

ATS/STS 65 / ATS/STS 65 HD
ATS/STS 80 / ATS/STS 80 HD

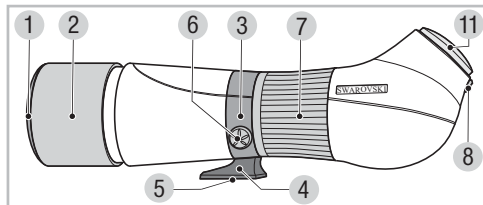


Instructions for use and care

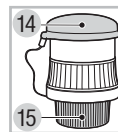
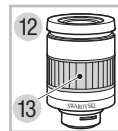
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BA-660/1, 05/2007


SWAROVSKI
OPTIK

We are very pleased that you decided to purchase this product from *Swarovski Optik*. If you have any questions, please consult your specialist dealer or contact us directly at www.swarovskioptik.com.



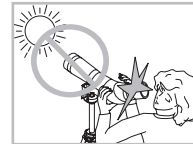
- 1 Protective cap for objective lens
- 2 Sunshield
- 3 Tripod ring
- 4 Tripod base
- 5 Connection thread for tripod
- 6 Locking screw
- 7 Adjustment ring for focusing
- 8 Locking mechanism
- 9 Aiming aid
- 10 Cover of aiming aid connection
- 11 Protective cover for bayonet
- 12 Eye piece
- 13 Adjustment ring for changing magnification
- 14 Protective cap for eye piece
- 15 Protective cap for bayonet



Please find our current product accessories at www.swarovskioptik.com.

For your safety!

⚠ WARNING!

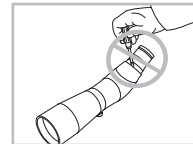


Never look at the sun with the telescope! This leads to injury of your eyes!

General information

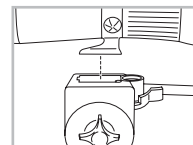


Please protect your telescope from jolts and jars.



Repairs should be carried out only by authorized workshops.

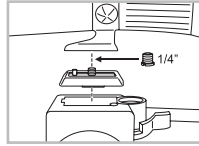
Mounting the telescope on the tripod



Swarovski Optik tripod

The tripod base fits directly into the Swarovski Optik tripod head.

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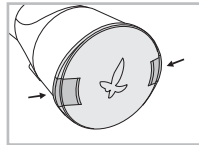


Other tripods

The tripod base has a connecting thread of 3/8" UNC. The inserted bush reduces the connecting thread to 1/4". The observation telescope thus fits on any standard tripod.

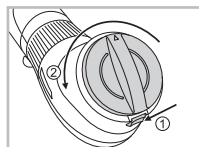
Operation

Remove the protective cap from the lens



- The objective lens is protected from dirt by a cap.
- To remove the cap, press together the protruding snap elements at the rim of the cap.

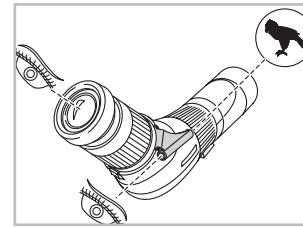
Remove the protective cover for the bayonet from the bayonet lock



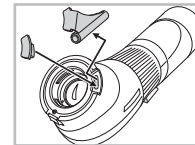
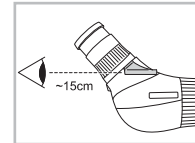
To remove the cover, slide the locking mechanism of the eyepiece downward and turn the protective cover to the left (anti-clockwise).

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Aiming aid

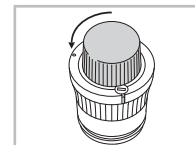


The mounted aiming aid is designed to help you align the telescope with the subject to be observed.

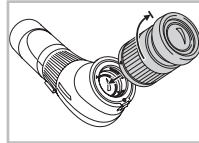


If you do not need the mounted aiming aid, please pull it out and insert the cover supplied.

Attachment and detachment of the eyepiece

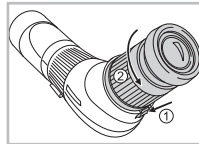


- Remove the protective cap for the bayonet from the eyepiece by screwing it to the left (anti-clockwise).



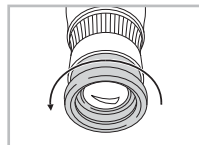
- Align the marking on the eyepiece with the marking on the bayonet fitting.

- Insert the eyepiece and turn it to the right (clockwise) until the locking mechanism of the body clicks into the eyepiece.



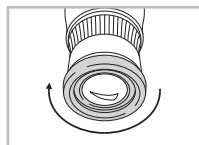
- To remove the eyepiece, press the locking mechanism of the body downward and turn the eyepiece to the left (anti-clockwise) until it can be removed.

Adjustment of the screw-in-type eye cup



Use without eyeglasses:

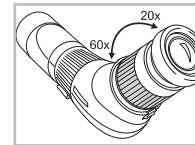
Turn the eye cup (counter-clockwise) until it stops.



Use with eyeglasses:

Turn the eye cup (clockwise) until it stops.

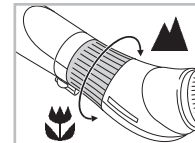
Use of the 20-60x zoom eyepiece



To change magnification:
Turning the adjustment ring to the right (clockwise) decreases magnification (down to 20x).

Turning it to the left increases the magnification (up to 60x). You will be able to read the magnification above the index point.

Focusing



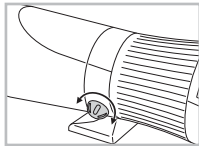
- For distant objects, turn the adjustment ring for focusing to the right (clockwise).

- By turning the adjustment ring to the left (anti-clockwise), you can observe objects that are nearer.

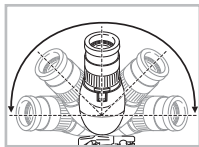
- In order to ensure fatigue-free observation, turn the adjustment ring for focusing a bit to the left (anti-clockwise) until the image becomes slightly unsharp. Then turn the adjustment ring to the right (clockwise) until the maximum image definition is attained for the first time.

- To retain the image definition over the entire range of magnification, you should carry out sharp focusing using the zoom eyepiece with the highest magnification.

Changing the viewing angle



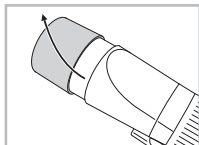
- Turn the locking screw to the left (anti-clockwise) to unlock the tripod ring in position.



- With the scope on a tripod, turn the body of the scope to the desired viewing position. The ATS will click into place at: 0° , $\pm 45^\circ$, $\pm 90^\circ$. The STS will click into place at: 0° , $\pm 90^\circ$.

- Turn the locking screw to the right (clockwise) to lock the tripod ring in position.

Using the sunshield

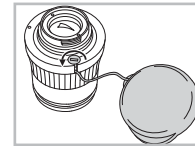


The integrated, extendable sunshield keeps away disturbing lateral light and protects the objective lens from rain.

The sunshield is best slid out and in with a slight rotary motion. It snaps in when extended as well as when retracted.

The protective cap for the objective lens can also be used when the sunshield is extended.

Disassembly of the protective cap for the eyepiece



The protective cap for the eyepiece is attached to the eyepiece with a cord. By loosening the screw on the eyepiece with a screwdriver, you can remove the cord with the cap from the eyepiece. Please reinsert the screw.

After using the observation telescope

- Please put the protective cap for the objective lens back on.
- In order to protect the cover glass in the bayonet fitting, leave the eyepiece mounted and protect it by putting on its protective cap or close the bayonet fitting with the cover provided for this purpose.

Maintenance and Care

Lens-cleaning cloth

You can clean high sensitive lens surfaces with the enclosed special cloth made of micro-fibres. It is suitable for objective lens, ocular lens and eye-glasses.

Please keep the cloth clean, as dirt can damage the lens surface. If the cloth gets dirty, it can be washed in luke-warm soapy water and air-dried. Please use it exclusively for cleaning lens surfaces!

Cleaning

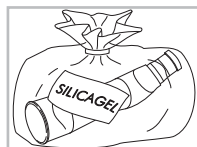
We have designed all elements and surfaces to require little care. To ensure the long-lasting optical brilliance of your telescope, you should keep the glass surfaces free of dirt, oil and grease. When cleaning the lenses, first remove larger particles with an optical lens brush. For the subsequent thorough cleaning we recommend breathing onto the lens surface to form a coat of condensation and then cleaning it with a soft, moist cloth.

The housing is best cleansed with a soft, moist cloth (don't use the lens-cleaning cloth).



In the event of hard-to-remove dirt (e.g. sand) the eye cups can be unscrewed and cleaned very easily.

Storage



You should keep your telescope in a well-ventilated and dark place.

If the instrument is wet, it must be dried prior to storage.

During longer stays in tropical regions with a high degree of humidity the best place to store the instrument in is an air-tight receptacle along with a moisture-absorbing agent (e.g. silica gel).

Easy to Clean®

Non-stick effect thanks to Easy to Clean. Obvious cleaning advantage in the case of dirt such as water marks, insect repellents and tree resin.

Easy to Clean coating is not available in North America.

Notice

Eyepieces of the Swarovski AT and ST 80 telescopes fit mechanically into the bayonet lock of the main bodies of the ATS and STS 65/80. But the best optical imaging is ensured if eyepieces of the new S series are used.

All data are typical values.

We reserve the right to make changes regarding design and delivery.

BA-660/1, 05/2007