

# User Manual

## MagniLink One

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## 1 About LVI

LVI Low Vision International AB was founded in 1978 and is one of the world's leading manufacturers of equipment for persons with visual impairments. Development of new products takes place in close cooperation with users and professional staff within the low vision rehabilitation industry. LVI is quality-certified in accordance with ISO 9001 and environmentally-certified in accordance with ISO 14001.

The information in this manual has been carefully checked and is believed to be accurate. However, LVI assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will LVI be liable for direct, indirect, special, exemplary, incidental, or consequential damages resulting from any defect or omission in this manual. In the interest of continued product development, LVI reserves the right to make improvements in this manual and the products it describes at any time, without notice or obligation.

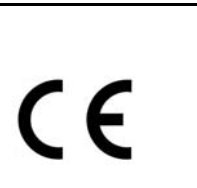
## 2 Introduction to MagniLink One

Thank you for choosing this video magnifier. Our aim is for you to be satisfied with your choice of supplier and reading aid.

MagniLink One is a video magnifier designed for people with visual impairment. The video magnifier offers features including autofocus, several artificial colours and the option of adjusting the brightness. MagniLink One has a height adjustable screen and it is also possible to collapse your MagniLink Zip when the system is not being used or for transportation.



Model	Reading table
ML-ONE-2V	No
ML-ONE-2A	Yes

	<p>The product meets all the requirements for CE marking of medical devices in accordance with Directive 93/94/EEC. Our products comply with MDD 93/94/EEC with additions from Directive 2007/47/EC</p>
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### 3 Safety information

- Only use the power adaptor supplied with the product. Using an incorrect type of power adapter may cause damage to the system.
- Place the power cord in such a way that you can neither trip over it or that crush damages can occur.
- If the product is moved from the cold into a warm room, condensation (moisture) can form inside the unit or on the camera lens. To prevent problems with condensation, the apparatus should be installed in the room at least 30 minutes prior to usage.
- Never operate the product if it has been exposed to water or other liquids. Damaged or wet product can cause electric shocks or fire.
- If the system requires cleaning, pull out all cables and use a slightly damp (not wet) cloth. Use only water or a cleaning agent that is intended for monitors and computers.
- Be careful not to catch your fingers when collapsing the product or when adjusting the position of the screen. Do not place any objects on the reading table when the product is collapsed as they can damage the screen.
- Make no further adjustments, even if the product does not function normally after following the functional descriptions. Pull out the power cable and contact service staff or the product distributor. Only use spare parts that are specified by LVI.
- Always switch off the power when the system is not being used.

If in doubt, contact your supplier.

#### Warning



The product is supplied packed in a plastic bag. To avoid risk of suffocation, keep the bag out of the reach of children and infants.



## 4 Unpacking

The system is supplied in a box with the following contents:

- Reading camera
- Power adaptor
- Carrying case
- User Guide

Check first that the box has no external damage. In the event of damage, contact the delivery company and file a notification of damage.

Open the box, take out the MagniLink One and remove the white packaging. For further information see Installation.

### 4.1 Packaging

The packaging consists of the following packaging material (LVI recommends that the packaging be kept in case you have to return the system or you need to move it):

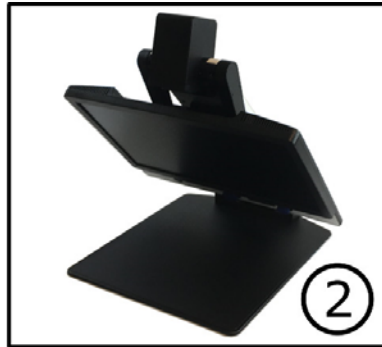
- Packing material (EPE)
- Box (corrugated cardboard)
- Polyethylene (LDPE4)

For sorting and collection of packaging material, please call the packaging collection customer service department for information on the rules that apply in your municipality.

Note that the product and its accessories must be recycled as electronic waste. A worn-out battery is recycled as electronic waste.

## 5 Installation

Open your unit



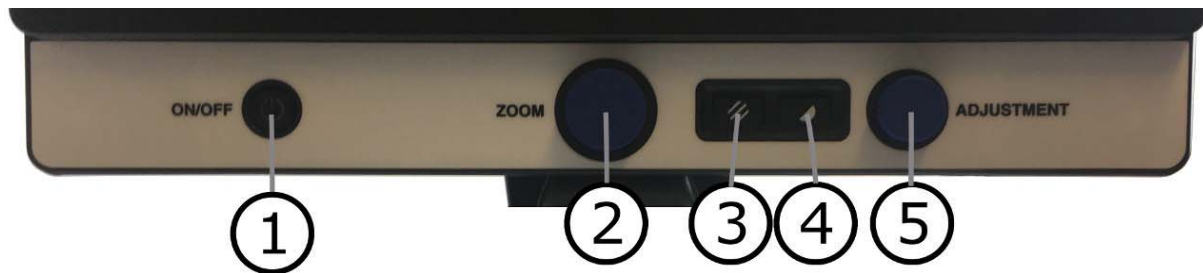
1. Place your unit on the table in front of your seat.
2. Take hold of the unit's arm and turn it upwards until you hear it click into place.
3. Turn the screen up to the desired position.



4. Connect the mains adapter to the rear of the unit and to the wall socket. The unit is now ready to be used.

## 6 Use

### 6.1 Panel



#### 1. Power on/off with LED

Press to start or shut down the system. Press for more than six seconds to do a reset. A green light indicates that the unit is on. A flashing yellow light means that autofocus is switched off. The light flashes green when the system is starting.

#### 2. Magnification control

Used to set the magnification. To reduce the magnification, turn anticlockwise and to increase the magnification, turn clockwise. Press the button once to lock the focus. This can be used when you wish to write by hand. Autofocus is not affected by the pen or your hand. Press the button a second time, to reactivate autofocus.

#### 3. Picture mode

Press the button to switch the picture mode between natural colours and grey scale.

#### 4. High contrast mode with artificial colours

Press the button to switch between the various colour combinations.

#### 5. Function control

In picture mode, this control is used to set the light level. In high contrast mode, it is used to set the contrast level.

## 6.2 Reading table



1. **Side way direction friction adjustment**  
 Set the side way friction by moving this handle. With the brake in the left end position, the reading table is unlocked. To increase friction, push the side way brake to the right (at the far right, the brake clicks into locked mode).
2. **Depth way direction friction adjustment**  
 Set the depth way friction by moving this handle. With the brake in the near end position, the reading table is unlocked. To increase friction, push the depth way brake towards the back. Push the brake in as far as possible to lock the reading table.

## 7 Ergonomics

Your reading camera is now ready to use. It is important that the workplace around your MagniLink is comfortable, and that you sit correctly. This is so that you can use the camera for as long as possible without putting undue strain and stress on your neck and back.

You should bear the following in mind:

- Your chair should be positioned close to the table on which the equipment is located, and you should not sit in the chair for too long. We recommend a good office chair with adjustable height.
- The seat of the chair should be at a height that does not cause your legs to become numb; legs should be at an angle of 90 degrees and you should rest your feet on the floor.
- The reading table should be at a height at which you can rest your lower arm horizontally on it. It is important that the table is neither too high nor too low for you. The ideal solution is if the screen is slightly below eye level and in as straight a line in front of you as possible.
- Shield off daylight. Lights in the ceiling, table lamps and light from windows can cause reflections on the monitor. For this reason, avoid placing lights where they shine directly at the screen or at yourself.
- If you use the device for long periods of time, there is a risk of repeated movements causing you pain in your neck, shoulders and back. Your eyes can also get tired from looking at a screen for too long.

## 8 Troubleshooting

No image is displayed on your MagniLink Zip after you start the system:

- Check that the power is on.
- Check that all connectors are properly connected as explained in the 'Installation' section.

Never disassemble any covers to try to repair the system yourself.

## 9 Technical information

### General properties

Dimensions collapsed	440 x 470 x 120 mm (W x D x H)
Dimensions in use	440 x 470 x 560 mm (W x D x H)
Dimensions of packaging	490 x 560 x 220 mm (W x D x H)
Weight	4.3 kg
Monitor resolution	1600x900
Camera resolution	1280x720
Magnification	1,7x – 45x
Refresh rate	60 Hz
Mains voltage	100-240 V, 50-60 Hz
Focal range	0-60 mm
Contrast	400:1
Lighting	LED
Free working height beneath the camera	280 mm
Power consumption	14-20 W
Relative humidity	<80%
Acceptable temperature ranges	Transport and storage -20°C - +60°C Operation: +5°C – +35°C



**Disposal of old electrical and electronic equipment (applies for EU countries and all other European countries that have specific collection systems)**

If the product or its packaging has this symbol on it, it is not to be handled as regular domestic waste. It should instead be deposited at a suitable collection centre for the recycling of electrical and electronic equipment. By ensuring that this product is properly taken care of, you are helping to prevent the negative impact on health and the environment that might otherwise result from inappropriate disposal of this product. Recycling helps in the management of our natural resources. For more detailed information regarding the recycling of this product, you can contact your municipality, your waste management company or the store where you purchased the product.

## 10 Declaration of Conformity

### DECLARATION OF CONFORMITY

according to the Medical Devices Directive, 93/42/EEC with amendments from directive 2007/47/EC

Type of equipment: *Reading Aid*  
 Brand name or trademark: *MagniLink*  
 Type designation: **ML-ONE**  
 Product class: *Class 1.*  
 Manufacturer: *LVI Low Vision International AB*  
 Address: *Verkstadsgatan 5  
S-352 46 Växjö  
Sweden*  
 Web: <http://www.lvi.se>  
 Phone: *+46 470 - 72 77 00*  
 Fax: *+46 470 - 72 77 25*

As the manufacturer, we declare under our sole responsibility that:

- the product complies with the provisions of the Council Directive 93/42/EEC with amendments from directive 2007/47/EC.
- we will keep the technical documentation described in section 3 of Annex VII available to the national authorities for a period ending at least five years after the last product has been manufactured.
- the device meets the Essential Requirements of Annex 1 which applies to it, taking into account the intended purpose of the device.
- to follow the requirements regarding products placed on the market as described in section 4 of Annex VII.

Manufacturer

Manufacturer's authorized representative

Date

Signature

Position

24-01-2018



Managing Director

Clarification

Erik Bondemark



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