

# FUJIFILM

## **FUJINON-MARINER** **WATERPROOF BINOCULARS**

**7x50WP-XL**  
**7x50WPC-XL**  
(with Built-in Compass)

### **Operation Manual**

- Specifications
- Instructions
- Care
- Accessories

**FUJIFILM**

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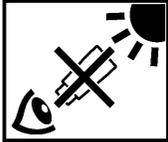
URL: <http://www.fujifilm.com/products/binoculars/>

**FUJIFILM Corporation**

## ■ Precautions and Warnings

-  **DANGER** : Indicates a situation which, if erroneously handled neglecting this marking, may result in death or serious injury.
-  **WARNING** : Indicates a situation which, if erroneously handled neglecting this marking, may result in injury or property damage only.

### **DANGER**



**Never look at the sun through the binoculars.  
Loss of vision may result.**

### **WARNING**

- Do not put this product on an unstable place. Injury may result if it topples or drops.
- Do not use this product while walking. A collision, fall or injury may result.
- Do not swing the binoculars by the neckstrap. If it hits somebody, injury may result.
- When adjusting the interpupillary distance of this product, note the possibility of pinching your finger and getting injured. Take care when a young child uses it.
- Do not leave this product in a place exposed to direct sunlight. A fire may result.
- USING the rubber eyecups for a long time may cause inflammation of the skin if The rubber has deteriorated. If a suspicious condition appears, consult a doctor.
- Do not leave the polyethylene bag (for packing) at a place accessible by young children. They may get suffocated if they put it over their mouth.
- Do not wind a neckstrap around a neck. As a result, it may cause the suffocation.
- Do not use these binoculars while driving a vehicle or operating machinery.
- Ensure that children do not swallow caps, small parts, etc. In such case, consult a physician immediately.
- Never disassemble the product. If you do disassemble it, a charge will be made for repairs even if the time is within the warranty period. If the product is broken, contact your dealer.
- Do not throw the batteries in a fire, or form a short circuit with them, or heat disassemble them. They may catch fire or explode, and injury may result.

## ■ Storage & Care

- (1) If the binoculars have gotten wet during outdoor usage, dry them thoroughly with a soft absorbent cloth before storing them.
- (2) Dust and dirt on the lens faces can be removed by gentle sweeping with a gauze or artist's brush.
- (3) Fingerprints can be removed from the lens faces by wiping gently with gauze moistened in alcohol or lens cleaning fluid.  
※Attention : Lens cleaning fluid may dissolve plastics.

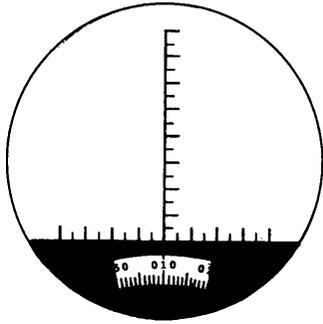
## ■ Preventive measures safety precautions

- (1) Sure care  
These binoculars are waterproof in construction. However, if water or dirt (dust, sand or other) is left on the binoculars, they may be damaged in function and become unusable. Please refer to a "Storage and Care", and care for it surely.
- (2) Store them in an appropriate place  
When you do not use the binoculars for a long time, store them in a dry cool place.
- (3) Rapid temperature changes are detrimental  
Avoid rapid temperature changes. If the temperature changes rapidly, the lens or prism may become fogged. Take care in particular when you enter a warm room from the cold outdoors.
- (4) When your binoculars do not function properly  
Never attempt to repair it yourself or have it repaired by anyone other than fujifilm. From the following website, please select your neighboring subsidiary, and please contact us.

**URL: <http://www.fujifilm.com/worldwide/>**

• **How to use the reticle**

- (1) The vertical scale (reticle) visible through the left half of the binocular, above the compass display, allows you to calculate to an object if you know its height, or to calculate the height of an object if you its distance from you.



- (2) Each mark on the vertical scale has a value of 5 MIL (1 MIL is equivalent to an angle that can determine an object one meter in height at a distance of 1000 meters). Therefore, if a navigation chart gives the height of an object, by sighting on it and counting the number of MILs, you can determine how far away it is. Here are the two formulas:

To measure distance when the height si known:

$$\frac{\text{Object height (m)}}{\text{Scale Reading}} \times 1000 \text{ (m)} = \text{Distance in meters}$$

To mesure object height when the distance is kown:

$$\frac{\text{Distance (m)} \times \text{Scale Reading}}{1000} \times 1000 \text{ (m)} = \text{Object height in meters}$$

■ **Introduction**

Thank you for buying this pair of FUJINON binoculars. For proper use of the binoculars, read this document before use. After reading this document, always keep it at hand for quick reference.

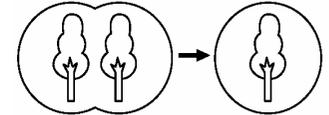
■ **Specifications**

Item	Model	7x50WP-XL	7x50WPC-XL (With compass)
Magnification		7x	7x
Objective diameter (mm)		50	50
Eye relief (mm)		18	18
Angular field of view (degree)		7.5	7.0
Field of veiw at 1000m (m)		131.1	122.3
Exit pupil diameter (mm)		7.1	7.1
Relative brightness		50.4	50.4
Interpupillary distance (mm)		56 – 72	56 – 72
Maximum width (mm)		201	201
Minimum width (mm)		183	183
Length (mm)		180	180
Weight (oz. / g)		31 / 885	32 / 910

■ **How to use the binocular**

- (1) Adjusting the interpupillary distance

- Look through the eyepieces with your eyes lightly touching the eyecups.
- The interpupillary distance can be adjusted to your individual distance between the eyes so that you can use the binoculars in the optimal state at any time.



- (2) Adjusting the focus

- In the event that the user has normal eyesight, distant objects are clearly visible when the diopter scale is set to 0.
- Users who are near or farsighted, in either or both eyes, should adjust each eyepiece until each eye sees a sharp, perfectly focused distant image. Most people will find that the vision in each of their eyes is not exactly the same. Individual eyepiece focusing compensates for that.

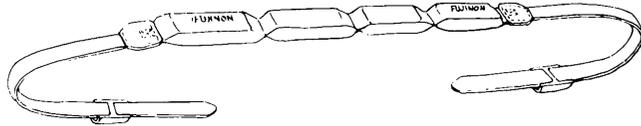
**IMPORTANT**

**After exposure to saltwater or spray, flush the binocular thoroughly with fresh water and wipe dry. Avoid extended exposure to bright sunlight.**

## ■ Neck strap installation

The FUJINON-MARINER comes with a one-piece rubber cap designed to protect both ocular lenses when the binocular is not in use. For maximum convenience, it is designed to be permanently attached to your binocular as an integral part of the neckstrap. To install the cap and strap, please follow these steps:

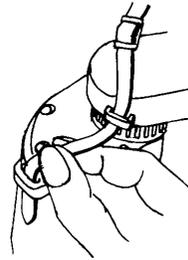
- (1) Remove one buckle and two keepers from the neckstrap and replace them as shown.



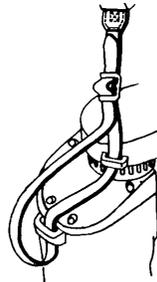
- (2) Place the one-piece ocular cap on the binocular so that the slot on the cap aligns with the slot on the left side of the binocular. Insert one end of the strap through the slot on the ocular cap and pass it through the slot on the binocular.

### \*NOTE

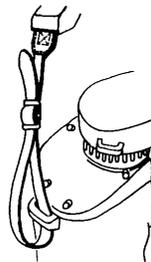
If the strap does not come to a clean pointed end, cut it with a scissors and use a match or lighter to singe off any loose or frayed ends.



- (3) Pass the strap through the keeper and the keeper and the buckle.



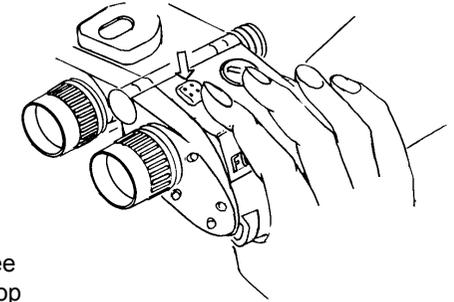
- (4) Repeat the procedure for the other end of the strap on the other side of the binocular, the strap is passed directly through the binocular slot ( the ocular cap is equipped with only one slot (the ocular cap is equipped with only one slot).



## ■ Special Instructions for Compass Model (7x50WPC-XL)

### • How to use the built-in compass light and reticle

- (1) The FUJINON-MARINER compass model comes with built-in LED compass illuminator for use at night and in low light conditions. (Incidentally, the compass is built into the left tube of the binocular but the pushbutton control for the light and the battery are located in the right tube. This was done to minimise the chance that electrical interference might affect compass performance.)



- (2) When the ambient light does not permit you to see the compass heading clearly, press the button atop the right tube. If the light is dim or does not come on, replace the batteries.

### • How to change the batteries

- (1) To change the battery, use a thin coin to remove the battery cover by turning it counter-clockwise.
- (2) Remove the two batteries, the batteries have a (+) on the front and a (-) on the back.
- (3) Be sure to insert the new batteries with (+) signs in the same direction.
- (4) Replace the battery cover by turning it clockwise.
- (5) Battery type : LR43

The following battery is compatible with it.

186, D186A, RW84, V12GA, L1142, GP186, AG12, G12A

