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› Pentax 20 X 60 PCF WP II Waterproof Full-size Binoculars User Manual

## Pentax 65810

# Pentax 20 X 60 PCF WP II Binoculars

Model: 65810

## INTRODUCTION

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This manual provides essential instructions for the proper setup, operation, and maintenance of your Pentax 20 X 60 PCF WP II Waterproof Full-size Binoculars. Please read this manual thoroughly before using your binoculars to ensure optimal performance and longevity.



Image: Pentax 20 X 60 PCF WP II Waterproof Full-size Binoculars. This image displays the binoculars from a slight angle, showcasing the objective lenses and the main body.

## SAFETY INFORMATION

- **Do not look directly at the sun:** Viewing the sun through binoculars can cause severe and permanent eye damage.
- **Handle with care:** Avoid dropping or subjecting the binoculars to strong impacts, which can damage optical components.
- **Keep out of reach of children:** Small parts could pose a choking hazard.
- **Operating temperature:** Use and store the binoculars within recommended temperature ranges to prevent damage.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- Pentax 20 X 60 PCF WP II Binoculars
- Objective Lens Cap

- Rain Guard Cap (Eyepiece Lens)
- Neck Strap
- Carrying Case
- Instruction Manual (this document)

## SETUP

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### 1. Attaching the Neck Strap

Thread the ends of the neck strap through the strap lugs on the sides of the binocular body. Ensure the strap is securely fastened before use to prevent accidental drops.

### 2. Adjusting Eyecups

The Pentax 20 X 60 PCF WP II features twist-up eyecups for comfortable viewing, especially for users wearing eyeglasses. Rotate the eyecups counter-clockwise to extend them for viewing without eyeglasses, and clockwise to retract them for viewing with eyeglasses. Adjust until you achieve a full field of view without vignetting.

### 3. Adjusting Interpupillary Distance

Hold the binoculars up to your eyes and look through them. Adjust the hinge between the two barrels by moving them closer together or further apart until you see a single, circular field of view. This ensures proper alignment with your eyes.

### 4. Focusing

1. Close your right eye and look through the left objective lens. Rotate the central focus wheel until the image is sharp and clear.
2. Close your left eye and look through the right objective lens. Rotate the diopter adjustment ring (usually on the right eyepiece) until the image is sharp and clear.
3. With both eyes open, use only the central focus wheel to adjust focus for different distances. The diopter setting should remain constant for your eyes.

## OPERATING

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### Viewing Techniques

Due to the 20x magnification, holding the binoculars steady can be challenging. For extended viewing or to achieve maximum clarity, consider using a tripod. The Pentax 20 X 60 PCF WP II is equipped with a tripod mount for this purpose. Attach a compatible binocular tripod adapter (sold separately) to the central axis and then mount it onto a standard photographic tripod.

### Waterproof Feature

These binoculars are waterproof and nitrogen-filled (JIS class 6), designed to withstand various weather conditions. This means they are protected against water immersion and internal fogging. While waterproof, avoid unnecessary exposure to extreme conditions or prolonged submersion.

## MAINTENANCE

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### Cleaning Lenses

- Gently brush away any dust or loose debris from the lens surfaces using a soft lens brush or compressed air.
- If further cleaning is needed, apply a small amount of lens cleaning fluid to a clean microfiber lens cloth. Wipe the lens surfaces in a circular motion, starting from the center and moving outwards.
- Do not use abrasive cloths, paper towels, or household cleaners, as these can scratch or damage the lens coatings.

## Storage

When not in use, store your binoculars in their protective case in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure lens caps are in place to protect the optics from dust and scratches.

## TROUBLESHOOTING

- **Blurry Image:**
  - Ensure both the central focus wheel and the diopter adjustment are correctly set for your eyes and the viewing distance.
  - Check if lenses are clean and free from smudges or condensation.
- **Double Image or Eyestrain:**
  - Re-adjust the interpupillary distance until you see a single, merged image.
  - Ensure eyecups are set correctly for your vision (extended for non-eyeglass wearers, retracted for eyeglass wearers).
- **Difficulty Holding Steady:**
  - High magnification (20x) makes hand-holding difficult. Consider using a tripod with a compatible adapter for stability.
  - Rest your elbows on a stable surface if a tripod is not available.

## SPECIFICATIONS

<b>Brand</b>	Pentax
<b>Model Name</b>	65810
<b>Magnification</b>	20x
<b>Objective Lens Diameter</b>	60 mm
<b>Prism Type</b>	Porro Prism
<b>Eye Relief</b>	21 mm
<b>Exit Pupil Diameter</b>	3 mm
<b>Field of View</b>	114 feet (at 1000 yards)
<b>Apparent Angle of View</b>	3.7 degrees
<b>Focus Type</b>	Manual Focus
<b>Coating</b>	Multi-Coated

<b>Water Resistance Level</b>	Waterproof (JIS class 6)
<b>Enclosure Material</b>	Aluminum
<b>Mount Type</b>	Tripod Mount
<b>Item Weight</b>	1.33 Kilograms (approx. 2.93 lbs)
<b>Item Dimensions (L x W)</b>	10.5" x 9.5"

## WARRANTY AND SUPPORT

For information regarding warranty coverage, service, or technical support, please refer to the warranty card included with your product or visit the official Pentax website. Keep your purchase receipt as proof of purchase for warranty claims.

**Online Resources:** For additional support and product information, visit the [Pentax Store on Amazon](#).