



# APH Jupiter Portable Magnifier User Manual

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**APH Jupiter Portable Magnifier**

**User Manual**

# Jupiter Portable Magnifier™

# User Manual



AMERICAN PRINTING HOUSE FOR THE BLIND

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The Jupiter was developed by Vispero and is distributed by APH. Jupiter Portable Magnifier is a trademark of

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## Precautions

**Please read this manual carefully to ensure safe and proper use of the product.**

### **! Important !**

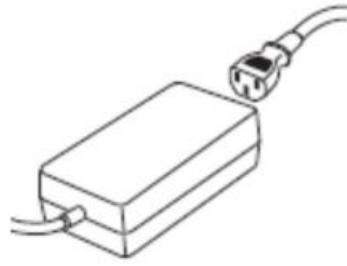
- Negligent use or misuse of the product may cause a fire, personal injury, or serious damage.  
To prevent electric shock or fire:
  - ◆ Do not use damaged power plug or unsuitable outlet.
  - ◆ Do not touch power plug with wet hands.
- Misuse of the product may result in personal injury or damage to the unit.
- Use only the adapter supplied with the product. Other adapters may damage the unit.
- Do not use this unit in moist environments, such as a bathroom or shower room.
- Do not place heavy objects on the unit.
- Do not attempt to disassemble, remodel, or repair the unit. Doing so may damage the unit and will void the warranty.
- After six (6) months usage, the lifespan of the battery may be shortened.
- Keep the product out of direct sunlight and extreme temperatures, as the display may not work properly.
  - ◆ The recommended operating temperature is between 0 ~ 35 oC (32 ~ 95 oF)

## Package

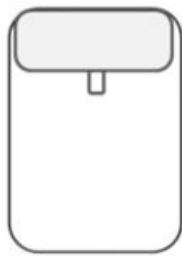
Thank you for choosing Jupiter Portable Magnifier™!  
Please ensure the following items are in the Jupiter package.



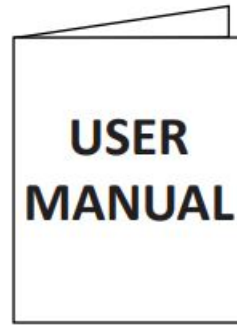
1. Jupiter Portable Magnifier™



2. Power adapter



3. Carrying pouch



4. User Manual

## Instructions Before Use

- The battery must be fully charged prior to the initial use.  
Please connect the supplied power adapter to the DC input jack to charge the battery.
- Remove the LCD protection film before using the unit.
- Be careful not to allow foreign material to adhere to the camera lens.

## Opening the Jupiter



1. Place the folded Jupiter on a stable surface such as a table.
2. Press on the base plate with one hand, while grasping the top of the body frame with the other.
3. Lift the arm until it locks in place.
4. Put both hands on the left and right sides of the LCD monitor.
5. Pull the LCD monitor towards you.
6. Push the LCD monitor up using both hands and adjust it to a suitable position.

### Closing the Jupiter



1. Put both hands on the left and right sides of the LCD monitor.
2. To close the Jupiter, push down the LCD monitor using both hands.
3. Push the LCD monitor toward the main body frame.
4. Place both hands on top of the body frame.
5. Lower the top of the body frame until it is closed.

## Camera Position



You can switch between modes by rotating/adjusting the camera pointer (camera positioning wheel).

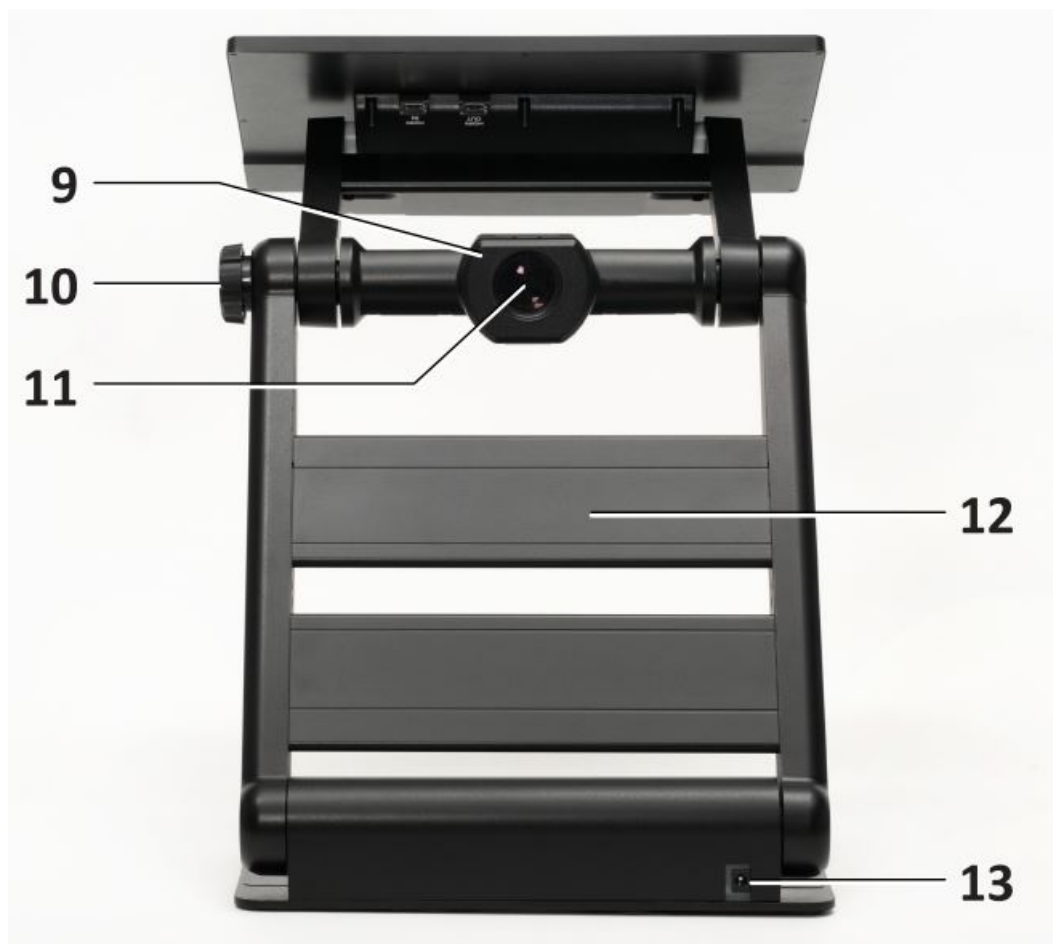
1. Reading mode (downward)
2. Distance-view mode (front-facing)
3. Self-view mode (mirror mode)

## Configuration

### Hardware Description



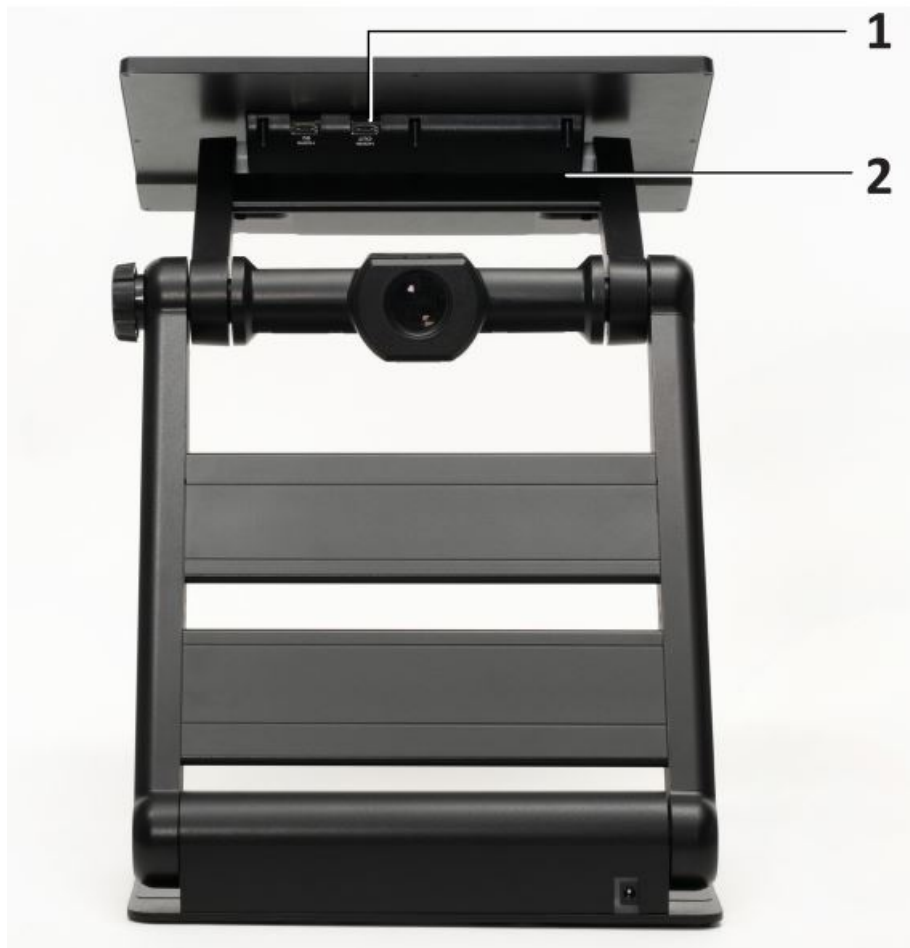
1. LCD screen
2. Image optimizer wheel (adjusting brightness)
3. Power on/off button
4. Snapshot button
5. Zoom wheel
6. Color mode button
7. Natural color button
8. Super function key (A Jog Key)



- 9. Camera
- 10. Camera location adjuster wheel
- 11. Close up lens
- 12. LED lights
- 13. DC jack

#### External Connections





1. HDMI OUT
2. Test PORT (USB C type connector)



**1. Power on/off button**

- Power on/off: Press the button for 2 seconds.

**2. Image optimizer wheel**

- Provides two different functions, depending on the setting:
  - Natural color mode: Turn the knob to adjust brightness level of the display. (5 steps)
  - Color mode: Turn the knob to adjust the image quality optimizing settings. Press it to return to the default setting.
- Auto Focus on/off: Press and hold the button for 2 seconds.

**3. Snap shot button**

Briefly press the button and the image on the screen will freeze.

- You can then zoom in/out on the still image and adjust color and screen brightness.
- Press the button again to return to live mode.

- Super Function Key (7) scrolls the frozen image.

#### 4. **Zoom wheel**

To adjust the magnification, turn the knob.

- Magnification ratio :
  - Live image mode: 1.8 x ~ 30 x
  - Snap shot mode: ~ 150 x
  - Adjustable magnification: 1.2 x ~ 250 x
- Press and hold the button to use the menu mode.

#### 5. **Color mode button**

The image on the screen can be viewed in eight (8) color modes



- Natural color mode
- White text on black background
- Black text on white background
- Yellow text on black background
- Black text on yellow background
- Green text on black background
- Blue text on yellow background
- Yellow text on blue background

Up to 35 color modes can be set using the menu.

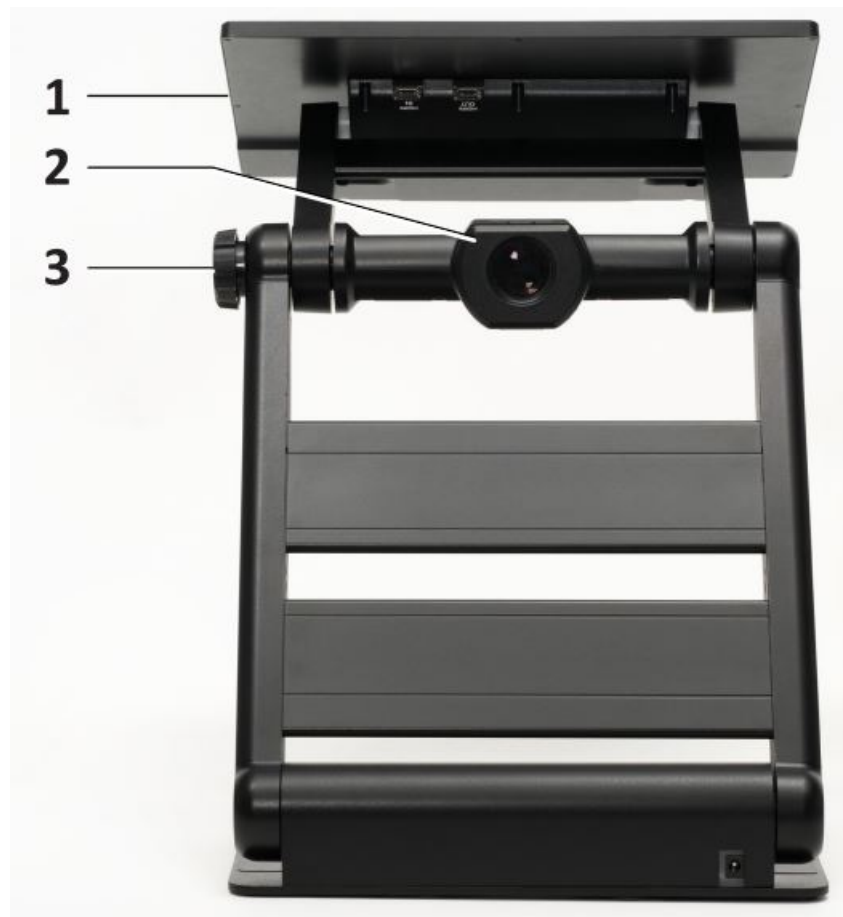
#### 6. **Natural color button**

- Press the button to view pictures or documents in natural color.
- Press and hold the button to use the 'Find function'

#### 7. **Super Function Key**

Used for various functions in different modes.

- Scrolling the frozen image.
- Selecting/Using the line/mask functions



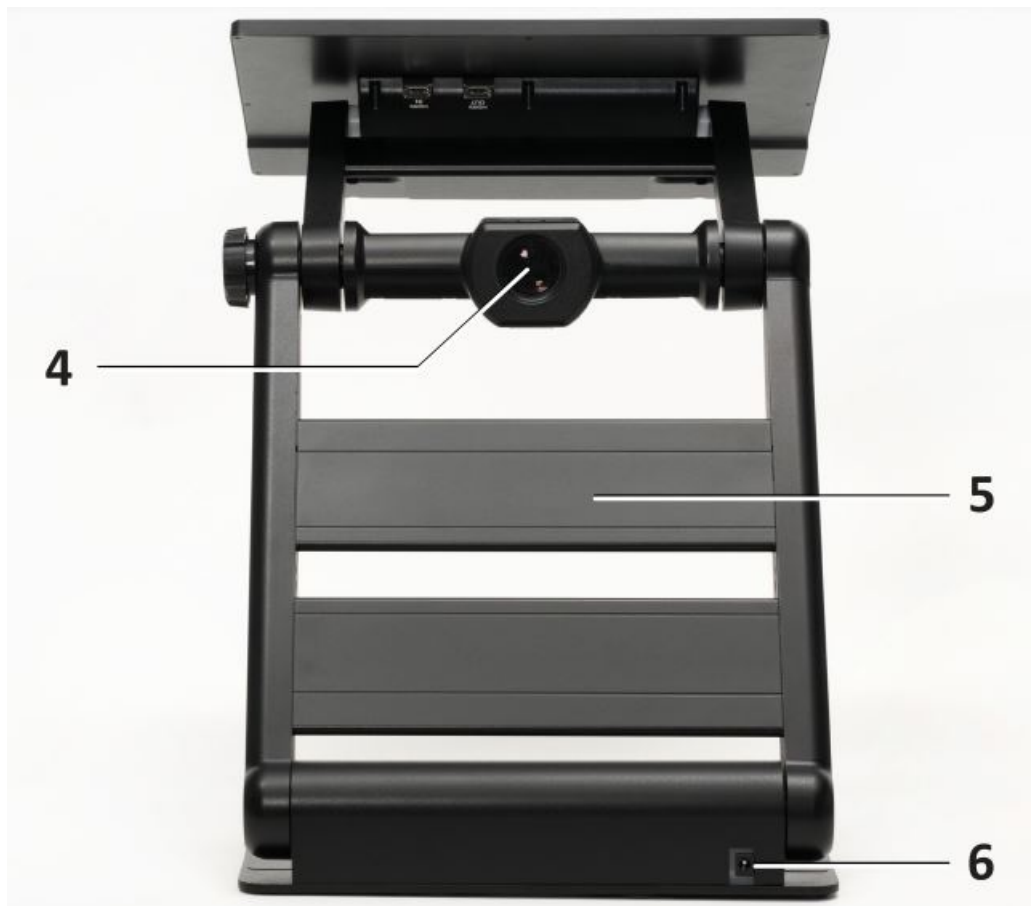
1. **LCD screen**

2. **Camera**

- Be careful not to allow foreign material to adhere to camera lens.

3. **Camera location adjuster wheel**

Adjust the direction of the camera by using the wheel.



#### 4. Conversion lens

Open the conversion lens for the distance view mode.

#### 5. LED lights

#### 6. DC jack

You can insert the power adapter here to charge the battery.

### Hot Keys & Features

#### 1. Line & Mask

Press and hold the **Super Function Key (7)** to activate Line & Mask.

When Line & Mask is active, the direction key and wheel of the **Super Function Key (7)** works as follows.

- Left & Right < >: Choose the function.

##### 1 ) Horizontal line



##### 2 ) Vertical line



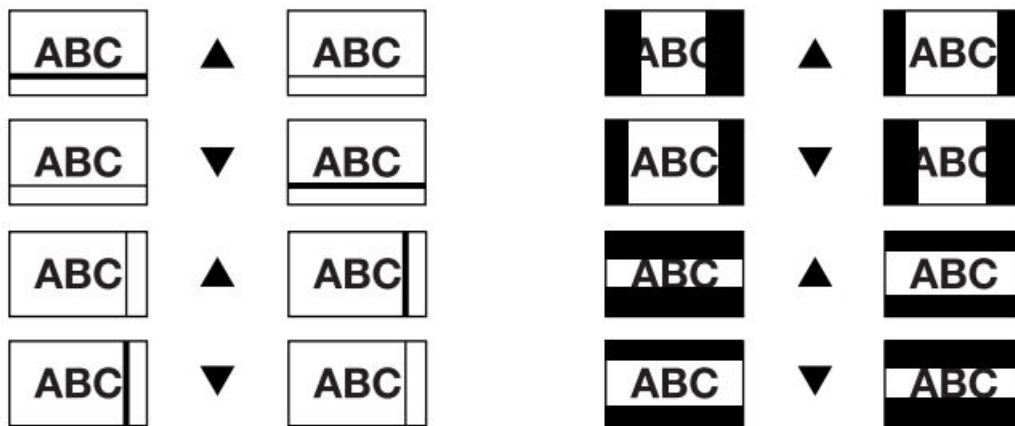
### 3 ) Horizontal mask




### 4 ) Vertical mask

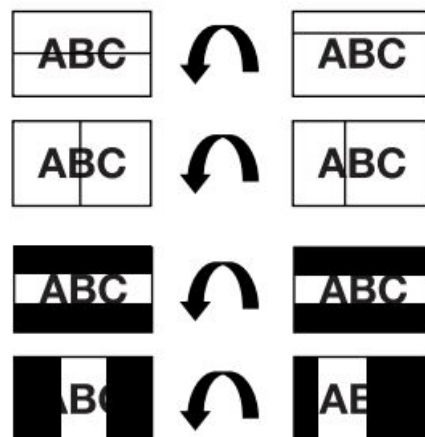


- Up & Down ↓ ↑ : Increase or decrease the thickness of a line and the distance between masks.

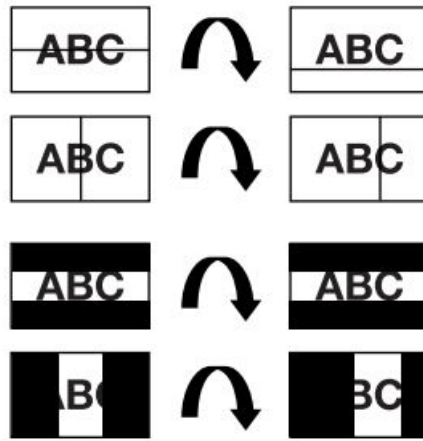


- Wheel  : Move the position of the Line & Masks.

#### 1) Counterclockwise



#### 2) Clockwise



## 2. Battery status

- The status of the remaining battery power is not normally displayed.
- The battery charging icon when the power adapter is connected will be displayed.
- You can turn on or off the status of the remaining battery power by pressing the **Snap shot button (3)** for 3 seconds or more.

## 3. Power saving mode

If you leave the unit turned on and unused for 10 minutes, it automatically goes into the Power saving mode. If the unit is left for 3 minutes after entering the Power saving mode, power is automatically switched off.

## 4. Color mode selection

Press and hold the **color mode button (5)** and rotate the **Zoom wheel (4)** to cycle through the available color modes.

- **Color mode button ( 5 ) + Zoom wheel ( 4, Right )** : Next color mode

## 5. Self-view mode & Distance-view mode

You can change the mode by moving the camera with the **Camera location adjuster wheel (13)**.

- Self-view mode (Mirror mode)  
Use when the direction of the camera lens is facing the user.
  - The camera switches automatically into self-view mode.
  - The magnification range will be minimized.
  - The camera switches automatically to natural color mode.
- Distance-view mode  
Use when viewing a distant object, such as a whiteboard.
  - The camera switches automatically into distance-view mode.
  - The magnification ratio will be minimized.
  - The camera switches automatically to natural color mode.
  - Open the conversion lens when using the distance-view mode.

## 6. Natural color & Find Function

- Press the **Natural color button (6)** to view pictures or documents in natural color.
- Press and hold the **Natural color button (6)** to zoom out and display the Find box on the screen to help you locate the object under the camera. Take your finger off the button to zoom in to the previous magnification level

## 7. MENU

Press and hold the center of the **Zoom wheel (4)** to enter the menu mode. In Menu mode, you can change the settings of the following functions.

- Color mode : Add or remove your preferred color modes (max 35 modes)
  - You can also personalize your own color setting.
- Power saving mode
  - Adjust the time before entering power saving mode.
  - Default setting time: 10 minutes
- Adjusting the magnification range
  - You can set the magnification range.
  - Default magnification range: 1.8 x ~ 30 x
- Adjusting LED brightness
  - You can adjust the LED brightness.
- Reset
  - Resets all settings back to default values.

## Technical Specifications

<b>LCD Screen Size</b>	13 inches (338mm), 16:9 wide screen
<b>LCD Resolution</b>	1920 x 1080 (Full HD)
<b>LCD Rotation angle</b>	180 degree
<b>Camera Specifications</b>	1920 x 1080, 60 fps Auto Focus

<b>Dimensions</b>	Approx. 13 inches (320mm) x 15 inches (373mm) x 17 inches (420mm) (in operation) Approx. 13 inches (320mm) x 15 inches (373mm) x 2 inches (61mm) (folded)
<b>Light Weight</b>	3.54 kg / 7.8 lbs. (without battery) 3.91 kg / 8.62 lbs. (with battery)
<b>Color mode</b>	Default 8 (Extended 35)
<b>Magnification range</b>	1.8 x ~ 150 x (Max)
<b>Camera mode</b>	Reading mode, Distance-view mode , Self-view mode

<b>Battery capacity</b>	16.8V, 5200mAh
<b>Battery weight</b>	370 g (0.82 lbs)
<b>Power consumption</b>	14~20W (in operation)
<b>Battery lifetime</b>	5 hours (Max)

<b>Connectivity</b>	HDMI OUT USB C type connector (Test PORT)
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### 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 some instances. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are 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 to a wall 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 modifications to this system can void your authority to operate this equipment.

### Industry Canada (IC) Notice

This Class B digital apparatus complies with Canadian ICES-003.

This unit is an EMC-registered device.



This device bears the CE and FCC, KC approval mark

### Documents / Resources

<p>Jupiter Portable Magnifier™ <b>User Manual</b></p>  <p><small>AMERICAN PRINTING HOUSE FOR THE BLIND</small></p>	<p><a href="#">APH Jupiter Portable Magnifier</a> [pdf] User Manual Jupiter, Portable Magnifier, Jupiter Portable Magnifier, 1-00370-00</p>
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