

Dear Binocular Specialist.

Seas, forests, rivers, grasslands, savannas and mountains hide secrets and dangers. Those looking for adventure or who work with nature, want to know – and need to know – what is hiding and what awaits them. This is the only way to make a sailing trip, a hunt, an expedition or even a wander through the countryside an enjoyable and successful experience. The eye is the key to this success. What we see, we also sense. If we see, we can react.

People have long dreamed of overcoming distances, of being able to grasp that which is far away and create strategic advantages for themselves.

Binoculars have been helping to do just that since they were first invented at the end of the 16th century.

But more than just technical excellence is needed to build truly precise binoculars; you must also understand the user's specific needs and the uniqueness of the individual applications. Binoculars must be designed with precision for the actual conditions: the hasty movements

of timid birds, the crashing waves and the rolling ship or the distorting glare of the sun in the mountains.

At STEINER, we are committed to understanding these demands. We bring more than six decades of research and experience into the production of binoculars for pros and hobbyists alike. That's why seafarers, hunters, mountaineers, hikers, naturalists and birdwatchers can rest assured that they are holding the best binoculars available in their hands for their specific application. On behalf of the company and its employees, I congratulate you on choosing this pair of binoculars and thank you for your trust. I wish

you many unforgettable moments.

Sincerely



Carl Steiner, Owner

Your new STEINER binocular:

STEINER binoculars are extremely rugged and stand up to even the toughest conditions. Furthermore, they have been created specifically for the fields in which they are used. This precision instrument will give you many years of enjoyment. Your binoculars come with a number of accessories that you can use as you see fit. Compare these accessories to the images on the following pages and take advantage of the comfort and convenience of STEINER.

Before using your binoculars for the first time, please adjust them according to your personal preferences as described in this instruction manual.

SEE THINGS DIFFERENTLY, EXPERIENCE MORE

Basic instructions for use **16**

Care and cleaning **25**





A With ClicLoc System (1+2): For various models with ClicLoc, the carrying strap and the rain protection cover are already attached. To loosen the strap, press the ribbed release in the centre of the retainer or the round dot on the outside of the retainer. The fastener can now be released (1+2). To re-connect the ClicLoc System, take the snap fit and insert it into the retainer. Make sure that the catch is facing outwards. Push it into the retainer until it is secure and audibly engages.



B Without ClicLoc System (3): Your binoculars are supplied with a carrying strap. Attach it according to its design. If your binoculars come with a rain protection cap (6) or cover (7), thread the open end of the carrying strap through this first. Feed the strap through the slide loop and then through the top of the eyelet on the binoculars (4). Now pull the strap through the slide loop again (5). Pull firmly on the strap to tighten it. Repeat these steps to fasten the other end of the strap.



The signal yellow coloured floating strap prevents your waterproof STEINER binoculars from sinking.



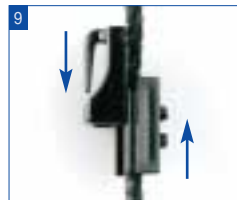
Tip

Fasten the rain protection cap to the carrying strap using just one eyelet.



Attaching the neoprene rain protection cover:

If your binoculars are equipped with a neoprene rain protection cover (7), ensure that the semicircular opening on the cover fits over the focussing wheel.



Attaching the objective covers:

If your binoculars are equipped with so-called locking objective covers, press on the visible depression (8) and pull it out of the retainer to release the cover. To re-connect it, simply push the snap-on connector into the retainer until it is secure and audibly engages.

If your binoculars are supplied with two plastic sliders, you can attach these to the carrying strap as a clasp (9) to securely hold your locking objective covers when not in use (10).



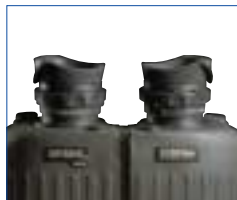
Objective covers (11) that are attached to the centre axis are simply pulled over the centre axis for removal.

Adjusting the interocular distance:

The two sections of the binoculars are connected by a movable centre axis. Look through the binoculars and move the sections closer together or farther apart using slight pressure until you see a circular image.

Tip

The interocular distance is easier to adjust when looking at a single-coloured area

**Ergonomically shaped eyecups:**

Perfect protection against light from the side! They also ensure an extremely bright and vivid image. As with all STEINER eyecups, these are made of soft, pliable hypoallergenic silicone. This ergonomically shaped piece can be folded once to give you a cylindrical eyecup, or folded again if you wear glasses so that you can see the entire field of view.

**Twist-up eyecups:**

As you turn the eyecup outwards you will feel a slight resistance at the end of the upward movement. After that, you are in the adjustment range of the side light protection. Please do not turn the eyecup past this resistance point. You achieve the greatest possible angle of view in this way, even if you wear glasses.

**ClicLoc interchangeable eyecups:**

STEINER's unique ClicLoc interchangeable eyecup system allows you to adapt your binoculars to fit your personal needs. You have the choice between **Ergonomic** (1) for maximum reduction of scattered light, **Cylindrical** (2) for all needs, and an optimised **Eyeglass Wearer Eyecup** (3). Exchanging eyecups is easy with the handy little tool (4+5) that is included. Slide the thin edge of the lifting tool between the eyecup and the mounted part of the ocular. Remove the eyecup by lifting it off (4). Replace this eyecup with the eyecup of your choice and push this firmly onto the ocular until it audibly engages. Test to make sure that the eyecup turns easily, but does not come off.

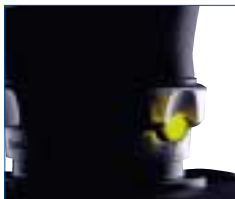


20

Focussing: Sports Auto Focus

Adjust each setting ring on the oculars to "0" and everything from approx. 20 m and beyond is always sharp and clear. If the image is still unclear, one or both eyes may be ametropic.

1. Choose a very remote and detailed object.
2. Cover the left objective with your hand or the objective cover and look through the binoculars.
3. Now turn the dioptré setting on the right ocular until the right eye sees an absolutely sharp and clear image.
4. Repeat these steps for the left eye.



Memory Ocular:

Your Memory Ocular helps you find your individual ocular setting quickly and easily.

Simply do the following: Apply equal pressure to both marker points of the release to loosen the memory ring. Now carefully pull the ring upwards and turn it until the marker aligns with the index notch on the sleeve underneath the ocular. Apply pressure to the marker points and carefully press the ring downwards. The lock automatically engages. Your personal setting is marked and can be found at any time, even when the ocular has been adjusted.

Tip

The distance should be 200 to 300 m.



Focussing: Fast Close Focus

We recommend STEINER binoculars with the Fast Close Focus System if you typically observe objects at a distance of under 20 m. Just turn the comfortable, cushioned XXL focussing wheel lightly to get a sharp, detailed image. You no longer need to endlessly turn the focussing wheel; with quick and easy movements, you can immediately identify the object you are viewing.

1. Choose a very detailed object.
2. Cover the left objective with your hand (or with the objective cover, if included) and look through the binoculars.

3. Now turn the focussing wheel until the right eye sees an absolutely sharp and clear image.
4. To adjust the left half of the binoculars, cover the right objective and look through the binoculars. Then turn the precision ring on the left ocular until the same object is sharp and clear.
5. Your binoculars are now adjusted to your own personal vision giving you outstandingly detailed and brilliant images.

Tip

The object viewed during the adjustment of your binoculars should be more than 10 m away.



Focussing: Dual Precision Setting

Binoculars equipped with the Dual Dioptré Setting offer you two ways to use your binoculars:

a) Without Distance Control:

Adjust the right dioptré setting to "0" so that both marker points are aligned. Then follow the same steps for adjusting the Fast Close Focus.

b) With Distance Control:

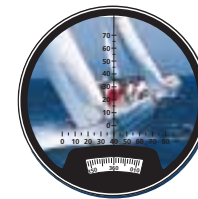
1. Turn the small point at the bottom end of the focussing wheel to the edge of the right housing bridge. Now the scale of the focussing wheel is also set to Infinite (∞).

2. Please do not turn the focussing wheel any further.
3. Find a point at least 300 m away.
4. If the image is still not clear, adjust each ocular separately so that it is as clear as possible.
5. For example, observe a bird at a distance of approx. 10 m and set the scale to 10 m. Now you only need to make the fine adjustments.
6. Otherwise, you can read the approximate distance directly from the distance scale.



Compass Light:

If you have chosen STEINER marine binoculars with an integrated compass, you will find a button on the side of the compass housing that you can use to illuminate the compass in the dark. Simply press the corresponding button on your model.



Reticle

Precision Reticle:

The precision reticle is visible in the entire angle of view and gives measurements in metres or feet (0.33 m).

Measuring distances:

A boat with a height of 10 m is intersecting your course. You

read the value 20 from the number scale of the reticle. The distance to be calculated is the actual size, 10 m in our example, divided by the read size, 20 m in our example, multiplied by 1000. $10 \text{ m} / 20 = 0.5 \times 1000 = 500 \text{ m}$. Thus, the ship is travelling at a distance of 500 m. A second example: You home in on a 180-foot high hill on the coastline. You read the value 10 from the reticle. The calculation – as given here – reveals that the hill is 18,000 feet away. Now set your compass course on the chart and enter the line of position of the immovable object. By following these measurement instructions, you can determine the position.

Formula for using the measuring scale:

$$\text{distance: } \frac{\text{actual size}}{\text{read size}} \times 1000 \text{ or}$$

$$\text{actual size: } \frac{\text{distance} \times \text{read size}}{1000}$$

1 nautical mile = 1.852 km



Changing batteries:

Batteries are used to illuminate the compass. Before you do anything else, try changing the batteries if the light does not work. Do the following: Use a coin to open the battery case by turning it counterclockwise. Exchange used round cell batteries with new ones. Please note the following battery types:



• **7x50 models: 2x 1.5 V**

• **7x30 models: 1x 3 V**

Replace the cover and close it by turning it clockwise.



Serial number:

When requesting additional information about your binoculars, always give the serial number. The serial number is engraved on the centre axis, on the back

of the housing bridge on both sections of the binoculars or in the left objective on Discovery and Night-hunter_{XP} 8x44 models.

Tip

Hold your binoculars so that light streams into the objective. Look into the objective at a slight upward angle.



STEINER Nano Protection®:

This special treatment to the surface of the objective and ocular lenses is truly unique. It protects the lenses from stubborn environmental substances such as oil, acids and

salt water. The surface is extremely water-repellent and is easily cleaned. It always provides a clear view, even under the most adverse weather conditions.

Cleaning your binoculars:

- Remove dust and loosen dirt with a brush
- Use a soft, damp cloth to wipe the lenses. Failing to use a soft cloth can scratch the lenses
- Wipe off salt water with a damp cloth and then use a dry cloth to wipe the lenses
- Store the instrument in a dry room when it is not in use

STEINER Service:

Should you happen to encounter any problems while using your binoculars, simply contact your specialist dealer or call our Customer Service at +49 (0) 921/7 879-15 – we'll be glad to help.

If you would like to know more about STEINER, visit us online at www.steiner.de.

STEINER binoculars – simply perfect! By putting your trust in STEINER, you are confirming the precision, ruggedness and functionality of our products. Our long warranty period is valid for the use of our products worldwide and begins the moment you purchase your binoculars. Keep the warranty certificate in a safe place (you will find it on the last page of this instruction manual). Send the certificate to us completed along with your binoculars in case of a warranty claim. Please understand that we cannot accept warranty claims for wear parts such as rubber armouring, carrying straps, eyecups or protective caps.