

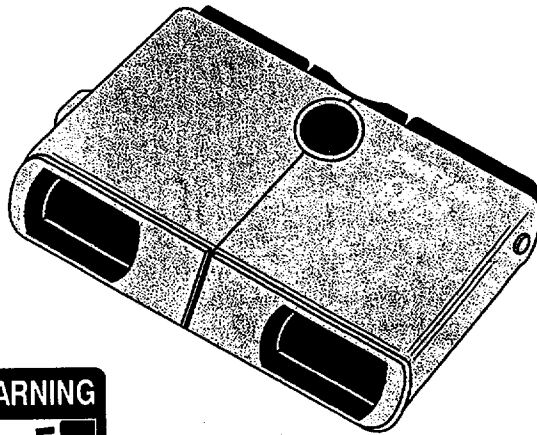
PENTAX®

**BINOCULARS
FERNGLÄSER
JUMELLES
BINOCOLI
PRISMÁTICOS**

雙筒望遠鏡
双眼鏡

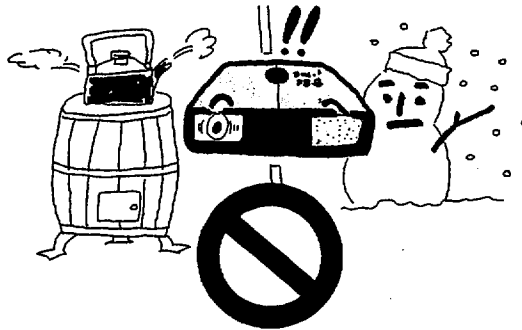
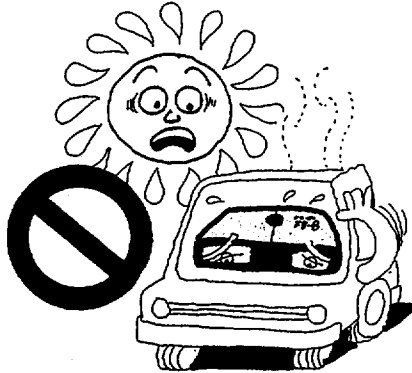
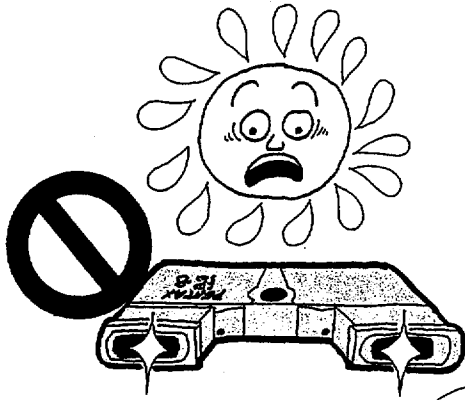
OWNER'S MANUAL
BEDIENUNGSANLEITUNG
MANUEL D'UTILISATION
ISTRUZIONI
MANUAL DE INSTRUCCIONES
用戶備用冊
使用說明書

FB-8
FB-10

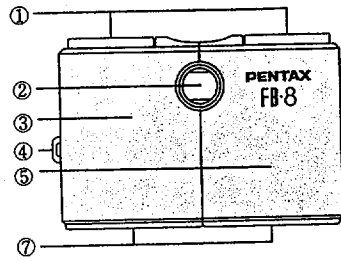


- ⚠ **WARNINGS**
Never attempt to look into the sun with binoculars.
- ⚠ **WARNUNG**
Blicken Sie nie mit einem Fernglas in die Sonne.
- ⚠ **ATTENTION**
N'observez jamais le soleil avec vos jumelles.
- ⚠ **AVVERTENZE**
Non guardate il sole attraverso il binocolo.
- ⚠ **ATENCION**
Nunca intente mirar al sol con prismáticos.
- ⚠ **警告**
切勿使用望遠鏡觀望太陽。
- ⚠ **警告**
双眼鏡で太陽を絶対見ないで下さい。



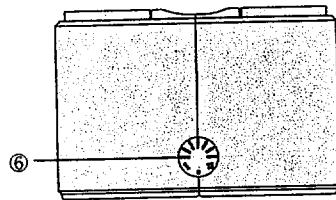


E



Names of Parts

- ① Eyepiece Lenses
- ② Center Focusing Wheel
- ③ Right Cover
- ④ Strap Hook
- ⑤ Left Cover
- ⑥ Diopter Adjusting Ring
- ⑦ Objective Lenses



Features

Pentax 18-series binoculars were designed with advanced technology gained through many years of superior optical design experience and offer clear viewing from edge to edge, thanks to a newly developed roof-prism optical construction. They are unsurpassed by any standards for this kind of binoculars. The body was designed to be compact for carrying and handling convenience. A retractive eyepiece mechanism is utilized so that the eyepiece lens can be drawn into the body, minimize the size of the binoculars when they are not in use. These binoculars are designed with a linked operating lens barrels system. While adjusting interocular distance, the lens barrels move evenly out ward or inward for easy operation. Unlike conventional binoculars with a round viewing field, the viewing field of the binoculars is a 9:16 ratio rectangular field which provides more comfortable and natural viewing.

⚠ Warnings

1. To avoid serious eye damage, NEVER look at the sun using the binoculars. Serious damage to the retina, or total loss of eyesight may occur.
2. Do not leave the binoculars in direct sunlight. Sun rays passing through the binoculars will be intensified, and should they focus on flammable materials, fire may occur.

⚠ Safety precautions

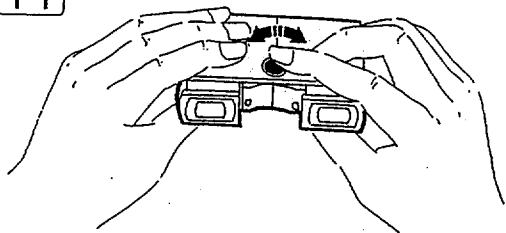
1. Do not use the binoculars while walking as depth perception and peripheral vision are dramatically altered.
2. Caution should be taken when adjusting the binocular barrels to avoid fingers being pinched.
3. Using the binoculars continuously for a long time may cause inflammation of the skin around the eyes where the eyepiece come in contact with the skin. Consult a physician if any symptoms are noticed.
4. Do not swing the binoculars by the neck strap.
5. Be careful with the vinyl bag. Keep the vinyl bag in which the binoculars are packed for delivery, and all other vinyl bags, out of the reach of children and infants, as there is a risk of suffocation.

Handling precautions

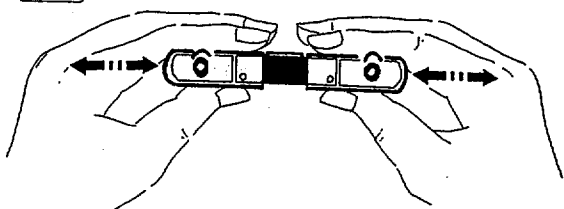
1. Do not apply excessive force when adjusting the focusing wheel, diopter adjusting ring or eyepiece width.
2. Do not drop the binoculars or subject them to strong vibration, impact or pressure.
3. Never expose the binoculars to high temperature (Over 60 degrees centigrade or 140 degrees Fahrenheit). Avoid leaving the binoculars for an extended period of time in a hot humid place such as in a car parked in the sun or near a heater, as this could cause the binoculars to become deformed.
4. Care should be taken when the binoculars are taken between two places with widely varying temperatures difference as condensation or, in extreme cases, icelets may form that could cause rust or other damage. In such circumstances the binoculars should be covered so that the temperature change will be as gradual as possible. After the temperatures have stabilized, the binoculars may be uncovered and used again.
5. Reasonable care should be taken to prevent exposure to dirt, mud, sand, moisture, toxic gas, water, salt water, or any other substance which may penetrate the inside of the binoculars, or the mechanisms. These substances may cause internal damage or render the binoculars inoperable.
6. Keep in mind that the binoculars are not water or weather resistant. If water splashes onto the binoculars, allow them to dry naturally, then wipe away any residual dirt with a clean, soft, dry cloth.
7. Binoculars should be stored in a well-ventilated place to prevent fungus growth. Never store them in a closet with mothballs or in an environment where chemicals are handled.
8. The case is made of leather.
If the case should get wet with water and be left wet, it may stain the clothes.

How to use

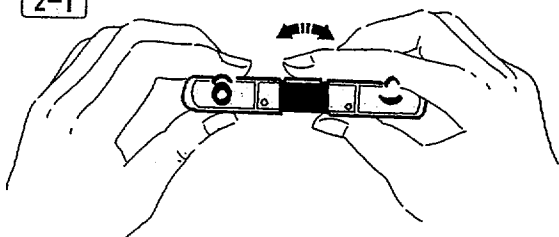
1-1



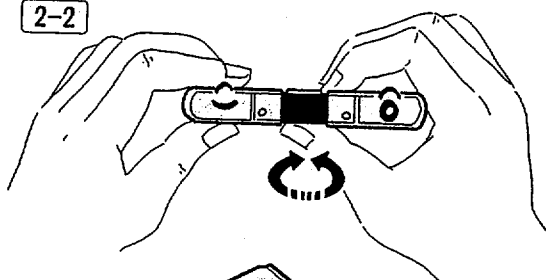
1-2



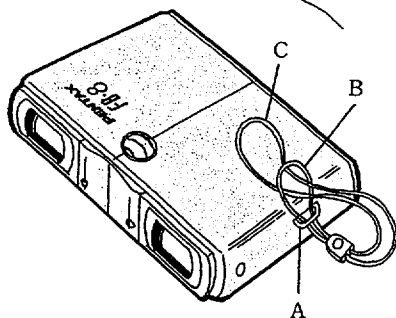
2-1



2-2



3



1. Adjusting the eyepiece width.

Turn the central focusing wheel until it stops. The eyepiece lenses are positioned for operation.(See 1-1)
While looking at a distant object through both the right and left eyepiece lenses, slide the cover outwards or inward to adjust the eyepieces separation so that the eyepieces are comfortably in front of your eyes.(See 1-2)

2. Adjusting the diopter control.

While looking at a distant object through the left eyepiece lens with your left eye, and your right eye closed, turn the central focusing wheel until the object appears sharp.(See 2-1)
Next, while looking at the same object through the right eyepiece lens with your right eye, and your left eye closed, turn the diopter adjusting ring until the object appears sharp.(See 2-2)
Once proper focusing has been set, object at different distances can be viewed by turning only the central focusing wheel.

3. How to attach the strap

To attach the strap to the binoculars, pass the strap ring through the strap hook, then pass the end of the strap through the strap ring and gently pull the strap until it is tight(See 3)

- A strap hook
- B strap ring
- C strap



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E

Specifications

| Models | FB-8 | FB-10 |
|--|---|--|
| Features | | |
| Type | Roof prism, center focusing Linked operating lens barrels Retractive eyepiece | |
| Magnification | 8X | 10X |
| Effective diameter of objective lens | 18mm×8mm | |
| Real field of vision | 7.5° (Diagonal direction) | 6.0° (Diagonal direction) |
| Field of vision at 1000m Field of vision at 1000yards | 131m 393ft. (Diagonal direction) | 105m 315ft. (Diagonal direction) |
| Exit pupil aperture | 1.0mm×2.3mm | 0.8mm×1.8mm |
| Relative brightness | 2.9 | 1.8 |
| Eye relief | 11mm | 10mm |
| Focusing range | About 1.9m to infinity About 6.2 ft to infinity | |
| Eye width (ocular distance) adjustable range | 54mm to 72mm 2.1 in to 2.8 in | |
| Height & width | 58×86mm 2.3 in×3.4 in | 58×86mm 2.3 in×3.4 in |
| Thickness | 17mm, 0.67 in | |
| Weight | 128g, 4.5 oz | |
| Accessories | Case, strap | |



ペンタックスウイジョン株式会社 〒164-0011 東京都中野区中央2丁目37番地3号

- | | | |
|--------|--|------------------|
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| 高松営業所 | 〒760-0028 高松市鍛冶屋町6丁目12番地 池田ビル3F | ☎0878(21)4833(代) |
| 福岡営業所 | 〒812-0013 福岡市博多区博多駅前1丁目1番33号 はかた近代ビル4F | ☎092(472)0635(代) |

※白濁・祝日および土曜日は原則として休みます。
ただし、年末年始を除きペンタックスフォーラムは年中無休です。

PENTAX

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