LEICA ULTRAVID 8/10 x 32 BR
LEICA ULTRAVID 7/8/10 x 42 BR/BL
LEICA ULTRAVID 8/10/12 x 50 BR

Anleitung
Instructions
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Warning notices

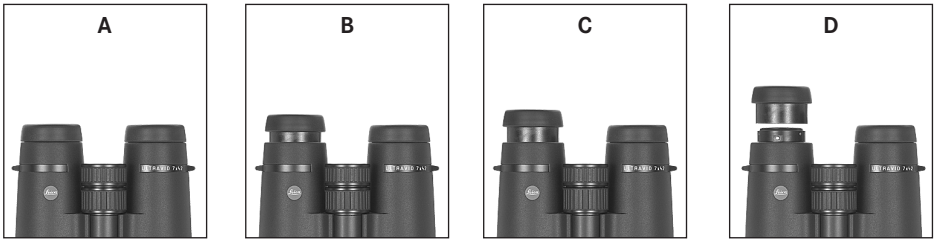
- Never look directly at the sun or other sources of bright light with your binoculars! This could cause eye damage!
- Never use your binoculars while you are walking! You might overlook obstacles!

Possible applications
The Leica Ultravid binoculars have hermetically sealed and nitrogen-filled magnesium housings. They are therefore suited for rough outdoor use. There is no need to be concerned with moisture as they are 100% waterproof to a depth of 5 m and the internal optical system is not subject to fogging.

Attaching the carrying strap and the protective eyepiece cover
See illustration on the rear cover flap.

Note:
If you want to attach the protective eyepiece cover to the carrying strap, this must be done while attaching the carrying strap to the binoculars.

Attaching the protective lens caps
To attach the caps, their rubber ring is pulled over the binoculars from the lens side (image A). When the caps are swung open, the rubber ring rotates, thus fixing the caps in open position (image B).

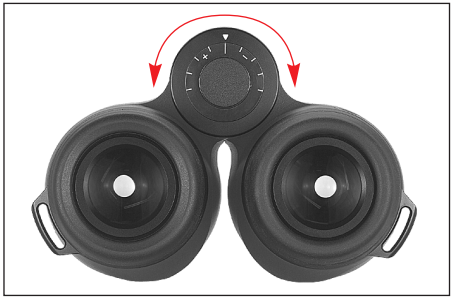


Adjusting the eyecups /
Use with and without glasses

The eyepiece cups (1) can be easily adjusted by turning them and they lock securely into the selected positions. They can also be completely removed for thorough cleaning.

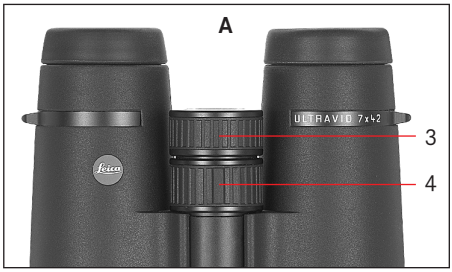
For viewing with eyeglasses (image A) they remain in the fully screwed-in position. For viewing without eyeglasses, they are unscrewed by turning them anticlockwise. Two positions are available for optimum adjustment (images B, C).

If the eyepieces are very dirty, it is recommended to remove the cups for cleaning (image D). To do this, they are simply pulled off while in the fully unscrewed position.



Adjusting the eyebase

To set the eyebase, adjust the binoculars at the hinged joint. The left and right fields of view must merge and produce a single circular image.



Focusing / Diopter adjustment

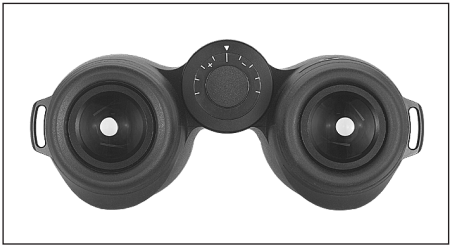
With the Leica Ultravid binoculars the central focusing ring (4) is used to set the focus for variously distant objects.

Compensation for individual defective vision for viewing without eyeglasses is made using the diopter ring (4), which is normally locked (Figure A). To unlock the two rings the diopter ring is pulled up (Figure B). Now, the central focusing ring only effects the focus of the left optical system, the diopter ring only that of the right system.

Using one of the rings, then focus the respective barrel on the desired subject. Continue by setting the optimal focus for the second barrel with the other ring. Pressing the diopter ring back down locks the set value. The set value can be conveniently read from the accurate scale on the diopter ring.

Notes:

- The diopter ring rotates freely, i.e. it can accidentally be rotated by more than 360° with respect to the central focusing ring. Depending on the latter's previous setting, the combined system's focusing range can be limited considerably by this. Therefore, take care to turn the diopter ring only as far as necessary for the eyesight adjustment.
- For viewing on just the left or the right side, the other eye should be kept closed or the appropriate half of the binoculars simply covered at the front on the lens.



Indications on the scale

As long as the two halves of the drive are coupled together, the binoculars are permanently adjusted to your eyesight, irrespective of the focusing distance to an object. You need to make the adjustment only once. If other people use your binoculars, they may have to alter the setting. Simply note your personal setting on the scale; when someone else has used them, you can reset the binoculars in a matter of seconds.

The distance between two divisions on the scale represents a difference of approx. one diopter of correction being applied to the left and right eye.

Care and maintenance

Your Leica Ultravid binoculars need no special maintenance. Use a soft lens brush or a blower to remove large particles of dirt, sand, etc. To remove fingerprints etc., first wipe the eyepiece and lens with a damp cloth, then dry them with a piece of clean, soft chamois leather or lint-free cloth. If the binoculars, particularly the rotating eyecups, are very dirty, simply rinse them under a running faucet. Always rinse off salt water.

Moisture inside the central focusing unit (visible through the scale window) will dry quickest when the two rings (3/4) are unlocked.

Attention!

Do not apply too much pressure when wiping strongly soiled lens surfaces. Even though the coating is very tough, sand and salt crystals can cause scratches.

Accessories	Order No.
Tripod adapter with 1/4" thread	42220
Floating carrying strap, orange	42163

Replacements

Should you need replacements for your binoculars, such as eyecups, covers, or a strap, please turn to our Customer Service department or your national Leica agent. The addresses are listed in the Warranty Card.

Trouble shooting guide...

Problem	Cause	Solution
– The image seen through the binoculars is not concentric.	a) The binoculars are not properly adjusted to your personal eyebase.	a) Hinge the binoculars more or less at their centerline, as necessary, until the left and right image merges.
	b) Your pupils are not properly aligned with the exit pupils of the binoculars.	b) Check the position or your head, eyes and the binoculars.
	c) The eyepieces are not set for the correct viewing conditions with or without eyeglasses.	c) Correct the setting of the eyepieces: If you wear glasses, screw in the eyepiece tubes, if you do not wear glasses, unscrew the tubes.
– Fogging due to water in the scale window.	– The two-piece drive was not properly coupled together when you cleaned the binoculars under running water.	– Disengage the two halves of the drive. Allow the moisture to dry. There is no risk of damage.

Technical data	LEICA ULTRAVID 8x32BR	LEICA ULTRAVID 10x32BR	LEICA ULTRAVID 7x42BR	LEICA ULTRAVID 8x42BR/BL
Magnification	8x	10x	7x	8x
Lens diameter	32 mm	32 mm	42 mm	42 mm
Exit pupil	4 mm	3.2 mm	6 mm	5.25 mm
Twilight factor	16	17.9	17.15	18.33
Geometric light value	16	10.24	36	27.56
Field of view	135 m / 1000 m 7.7°	120 m / 1000 m 6.8°	140 m / 1000 m 8°	130 m / 1000 m 7.4°
Close focusing limit (at 0 dioptr.)	approx. 2.20 m	approx. 2.10 m	approx. 3.30 m	approx. 3.10 m
Exit pupil longitudinal distance	13.3 mm	13.5 mm	17 mm	15.9 mm
Eyebase	56-74 mm			
Type of prism	Roof			
Coating				
on lenses	High Durable Coating (HDC™)			
on prisms	High Lux System (HLS™) and phase correction coating P40			
Diopter compensation	±4 Dioptr.			
Operating temperature	-25° to +55°			
Storage temperature	-40° to +85°			
Waterproofing	0.5 bar (up to approx. 5 m water depth)			
Housing	magnesium housing with titanium axle, BR-models rubber-armored			
Dimensions (W[1] x H[2] x D[1])	117 x 55 x 119 mm	117 x 55 x 119 mm	121 x 67 x 142 mm	121 x 67 x 142 mm (BR) 121 x 63 x 141 mm (BL)
Weight	approx. 560 g	approx. 595 g	approx. 765 g	approx. 790 g / 710 g (BR/BL)

[1] With eyebase set to 65 mm
[2] With eyecups screwed in

Technical data	LEICA ULTRAVID 10x42BR/BL	LEICA ULTRAVID 8x50BR	LEICA ULTRAVID 10x50BR	LEICA ULTRAVID 12x50BR
Magnification	10x	8x	10x	12x
Lens diameter	42 mm	50 mm	50 mm	50 mm
Exit pupil	4.2 mm	6.25 mm	5 mm	4.2 mm
Twilight factor	20.5	20	22.36	24.5
Geometric light value	17.64	39.06	25	17.64
Field of view	110 m / 1000 m 6.3° (wide-angle)	115 m / 1000 m 6.6°	115 m / 1000 m 6.6° (wide-angle)	100 m / 1000 m 5.7° (wide-angle)
Close focusing limit (at 0 dioptr.)	approx. 2.95 m	approx. 3.60 m	approx. 3.35 m	approx. 3.25 m
Exit pupil longitudinal distance	15.8 mm	18.1 mm	14.6 mm	13.2 mm
Eyebase	56-74 mm	58-74 mm	58-74 mm	58-74 mm
Type of prism	Roof			
Coating				
on lenses	High Durable Coating (HDC™)			
on prisms	High Lux System (HLS™) and phase correction coating P40			
Diopter compensation	±4 Dioptr.			
Operating temperature	-25° to +55°			
Storage temperature	-40° to +85°			
Waterproofing	0.5 bar (up to approx. 5 m water depth)			
Housing	magnesium housing with titanium axle, BR-models rubber-armored			
Dimensions (W[1] x H[2] x D[1])	121x67x147 mm (BR) 121x63x146 mm (BL)	125x70x183 mm	125x70x178 mm	125x70x183 mm
Weight	approx. 765 g/695 g (BR/BL)	approx. 1010 g	approx. 1010 g	approx. 1050 g

[1] With eyebase set to 65 mm
[2] With eyecups screwed in

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Leica Customer Service
For service of your Leica equipment and in case of neccessary repairs please contact the customer services of Leica Camera AG or of any national Leica agency (see Warranty Card for address list). Ask your authorized dealer and Leica specialist for advice.

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