

Care & usage guide

Optima Dart low vision hand magnifier with LED illumination



Thank you for purchasing this Optima Dart magnifier. It is a quality product which will last for many years. We are confident that you have made the right choice and we hope it will serve you well in future and that you enjoy using it.

Please read this guide carefully before use.

Contents

Product specifications	2
Optima Dart Magnifier Power Range	3
Cleaning & care	4
Cleaning your magnifier	4
Battery care	5
How to use your magnifier	6
Adjusting the brightness	6
Fitting and replacing the batteries	7
Replacing the magnifier lens	8
Warranty	10

Product specifications

- **Magnification (Times and Dioptre):** See table right.
- **Illumination:** SMD LED
- **Lens Type:** Aspheric
- **Lens Material:** Optical grade acrylic
- **Power Source:** 2x AA batteries (not included). Alkaline batteries recommended.
- **Handle:** Ergonomic designed, strong brake-resistant plastic that interchanges with the all the Dart lens head powers; incorporates the three stage ON/DIM/OFF switch and an easy to open battery compartment.
- **Lens size:** See table right.
- **Accessories:** Protective lens bag, Care & Usage Guide, and lanyard (optional extra).
- Replacement and interchangeable lens heads (optional).
- **Warranty:** Three years subject to fair wear and tear or improper use or abuse (refer to page 10).

Optima Dart Magnifier Power Range

Product Code	Times	Dioptres	Lens Size
170601	2.5X	6D	Ø 100 mm
170801	3X	8D	50x100 mm
171201	4X	12D	Ø 72 mm
171601	5X	16D	Ø 60 mm
172001	6X	20D	Ø 57 mm
172401	7X	24D	Ø 51 mm
172801	8X	28D	Ø 35 mm
173601	10X	36D	Ø 35 mm
174401	12X	44D	Ø 35 mm
175201	14X	52D	Ø 35 mm

Included:



x1 handle



x1 lens head
(in your custom power range)



x1 protective lens bag

Cleaning & care

Cleaning your magnifier

To clean your magnifier handle, lens holder or lens, use a damp cloth with mild dish washing liquid then dry with a soft, non-abrasive cloth. Do not get the lamp or battery area wet. Dry everything carefully with a soft dry cloth to avoid scratching the lens.



Never use alcohol, chemical-based or abrasive cleaning materials on any part of the magnifier.

For protection and safe keeping, always store the magnifier in its microfibre pouch when not in use.

This pouch can be used to wipe the lens when it is inside the bag. The bag should be washed with mild dish washing liquid from time-to-time; rinse thoroughly in water, and hang to dry.



Never leave the magnifier in direct sunlight such as on a window ledge or table. It is possible that a fire could start as a result of the sun shining through the lens.



Never look at the sun through the magnifying lens. This will severely and permanently damage your eyes.



Do not look directly at the magnifier's LED light. It is very bright and could cause temporary discomfort and blindness.

Battery care

Always remove batteries completely if you do not intend to use the magnifier for any length of time i.e. more than 5–6 weeks, as they may corrode and damage the electrical components.

Old batteries should be disposed of in a responsible manner.



Do not get the battery compartment wet as this could lead to battery and component damage and failure. In such a case remove the batteries and place them and the magnifier in a warm place (out of the sun) until dry.

How to use your magnifier

Adjusting the brightness

This magnifier has **two levels of brightness**.

To switch the LED ON, press the purple button once. This will switch the LED ON which automatically defaults to its “Brightest” setting. Press the button down again to reduce the brightness.



To switch the LED OFF, press the button down a third time. Always check that you have switched the LED off when you have finished using it. Depending on the battery type and light intensity, batteries should last a long time.

The LED lamp will last for a minimum of 20,000 hours i.e. at five hours per day for 10+ years. The batteries will need replacing from time-to-time.

Fitting and replacing the batteries

The magnifier uses 2x AA batteries. The long-life, alkaline batteries work best with LED lamps.

1. To open the battery compartment squeeze the two purple side buttons simultaneously on the handle and pull out the battery tray until it stops.



2. Bend it back slightly and insert or remove the batteries. Ensure the polarities are correct – refer to symbols on the bottom of the pull-out battery tray.



3. Squeeze the side buttons again and slide the battery tray back inside the handle and release. An audible click will confirm when correctly returned.



Replacing the magnifier lens

Replacement lens heads are available only from your optical provider.

The Optima Dart LV magnifier has a unique feature that allows the lens head to be removed and replaced with another power. All the magnifier heads are interchangeable*.

- 1. To remove the magnifier lens head,** hold the handle and lens rim firmly in both hands, and twist anti-clockwise (A). It may be tight as it is designed to be. When fully twisted it will easily separate from its handle (B).

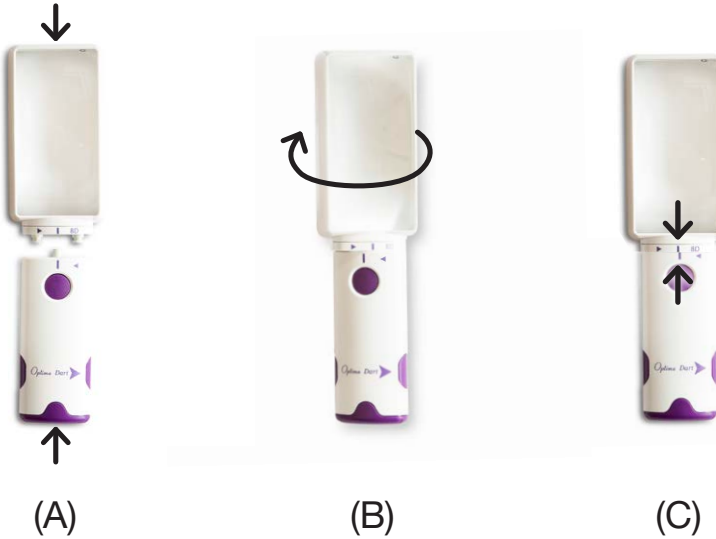


(A)



(B)

2. To refit a lens head onto the handle, place the three posts of the handle (A) and twist clockwise (B) until the handle is aligned with the lens head markings (C).



The “A” lower arrow also indicates where the loop hole can be found to thread the lanyard (optional extra).

* The Optima Dart Range of magnifiers are protected designs.
UK & EU Multiple IP Design Registration Nos. 008324610-0001/0003.

Retailer:

Date of purchase: _____

Your consultant is: _____

Warranty

This magnifier is guaranteed for any manufacturing defects either in materials or workmanship for three years from the date of purchase except for normal wear and tear, misuse or abuse whether accidental or otherwise and/or damage caused through battery corrosion – such events will not be covered under this warranty.

If the magnifier is defective, please return it to the place of purchase with this Care & Usage Guide for replacement or repair.

(Ref: DCUG_01/21)