 40% Brightness
- 60% Brightness (Balanced)
- 80% Brightness
- 100% Brightness (Brightest)

Note: Jordy features a Brightness and Volume Toggle Switch. You must press the wheel in figure 2 like a button to change between brightness and volume adjustment.

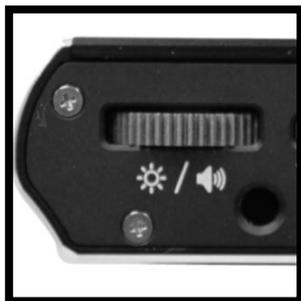


Figure 2

Adjusting Device Volume:

When viewing a TV image in the Jordy Glasses for Example the Device Volume can be adjusted by turning the Brightness & Volume wheel in Figure 1.

This Cycles between 15 Volume Levels with 1 being audio mute and 15 being the loudest setting. It will also indicate with an On Screen Message that you are on the Maximum Volume or Minimum Volume.

Note: Jordy features a Brightness and Volume Toggle Switch. You must press the wheel in figure 2 like a button to change between brightness and volume adjustment.

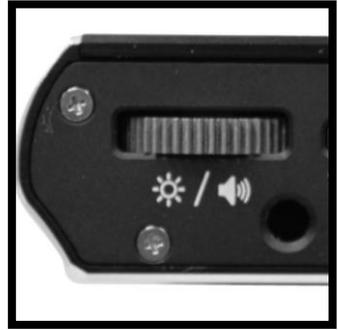


Figure 1

Find/Locate Button:

Directly between the Zoom “+” and “-“ buttons is the Find/Locate Key. When you continually press this button down you engage the Jordy find function. This automatically zooms your device to minimum magnification and presents you



Figure 2

with a yellow targeting symbol indicating the Field of View you will see when you remove your finger from the Find/Locate feature. This is a useful feature because your Field of View at the minimum magnification is much larger making it easier to locate a target and quickly zoom back in to your desired level.

Note: You must press and hold to fully engage the Find/Locate function and then release your button press to return to your previous zoom level. This feature is most useful at high levels of magnification.

Freeze

If desired, you can temporarily “Freeze” the Jordy’s camera image on the display screens. This will create a still image on the display. While an image is frozen you can further magnify and change viewing modes just like you can in the Live Camera View. This feature is quite useful for reading price tags, prescriptions or other information that may need to be temporarily captured. Simply press the “Freeze” key as shown in figure 1 to freeze an image and then press again to un-freeze an image and return to Live View.



Figure 1

Focus Lock:

Your Jordy is equipped with a Focus Lock feature. When needed you can lock the focus at a specific distance for optimal viewing at a fixed location. This feature is turned on and off by holding the Freeze button (shown above in Figure 1) for 3 seconds until the lock icon appears or disappears in the top right corner. Please note that once you turn on the Focus Lock and you zoom in or out the Jordy will refocus and lock again.



- Focus Lock is engaged and disengaged by holding the “Freeze” key for 3 seconds or more.
- You can tell focus lock is engaged or disengaged due to the presence of the yellow and black lock icon in the upper right hand corner of the screens (Lock On = Focus Locked, No Lock = Auto Focus)

JORDY HDMI IN & OUT FEATURES

The Jordy is designed for both input and output of HDMI video signal. This means that you can watch TV, DVDs or Computer display right on your Jordy headset or view the Jordy Camera Image straight to your HDMI television or Computer Monitor.

- The VIDEO In and Out supports HD 720p 60/50hz format.
- Video out connects to the included Mini HDMI cable and will output your video to a TV or Monitor for example compatibility.
- Video In connects to the standard HDMI cable and will accept HDMI input and display it on your Jordy internal LCD Display. Note that HDCP protected content which is a type of digital copy protection to prevent illegal piracy will not display on Jordy
- In some cases you may need to purchase our TV HDMI SPLITTER-SIGNAL BOX which may decode the HDCP protected content video input signal and ensure maximum compatibility
- You can utilize the built in Audio Jack and headphones to turn your Jordy into your own portable head mounted theater.
- It takes several seconds for the video input signal to show on your Jordy headset after you connect the HDMI cable. Until then you will see a HDMI logo as in Fig 1. If you do not see any video from your video equipment after 20seconds your video equipment may need to be manually configured to output 720p video. Please consult your device specific instruction manual to ensure that your video signal is compatible for use with Jordy.



Figure 1

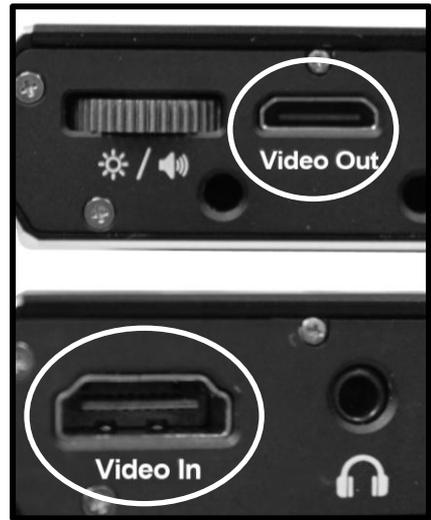


Figure 2

JORDY HDMI COMPATIBILITY

Please use the following process and troubleshooting guide to ensure maximum compatibility with the various HDMI video sources you may use with Jordy.

1. First, plug your media player's HDMI output to Jordy. Then wait 30 seconds and verify if the video displays in the Jordy headset. If you do not see an image on the screen please proceed to step 2.
2. Next restore your normal HDMI connections between your media player and your TV directly without Jordy. Use your TV Set (not media player) Info display to reveal the actual display resolution which is being sent by your media player. If the signal cannot be output to 720p it will not be compatible with Jordy.
3. For some devices you can go to your media player settings and find the video resolution settings. You must manually set the resolution to 720p and then exit the settings. You should confirm with your info display that the TV set is now receiving 720p resolution. If so you may proceed.

Note: You should consult your media player manual and settings for further details in order to set the resolution manually.

4. Once complete confirm that the TV set is receiving 720p you should now be able to easily plug and play with your Jordy. Wait a few seconds and you will see the image of your media player.

WATCHING TV AND MOVIES

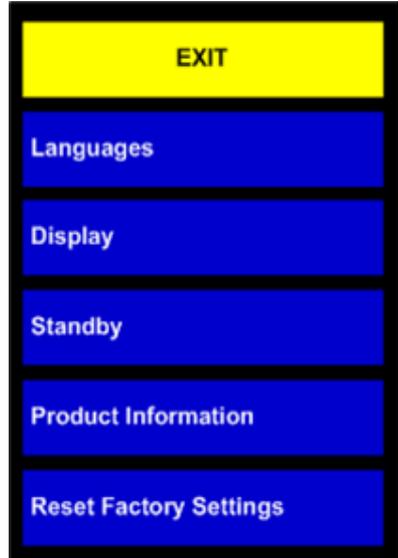
Please keep the following tips and suggestions in mind if you decide to watch Television, Movies or Look at a Computer Display with Jordy.

1. Always ensure that your Jordy is plugged into the AC Adapter before beginning to watch a TV show, Movie or use a computer program. This will ensure you always have a full charge and you may continue to watch your show without having to verify the charge on your battery.
2. Make sure you adhere to the compatibility guide indicated in the previous section. The video format is important and is required to get the best experience.
3. Check your current audio level before starting your Movie or Television show! Prior to starting the show double check the audio setting of your device using the Volume/Brightness wheel of your control console **ESPECIALLY WHEN USING HEADPHONES**. Jordy volume is adjustable even when system sounds are not audible and this should be done as a precaution to prevent hearing damage.
4. If you are attempting to watch a movie or television show and your device appears to keep going into “Standby” mode. Double check your Jordy system menu to ensure that the “Auto-Standby” feature is turned off. This will allow uninterrupted viewing and the best user experience. Note that when Jordy is plugged into the AC Adapter the Auto-Standby feature is always disabled regardless of the menu setting

JORDY MENU ITEMS

The Jordy menu is accessed by pressing and holding the color mode button for greater than 5 seconds. The Zoom “+” and “-” or Volume/Brightness thumbwheel can be used to navigate and highlight the various menu selections and the “Freeze” button or Volume/Brightness Push button can be used to confirm a selection. Please see the brief summary below of the menu options available.

- 1. Languages:** The Languages option allows you to change the On Screen Display Messages/Notifications language. Use the menu navigation buttons to choose from one of the 21 available languages.
- 2. Display:** The Display option allows you to turn Screen Messages/Notifications On and Off, switch to 50hz mode, Adjust your Brightness, Adjust your Color Mode Contrast Threshold or change your available enhanced Color Modes from the default.
- 3. Standby:** The Standby Option allows you to configure the Jordy Auto-Standby Feature by turning it On or Off and by changing the timer before the feature is engaged.
- 4. Product Information:** The Product Information will display the technical information of the Jordy and will indicate your Software Revision level on your device. It may be useful to know this information in the event you need to contact technical support.
- 5. Reset Factory Settings:** Selecting the Restore Factory settings option will automatically set all of your options to a “Factory Fresh” condition. All your color options, display, power settings etc will match when your unit was brand new.



No power to the unit

- *Have you checked to make sure that you've charged your Jordy with the included power supply?*
- *Is the power supply properly connected to a surge protector or an AC outlet (mains)?*
- *Ensure that the charging pin is making good contact with your Jordy and allow your Jordy to charge overnight.*
- *Are your Jordy Status LEDs Blinking while charging?*

Video image on LCD is blurry or not clear

- *Clean the LCD display and/or camera lens using the included cleaning cloth.*
- *Adjust your distance from your reading material or adjust the head angle as needed to improve image quality (focus)*
- *Verify that you are not in focus lock (Look for Lock Icon)*
- *Always ensure the Jordy Close-up Lens is flipped down.*
- *Should you be wearing your prescription glasses?*

Video image on LCD display is too bright/dark

- *Try selecting different viewing modes to improve image quality.*
- *Try adjusting the LCD brightness via the brightness wheel/ button.*
- *Try changing your lighting environment.*

After Image won't disappear

- *Jordy micro LCDs may exhibit a "ghost image" or image retention phenomenon for a few minutes after looking at a static pattern. This does not reflect a malfunction and will dissipate with time when looking at a different target. Note this effect may be more pronounced the higher the environment temperature is*
- *Avoid looking at the same location without moving for long periods of time.*

SPECIFICATIONS

Features:

Display:

Twin head mounted LCD Displays

Weight:

Jordy Headset & 4 hour battery pack – 1lb 4.2oz or 572.6g

Jordy Headset & 8 hour battery pack - 1lb 8.8oz or 703g

Camera:

Camera: 720p HD – 60 FPS

Physical Dimensions:

Headset Specs: Length- 6 ½", Width- 7 ½", Height- 5 ¼"

Large Console Specs: Length-8", Width- 2 7/8", Height- 1 3/8"

Small Console Specs: Length- 8", Width- 2 7/8", Height- 1"

Magnification Ranges:

The magnification range while wearing the Jordy varies substantially depending on how close one is to the target. However we can say that at 6 ½ feet away (2 meters), at Maximum Zoom the magnification is equivalent to 30x.

Warranty: 2 Years

*Product specifications subject to change without notice

Environment:

Operating Temperature range: 0-40 °C / 32-104 °F

Storage/Transport temperature range: 0-60 °C /32-140 °F

Battery:**Estimated Charge times (using rechargeable batteries)-**

5 hours for Small Battery

10 hours for Large Battery

Estimated Usage Times (using rechargeable batteries)-

4 hours for Small Battery

8 hours for Large Battery

Power Supply:

100-240V~, 50-60Hz, 9VDC, 2.6A.

**To prevent condensation, do not use the unit for 1 hour after transporting the unit from extreme cold to room temperature.*

***All times listed are approximate. Actual Charging and Usage times may vary depending on the life cycle remaining on the battery, LCD brightness setting and/or other variable factors.*

In the interest of continuous product improvement, specifications and/or minimum system requirements are subject to change without prior notice.

WARRANTY INFORMATION

Enhanced Vision Jordy Warranty Policy

Enhanced Vision products are designed to give you the highest quality image, convenient features, ease of use and reliable service. The Jordy has been inspected and tested prior to shipping. Enhanced Vision warrants the Jordy against defects in material and workmanship under normal use for two (2) years from the date of original purchase. Enhanced Vision, at its option, will at no charge either repair the product or replace it during the warranty period. There are no other expressed or implied warranties accompanying this product. Customer will cover shipping costs to Enhanced Vision and Enhanced Vision will cover shipping costs when returned to customer.

This warranty policy does not cover:

- a) Defects or damage from misuse, use in other than normal and customary manner, accident or neglect;
 - b) Defects or damage from improper operation, maintenance, installation, adjustment, alterations or modification;
 - c) Defects or damage from spills of food or liquid;
 - d) All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal use;
 - e) Damage due to operation of the Jordy with equipment not supplied or designed by Enhanced Vision.
 - f) Temporary image burn in on the Jordy display screens that dissipates over time.
- You must provide proof of purchase, bearing the date of purchase, in order to receive warranty service.

-
- Anyone using this product does so knowingly assuming certain risks, due to the need to utilize vision enhancement devices.
 - A 2-year extended warranty option is available within 12 months from the date of purchase. Please contact Enhanced Vision for detailed information.

Service Process

In the event that technical support or repair service is needed, please contact your local Enhanced Vision representative or the Enhanced Vision warranty service center. If warranty service is required, please contact Enhanced Vision at (800) 440-9476 Monday through Friday, between 8 a.m. and 5 p.m. Pacific Standard Time (PST) to request a return authorization number.

Warranty repairs will not be accepted without a valid return authorization number.

You may wish to keep the original product packaging in case warranty service is required. The manufacturer cannot provide packaging for warranty repairs.

NOTE: Please completely fill out and send in the enclosed warranty registration card.

Technical Support:

Main Toll Free (800) 440-9476 ext. 3

Local Phone: (714) 465-3400 ext. 3

E-mail: evsupport@enhancedvision.com

OTHER ENHANCED VISION PRODUCTS

DaVinci Pro



DaVinci Pro is a high performance desktop video magnifier (CCTV), featuring a Sony Full HD 3-in-1 camera & Full Page text-to-speech (OCR). With Full HD you will experience high definition color and contrast giving you a beautiful, crystal clear picture and vibrant colors. Experience the joy of reading with our new Full Page text-to-speech feature. DaVinci Pro will read any printed text aloud with the push of a button.



Merlin ultra HD



Merlin ultra HD's camera technology produces an even truer, more natural image. Easily read books and magazines, read and write letters, manage your financial records, view color photos, do crossword puzzles, and even pursue a favorite hobby.

Magnification:

20" LCD: 1.9x (min) to 51.2x (max)

22" LCD: 2.1x (min) to 55.9x (max)

24" LCD: 2.3x (min) to 61.2x (max)



Merlin elite Pro



See and hear the difference! Merlin elite pro is a high performance desktop video magnifier (CCTV), featuring HD and text-to-speech (OCR). High definition color and contrast provides a beautiful, crystal clear picture and vibrant colors. Merlin elite's unique design allows for a wide field of view, displaying more text on the screen.

Magnification: 2.4x - 70x





Acrobat HD ultra LCD

With a built-in 22", 24" or 27" HD LCD, the Acrobat is a 3-in-1 HD video magnifier ideal for near, distance and self-viewing. By rotating the camera, you can read, write, groom, and magnify images at any distance. The Acrobat HD ultra LCD offers a complete system for those at work, school or home.

Magnification: 1.4X – 71X (varies with LCD size).



Smart Reader



A Full Page reader that makes reading enjoyable again! Easy-to-use, Smart Reader boasts a lightweight portable sleek design with a user friendly console. Position your document and press a button, in seconds Smart Reader begins reading aloud. Connect Smart Reader to a TV or monitor and enlarge your captured image to follow along as it reads. Perfect for work, home, school, vacation and on the go.

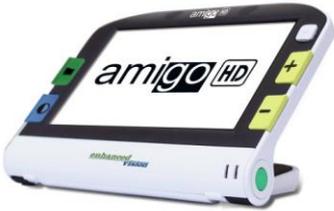


Transformer HD

Transformer HD with Built-in Wi-Fi is a high performance portable video magnifier (CCTV), featuring a Sony® Full HD 1080p 3-in-1 camera for reading, writing, and viewing magnified images at any distance. Wi-Fi capability, and optional Full Page Text-to-Speech (OCR) makes it a perfect solution for school, work or home



Amigo HD



Amigo HD is a truly portable desktop magnifier. Optimal viewing is achieved with a tilting 7 inch viewing screen. Amigo HD provides 1.4x to 14x digital magnification and the lightest weight in its class. Amigo HD has an integrated battery and can be taken anywhere.



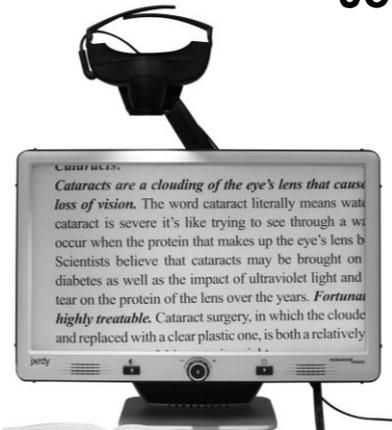
TV HDMI Splitter Box



This accessory is used to split one HDMI input signal into two output signals. For example, taking the HDMI out signal from your cable box and then watching TV on both the Jordy glasses and external TV. If for any reason your cable box does not have a compatible signal coming out of it that will work with the Jordy, you can install the TV HDMI Splitter/Signal Box to decode the HDCP signal.



Jordy CCTV Docking Stand



Converts Jordy into a fully functioning 24" HD CCTV with autofocus camera.

Simple and easy to use with a wide range of adjustable magnification.

Multiple viewing modes for optimized contrast, locator button and built-in LED lighting.

COMING SOON!



The Jordy video magnifier is designed to enlarge and enhance images to improve the lives of people who have low vision. The extent to which Jordy can improve the ability to see images and text depends on a person's individual condition and level of visual impairment. The Jordy is not designed to restore vision, correct eye conditions or halt degenerative vision loss. An eye care professional can best determine the suitability of the Jordy for a patient's specific condition. For more information, please visit www.enhancedvision.com.

www.enhancedvision.com
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