



## Knight ED Series Extra Low Dispersion Binoculars



Congratulations on the purchase of your new SNYPEX Knight ED (extra low dispersion) binocular, designed to deliver optimal performance for maximum viewing enjoyment. Regardless of your outdoor activities, bird watching, spectator sports, or sightseeing, you will appreciate the superior optics and durable construction that make SNYPEX binoculars an excellent investment.

### ITEMS SUPPLIED

- a Binocular
- b Eyepiece Lens Cap
- c Objective Lens Caps
- d Soft Case With Carrying Strap
- e Neck Strap
- f Soft Cleaning Cloth

### INSTRUCTIONS FOR USE

Your SNYPEX binocular is a precision instrument designed to provide many years of unparalleled viewing. This booklet will help you achieve optimal performance by explaining how you can adjust the binocular to your eyes, and how to care for this instrument. Read the instructions carefully before using your binocular.

### HOW TO ADJUST DISTANCE BETWEEN YOUR EYES

Distance between the eyes varies from person to person. To achieve perfect alignment of lens to eye, follow these simple steps:

- a Hold the binocular up to your eyes in the normal manner
- b Look through the binocular with both eyes open
- c Move the two barrels (halves) up and down until you see a simple image

### DIOPTRER ADJUSTMENT

This is located on the right barrel, between the eyecup and the barrel, and is used to correctly set up and focus the binoculars for your particular eyesight. It only really needs to be done once when you first use the binoculars, unless the setting accidentally moves or you share your binoculars with someone else who has a different setting from yours.

### CENTER FOCUS

1. Set the "diopter setting" to zero and view a distant object.
2. Keep both eyes open at all times.
3. Using a lens cover or your hand, cover the objective (front) lens of the same side of the binocular that has the "diopter setting." This is usually the right side.
4. Using the Center Focus Lever, focus on a distant object with fine detail (a wall, tree branches, etc.) until it appears as sharp as possible.
5. Uncover the objective lens on the diopter side; cover the other objective lens, and then view the same object.
6. Using the "diopter setting" adjustment ring, focus on the same being viewed. Caution should be used as overturning or forcing the diopter eyepiece can cause damage or cause the eyepiece to break away from the chassis.
7. Your binocular should be adjusted for your eyes. Focus at any far or near distance can now be attained by turning the center focus wheel.

### USING / ADJUSTING THE EYEPIECE

SNYPEX Optic Binoculars feature long eye relief with innovative multi-position retractable eyepieces to offer comfortable viewing for all users, whether you wear eyeglasses or not.

If you wear eyeglasses or sunglasses, make sure the retractable eyepieces are left twisted inward toward the binocular body. If the eyepieces are twisted out, it will appear as though you are looking through a tunnel.

If you do NOT wear eyeglasses or sunglasses, twist the retractable eyepieces to the desired position in order to see the full field of view. If you do NOT have the eyepieces positioned correctly, you will see black "crescents" in your field of view, and do NOT turn them beyond the factory set stop. Forcing this point will damage the eyepiece optics and disable the binocular's functioning. Non-eyeglass wearers will just use the eyecups in the fully extended position.

### TRIPOD ADAPTER FITTING

SNYPEX Knight ED Binoculars feature a threaded socket for a tripod attachment. This is located at the base of the binoculars' hinge. Insert a binoculars tripod adapter and attach your tripod screw to the base of the adapter.

### WATERPROOF / FOGPROOF / DUSTPROOF

Your SNYPEX Knight ED Binoculars are designed and built utilizing the latest waterproof, fogproof, and dustproof technology. SNYPEX waterproof models are O-ring sealed for complete protection. Fogproof protection is achieved from dry nitrogen purging to remove all internal moisture.

### INSTRUCTIONS FOR CARE

Your SNYPEX binocular will provide years of trouble-free service if it receives the normal care you would give any fine optical instrument. Non-waterproof models should not be exposed to excessive moisture.

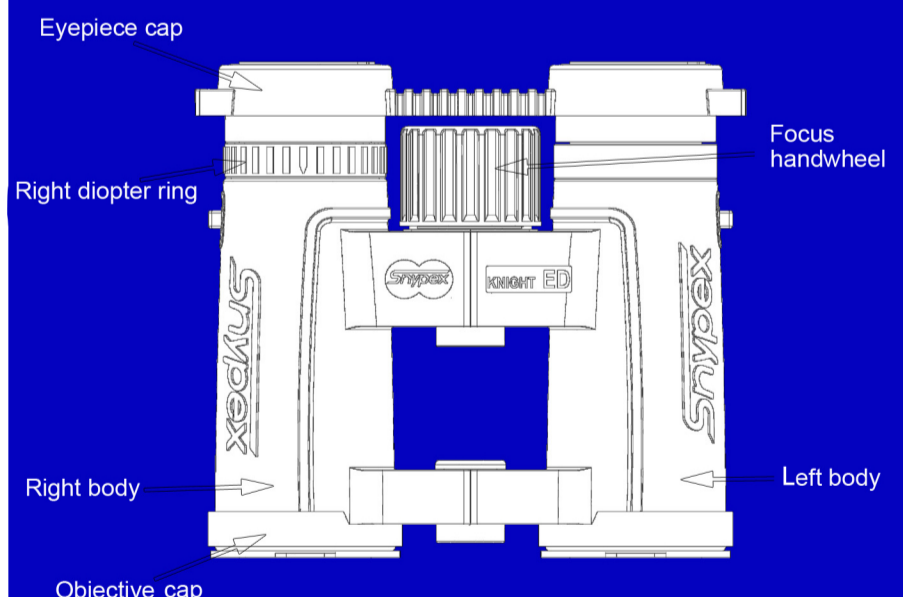
1. Store in a cool, dry place.
2. Avoid any extreme shaking or dropping of your binocular because this may damage the internal optics and prisms.

### TO CLEAN YOUR BINOCULAR, FOLLOW THESE STEPS:

1. Before attempting to clean any of the lenses, carefully remove with a soft lens brush or "canned air" all grit, sand, dirt, dust, or other substances which may scratch the surfaces of the optics. Then use soft lens cleaning tissues, a lint-free cotton cloth, or a clean cotton swab.
2. For materials that remain on the lenses, use a lens cleaning solution (i.e. a commercial optical lens cleaner or household window cleaner) to remove grease, etc. Dispense the solution onto a cloth or swab and then apply light pressure to remove the foreign substance with soft circular motions of the cloth or swab.  
Note: excessive pressure used when cleaning dirty lenses (i.e. rubbing gritty dirt into the lens surfaces) may damage coatings. Use a light touch.
3. Once foreign substances have been removed from the lens surfaces, breathe onto the lenses to apply vapor. Before the moisture evaporates, gently polish the lens surfaces with a clean cotton cloth or lens cleaning cloth.

### WARNING

When using the SNYPEX binocular, never point it directly at the sun. The heat generated by the focused rays of the sun may cause serious damage to your eyes and to the optical elements of the binocular.



### SPECIFICATIONS: SNYPEX KNIGHT ED SERIES

| ITEM NO.                    | 9850-ED      | 9050-ED      | 9842-ED      | 9042-ED      | 9832-ED       | 9032-ED       |
|-----------------------------|--------------|--------------|--------------|--------------|---------------|---------------|
| Model:                      | 8X50ED       | 10X50ED      | 8X42ED       | 10X42ED      | 8X32ED        | 10X32ED       |
| Barrel:                     | Mg-Al        | Mg-Al        | Mg-Al        | Mg-Al        | Steel-Plastic | Steel-Plastic |
| Magnification:              | 8            | 10           | 8            | 10           | 8             | 10            |
| Objective lens diameter: mm | 50           | 50           | 42           | 42           | 32            | 32            |
| ED GLASS                    | YES          | YES          | YES          | YES          | YES           | YES           |
| Exit pupil (mm):            | 6.26         | 5            | 5.25         | 4.2          | 4             | 3.2           |
| Eye relief:                 | 20.3         | 20           | 18.4         | 17.2         | 17            | 17.5          |
| Prism System:               | DACH (BAK4)  | DACH (BAK4)  | DACH (BAK4)  | DACH (BAK4)  | DACH (BAK4)   | DACH (BAK4)   |
| Resolution:                 | 5            | 5.5          | 5.5          | 5.5          | 8.5           | 8.5           |
| Close distance (m)          | 1.5          | 2            | 2            | 2            | 1.5           | 1.5           |
| Focus System:               | Center focus | Center focus | Center focus | Center focus | Center focus  | Center focus  |
| Waterproof & Fog proof:     | YES          | YES          | YES          | YES          | YES           | YES           |

| Field of view: | Degree | 6.9   | 5.9   | 7.5   | 6.7   | 6.5   | 5.5 |
|----------------|--------|-------|-------|-------|-------|-------|-----|
| FT/1000yds     | 361.6  | 309.2 | 393.0 | 351.1 | 340.6 | 288.2 |     |
| M/1000m        | 120.5  | 103.1 | 131.0 | 117.0 | 113.5 | 96.1  |     |

| GROUPS AND ELEMENTS FOR EYEPIECE: | 3G5E       | 4G5E       | 4G5E       | 5G8E |
|-----------------------------------|------------|------------|------------|------|
| 3G5E                              | 4G5E       | 4G5E       | 5G8E       | 4G5E |
| 3G4E                              | 3G4E       | 3G4E       | 3G4E       | 3G4E |
| Coating:                          | FMC        | FMC        | FMC        | FMC  |
| Net weight (g):                   | 880        | 870        | 762        | 380  |
| Dimensions                        |            |            |            |      |
| L x W x H (mm):                   | 150X135X60 | 140X133X54 | 110X120X42 |      |

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size: 130mmx120mm