



DEAR CUSTOMER!

Congratulations and thank you for purchasing a KAHLES riflescope!

Before using it for the first time, please read this information carefully.

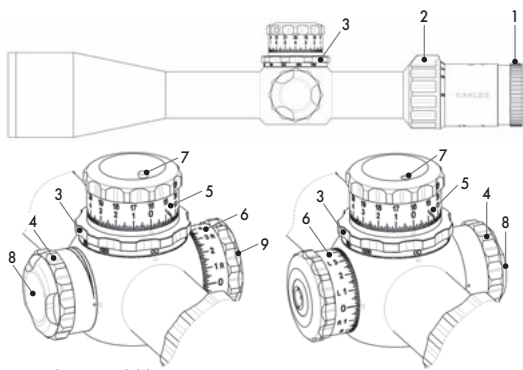
All specific technical data and reticle drawings of the KAHLES K products are available online at kahles.at.

If you have any further questions, please contact your authorized KAHLES dealer, gunsmith or contact our support team directly.

Your KAHLES team

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1 OPERATING ADJUSTMENTS



Depending on model/type

- 1 – Diopter compensation ring
- 2 – Magnification ring
- 3 – Parallax adjustment wheel
- 4 – Illumination control
- 5 – Elevation adjustment turret
- 6 – Windage adjustment turret

- 7 – Rotation indicator pin
- 8 – Battery cover
- 9 – Anti-rotation protection
"Twist Guard" on windage
K318i, K525i, K328i and
K540i

2 USE AND MOUNTING

KAHLES rifle scopes are waterproof and extremely durable. Nevertheless, careful handling is advised, especially around the turrets. Please protect your rifle scope against excessive impact and abuse.

To ensure proper function and performance use a professional gunsmith to mount your KAHLES rifle scope. Ensure maximum eye relief is achieved. Please read all safety instructions before use.

3 SAFETY INSTRUCTIONS

- Never look directly into the sun or any other intense light through your rifle scope
- Please protect your rifle scope from excessive solar radiation and heat
- Please note the eye relief distance specified for properly mounting the rifle scope
- All repairs must be performed by KAHLES
- The rifle scope must be mounted by professional gunsmith
- Attention – the screws of mounts shall in no case be tightened stronger than max. 240 Ncm / 21 in lbs
- Always check carefully and be certain that your firearm is unloaded before undertaking any work upon it

4 MECHANICAL CENTER

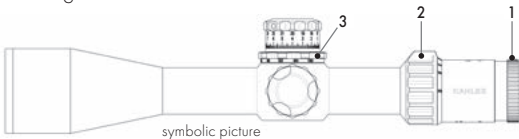
The reticle has been factory-set to optical center. If you need to reset it anyhow, follow these steps:

1. Turn the elevation or windage adjustment until it stops (do not force).
2. Now turn the adjustment in the opposite direction while counting the total number of clicks until it stops.
3. Half of this total number of clicks is the optical center.
4. Repeat this procedure for the second adjustment turret.

! Pay attention, never use any strong force when you do any adjustments on the turrets.

5 DIOPTER AND PARALLAX ADJUSTMENT

- Turn the diopter compensation ring (1) until you get a sharp reticle image
- Turn the parallax adjustment wheel (3) until you achieve a sharp image and the reticle does not move on the target due to head placement.
- Magnification ring (2) turn to increase or decrease magnification



6 SIGHTING IN THE RIFLE SCOPE

After the rifle scope has been properly mounted and bore sighted by a professional gunsmith you will need to sight in your rifle and rifle scope. Attention – the screws of mounts shall in no case be tightened stronger than max. 240 Ncm / 21 in lbs!

Sight in the rifle scope (on the shooting range) to your specific distance and desired point of impact by turning the elevation and windage adjustments to move the bullet impact to your desired point of impact. The direction of bullet impact is engraved on each adjustment.

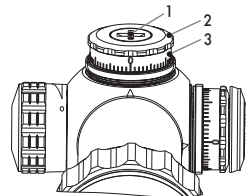
Once you have established the preferred point of impact on the target you will need to zero the elevation and windage adjustments. An arrow with "Up" at the elevation turret and an arrow with "R" on the side adjustment turret mark the direction of rotation for a meeting point shift up ("Up") or rightwards ("R").

Expert mounting is required to ensure optimum performance.

6.1 Zeroing on K16i, K18i and K18i-2

Once you have aligned the scope to the rifle, you can retain this basic setting. The scale for this is located on the index disc of the elevation/windage adjustment turret.

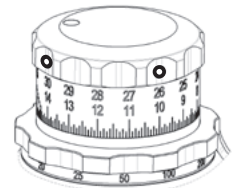
1. Hold the turret with your fingers
2. Use a coin or an empty cartridge case and turn the locking screw (1) in counter clockwise direction
3. Loosen the locking screw till you get a free moving index disc (3)
4. Turn the index disc/ring (3) until the zero point of the scale is aligned with the index point on the scope
5. Hold the index disc/ring (3) and the turret disc (2) turn the locking screw clock wise in right direction. While performing this process you should hear no mechanical click.
6. Your adjustment is now zeroed to your point of impact.



! Pay attention, never use any strong force when you do any adjustments on the turrets.

6.2 Zeroing the elevation dial on K318i, K525i, K328i, K540i and K1050 MOAK

Using the supplied allen key, loosen the two set screws on the turret 1–3 turns (do not remove the set screws completely) until you have a free moving turret without clicks. With the set screws loosened turn the elevation turret in the down direction (the direction of bullet impact is engraved on



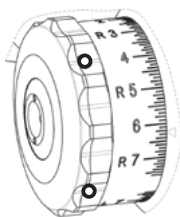
the adjustment) until it stops. This will be 3 or 4 marks below the zero mark on the dial. Turn the turret so that the zero on the dial lines up with the indicator mark on the body tube. Align the marks and using the short end of the supplied allen key tighten again the two set screws to approximately 1 Nm or 8 inch pounds. Your elevation is now zeroed.

The zero stop is sited 3 or 4 clicks below the Zero indicator. This feature facilitates the user finding the Zero indicator quickly and intuitively even in poor light conditions and adapting the turret to special conditions such as for example very high temperatures or closer targets.

! Pay attention, never use any strong force when you do any adjustments on the turrets.

6.2a Zeroing the windage dial on K318i, K525i, K328i, K540i and K1050 MOAK

With the rifle and scope sighted in to the desired point of impact loosen the two set screws on the windage adjustment dial 1–3 turns (do not remove the set screws completely) and move the dial to align the zero mark to the indicator mark on the body tube.



symbolic picture

Using the short end of the supplied allen key, tight the two set screws to approximately 1 Nm or 8 inch pounds. Your windage is now zeroed.

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6.2b Reset to factory conditions (full elevation of the vertical adjustment) on K318i, K525i, K328i, K540i and K1050 MOAK

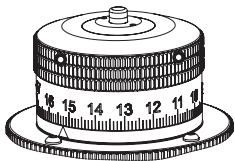
1. Turn the elevation turret (5) in the up direction until you reach the mechanical stop.
2. Use the supplied allen key to loosen the two set screws 1–3 turns (do not remove the set screws completely) until you have a free moving turret without clicks.
3. Now turn the elevation turret in the up direction until you reach the mechanical stop.
4. Use the short end of the supplied allen key to tighten the two set screws to approximately 1 Nm or 8 inch pounds.
5. Turn the elevation turret in the down direction until you reach the mechanical stop.
6. Use the supplied allen key to loosen the two set screws 1–3 turns (do not remove the set screws completely) until you have a free moving turret without clicks.
7. Now turn the elevation turret in the down direction until you reach the mechanical stop.
8. Use the short end of the supplied allen key to tighten the two set screws to approximately 1 Nm or 8 inch pounds.
9. You have now deactivated the zero stop feature. Your rifle scope will now have full adjustment travel.

NOTE: The mechanical (physical) stop will be about 3 or 4 clicks below zero. This allows adjustments slightly below zero for special conditions as increased temperature or closer targets.

! Pay attention, never use any strong force when you do any adjustments on the turrets.

6.3 Zeroing the elevation dial on K1050 and K1050i FT

Using the supplied allen key loosen the two set screws on the turret 1–3 turns (do not remove the set screws completely) until you have a free moving turret without any clicks. With the set screws loosened turn the elevation turret in the down direction (the direction of bullet impact is engraved on the adjustment) so that the zero on the dial

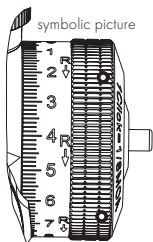


symbolic picture

lines up with the indicator mark on the body tube. Align the marks and use the short end of the supplied allen key to tighten the two set screws to approximately 1 Nm or 8 inch pounds. Your elevation is now zeroed.

! Pay attention, never use any strong force when you do any adjustments on the turrets.

6.3a Zeroing the windage dial on K1050 and K1050i FT



Your windage is now zeroed.

! Pay attention, never use any strong force when you do any adjustments on the turrets.

7 ELEVATION AND WINDAGE ADJUSTMENT

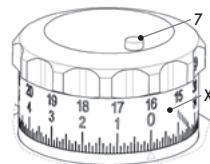
KAHLES riflescopes have adjustable elevation and windage dials with mechanical and audible clicks. On the K4i this is only possible with a coin or cartridge case. Each click moves the point of impact towards the direction which is engraved on the turrets.

! Pay attention, never use any strong force when you do any adjustments on the turrets.

8 ROTATION INDICATOR PIN

Double turn turret

There are two rows of numbers (X) on the elevation adjustment. If the indicator pin (7) is flush to the top of the adjustment you are using the bottom row of numbers (first rotation). If the indicator pin is raised up, you are using the upper row of numbers (second rotation).

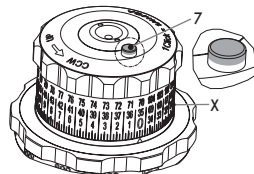


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At the K318i | K525i | K328i | K540i the pin's lifting is shown graphically by a raising post on the bottom row of numbers (first rotation) on the turret.

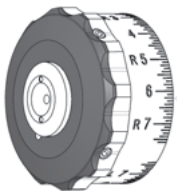
Triple turn turret

There are three rows of numbers (X) on the elevation adjustment. If the indicator pin (7) is flush to the top of the adjustment you are using the bottom row of numbers (first rotation). If the indicator pin is raised up about 1 mm (red), you are using the middle row of numbers (second rotation). If the indicator pin is raised up about 2 mm off the housing (white and red), the highest row of numbers (third rotation) is in use.



symbolic picture

9 ANTI-ROTATION PROTECTION "TWIST GUARD"

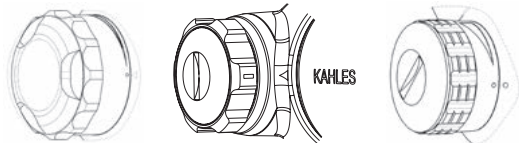


symbolic picture

The K318i | K525i | K328i | K540i offer you the innovative and patented anti-twist device "Twist Guard" on the windage turret. A free rotating disc protects the windage from unintended twisting.

10 ILLUMINATION

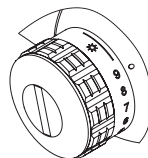
Most KAHLES rifle scopés are equipped with illuminated reticles. To switch on the reticle illumination turn the illumination switch towards clockwise direction. The illumination intensity will get brighter or lower by turning the adjustment switch more or less. The adjustment can be turned in direction to the off point or to the desired intensity setting. The illumination is switched off when the indicator on the illumination adjustment is aligned with the off marking on the tube. All of our K-models have the automatic-off function of the reticle illumination integrated. If there will be no brightness adjustment over a period of about 2 hours, the reticle illumination automatically switches off. To restart the reticle illumination after the automatic-off is activated, you have to switch it completely off and on again. In any case to prevent depletion of the battery, turn off the reticle illumination when not in use.



Depending on model/type (pictures shown from left to right: K318i, K4i and K16i)

10.1 MAX LIGHT Function K18i and K18i-2

The reticle illumination of the K18i | K18i-2 is offering an additional "MAX LIGHT Function", to guaranty the needed illumination intensity even at worse back-light situations. The brighter reticle illumination in the "MAX LIGHT Function" is achieved due to higher battery voltage and will reduce the lifetime of the battery.



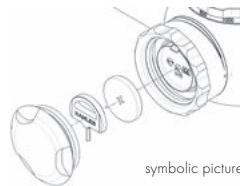
symbolic picture

11 REPLACING THE BATTERY

The battery is stored in the illumination adjustment.

To change the battery:

1. Turn off the reticle illumination
2. Screw the battery cover (Depending on the model by hand or with a coin) counter clockwise until the cover is unscrewed.
3. Change the battery (CR2032) positive + side facing out
4. Reinstall the battery cover securely



symbolic picture

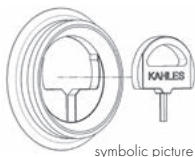
Attention! Use only type CR 2032 batteries. The K16i | K18i | K18i-2 contains a spare battery inside the windage turret cap.

Disposal of used batteries

Batteries must not be disposed of as household waste and you are legally obliged to return used batteries. Local facilities exist for returning used batteries free of charge (e.g. in retail outlets or at communal collection points). Batteries are labelled with a crossed-out wheeled bin and the chemical symbol of the harmful substance they contain: "Cd" for cadmium, "Hg" for mercury and "Pb" for lead. Please help us to protect the environment.



12 STANDARD TOOL FOR K318i, K525i, K328i AND K540i

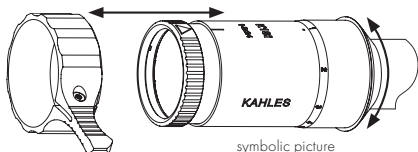


symbolic picture

An Allen-key is stored in the cap of K318i | K525i | K528i | K540i illumination unit. It can be used to screw and unscrew the turret's screws.

13 MOUNTING OF K18i AND K18i-2 THROW LEVER

A short and a long adjustment lever are supplied with the K18i | K18i-2. These can be easily changed and also the position of throw levers could be changed stepless, due to



symbolic picture

the individual needs. Therefore just open the screw with the torx wrench till the throw lever can easily be pulled off. Then the other throw lever have to be pulled on and fixed with the screw at the position which is needed. The screw should just be tightend hand-screwed.

14 CLEANING

We have developed all elements and surfaces of our products to be simple and easy to maintain.

Cleaning the lenses

The special KAHLES outer surface coating makes cleaning objective lensés and eyepiece lenses much easier. To ensure the long-lasting optical quality of the lenses, you should always keep the glass surfaces free from dirt, oil and grease. When cleaning the lenses, first remove larger

particles with an optical brush. For subsequent thorough cleaning, we recommend using the supplied *KAHLES lens cleaning cloth only.

Cleaning the metal parts

For cleaning the metal parts, we recommend using a soft and clean cloth.

*The supplied KAHLES lens cleaning cloth should only be used for cleaning the sensitive lensés and eyepieces. Therefore, please keep it always clean, as dirt particles can damage the lens surface. If it is dirty, it may be washed in lukewarm soap suds and then air-dried. Please only use our KAHLES lens cleaning cloth or special optics cleaning cloths to clean the glass surfaces.

15 STORAGE

We recommend to store the rifle scope in a dry place without excessive solar radiation and heat. If the rifle scope is wet it must be dried prior to storage.

16 CONFORMITY

The devices comply with EU directives 2011/65/EU, 2012/19/EU und 2014/30/EU.



⚠ WARNING

BUTTON/COIN CELL BATTERIÉS ARE HAZARDOUS AND MUST BE KEPT OUT OF REACH OF CHILDREN AT ALL TIMES, WHETHER THE BATTERY IS NEW OR USED. THESE BATTERIES CAN CAUSE SEVERE OR FATAL INJURIES IN 2 HOURS OR LESS IF SWALLOWED OR PLACED INSIDE ANY PART OF THE BODY.

IF YOU SUSPECT A BUTTON/COIN CELL BATTERY HAS BEEN SWALLOWED OR PLACED INSIDE ANY PART OF THE BODY, SEEK MEDICAL ATTENTION IMMEDIATELY OR CONTACT:

POISON INFORMATION CENTRE AUSTRALIA 13 11 26
NATIONAL INGESTION HOTLINE UNITED STATES 1-(800) 498-8666
FOR 24/7 FAST, EXPERT ADVISE