



AMPLUS 6
Instruction manual

FOREWORD

Dear customer,
we wish you a great deal of enjoyment and every success with your new Leica product.

Please read this manual to familiarize yourself with the full scope of functions your product has to offer.

Please use this product only as described in this manual. Only then can safe and easy operation be guaranteed.

Your Leica Camera AG

Please read the chapters “Safety Remarks” and “Important Information” before using the product for the first time. Knowledge of the content will prevent inadvertent damage to the product, possible injuries and other risks.

SCOPE OF DELIVERY

The standard scope of delivery* contains the following:

- Rifle scope
- Transport cover
- Test certificate
- 1 lithium coin battery (CR 2032)
- Lens cloth
- Safety information
- Accessory brochure "Hunting"

REPLACEMENT PARTS/ACCESSORIES

Contact Leica Customer Care or your specialist Leica retailer for details on the latest spare parts/accessory range:

<https://en.leica-camera.com/Stores-Dealers/Leica-dealer-locator>

*The actual scope of delivery may vary depending on model.

LEGAL INFORMATION

REGULATORY INFORMATION

You will find the manufacturing date of your product on the stickers on the packaging. The date format is year/month/day.

DISPOSAL OF ELECTRICAL AND ELECTRONIC EQUIPMENT

(Applies within the EU and for other European countries with segregated waste collection systems.)



This device contains electric and/or electronic components which must not be disposed of in general household waste! Make sure to bring this device to a local disposal collection point for recycling. This service is free of charge. Any standard or rechargeable batteries used in this device must be removed and disposed of separately in accordance with local regulations.

Please contact your local authorities, waste disposal collection point or the retailer, from whom you purchased the device for more information on correct waste disposal.

SAFETY REMARKS

GENERAL INFORMATION

- Keep the device out of the reach of small children.
- Do not use the device while walking! You might trip and fall.
- Do not attempt to disassemble or modify the device; exposing the internal electronics may cause damage, injury or electric shock.
- The rifle scope should be mounted with the eye relief distance provided to prevent injury to the brow from the recoil of the eyepiece (see technical information for measurements).

BATTERY

- Only the battery type stated and described in this manual must be used. Any improper use of the batteries or the use of unapproved battery types may result in an explosion!
- Do not expose the battery to sunlight, heat, humidity or moisture for prolonged periods of time. It must not be placed in a microwave oven or a high-pressure container as this would pose a fire or explosion hazard!
- Never dispose of batteries in fire and never attempt to heat, recharge, dismantle or break open a battery.
- Batteries must always be stored out of the reach of children. Do not leave batteries lying around, as they could be swallowed by children or pets.

IMPORTANT INFORMATION

- Protect the device against any kind of shocks that are not caused by the weapon.
- Damaged sealing rings must be replaced.
- Do not attempt to take the device apart yourself. Repairs must only be carried out in authorized workshops.
- Make a note of the serial number of your device, as this information will be extremely important in case of loss.
- Depleted batteries must never be disposed of in household waste as they contain toxic materials that are harmful to the environment. Battery collection points are provided at most large retail outlets; alternatively, you can dispose of old batteries at a local special waste collection point to ensure correct recycling.
- Remove the battery from the housing if you will not be using the product for an extended period of time.
- Do not use excessive force when making adjustments via the setting turrets.
- Low temperatures impair battery performance. Carry the device close to the body in cold conditions and use a fresh battery.
- Make sure to store the batteries in a cool, dry place.
- Do not touch the glass surfaces with your fingers, especially if you have previously applied hand cream, insect repellent, etc. These substances may contain chemicals that damage or destroy the coatings on the glass surfaces.

WARRANTY

In addition to your statutory warranty rights with regards to the seller, Leica Camera AG offers a 10-year warranty for the optics and housing of this Leica rifle scope, as well as a 2-year warranty for the electronics as stated in the conditions below. The Leica warranty does not impact on any statutory consumer rights in accordance with relevant national law or any consumer rights vis-a-vis the retailer arising from the purchase contract concluded between them.

WARRANTY CONDITIONS

By purchasing this Leica accessory, you have acquired a product that is manufactured in compliance with special quality standards, and which was thoroughly tested at each individual production step by experienced specialists. Our ten-year warranty for this product commences on the date of sale by an authorized retailer under the following conditions:

1. In case of a complaint due to a manufacturing fault, we will assume all material costs during the warranty period. We will additionally cover all required labor costs during the first five years. We shall decide at our own discretion to repair the faulty product, to replace faulty parts or to replace the entire product with a faultless product of the same type. All other claims of any kind and on whatever legal basis shall not be accepted in connection with this warranty.
2. Wear parts like eyecups, leather details, armoring, carry straps and accessories are exempt from the warranty. The same applies for surface damage.
3. Any warranty claims become void if the defect in question is a result of improper handling – which also includes the use of third-party accessories – or if the product was manipulated by

unauthorized persons or workshops or if the serial number of the product was rendered illegible.

4. Warranty claims can be submitted only in conjunction with the original proof of purchase – complete with the date of purchase, as well as the address and signature of an authorized retailer.
5. In case of a warranty claim, please send the Leica product, the original proof of purchase and a description of the fault to Leica Camera AG Customer Care or a Leica regional subsidiary.

PICK-UP SERVICE FOR REPAIR SUBMISSIONS

(Applies for EU only)

We will organize the shipping of your device to our Customer Care department if you should notice a problem with your device during the warranty period. Please contact our service hotline to make the necessary arrangements (+49 (0)6441 2080 189). Our pick-up service will collect your Leica product at the agreed time from your premises free of charge and transport it to our Customer Care location for evaluation.

Contact: en.leica-camera.com/Contact

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Definition of the various categories of information found in this manual

Note

- Additional Information

Caution

- Non-compliance may result in damage to the device and accessories
- Non-compliance may result in personal injury

Warning

- Non-compliance may result in serious injury or death

FCC Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:

To assure continued compliance, follow the attached installation instructions and use only shielded interface cables with ferrite core when connecting to computer or peripheral devices. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Declaration of Conformity

Trade Name: Leica

Type No.:

AMPLUS 6 1-6x24i

AMPLUS 6 2.5-15x50i

AMPLUS 6 2.5-15x56i"

Responsible party/

Support contact: Leica Camera Inc.

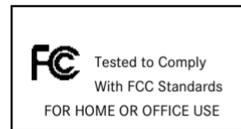
1 Pearl Court, Unit A

Allendale, New Jersey 07401

Tel.: +1 201 995 0051

Fax: +1 201 995 1684

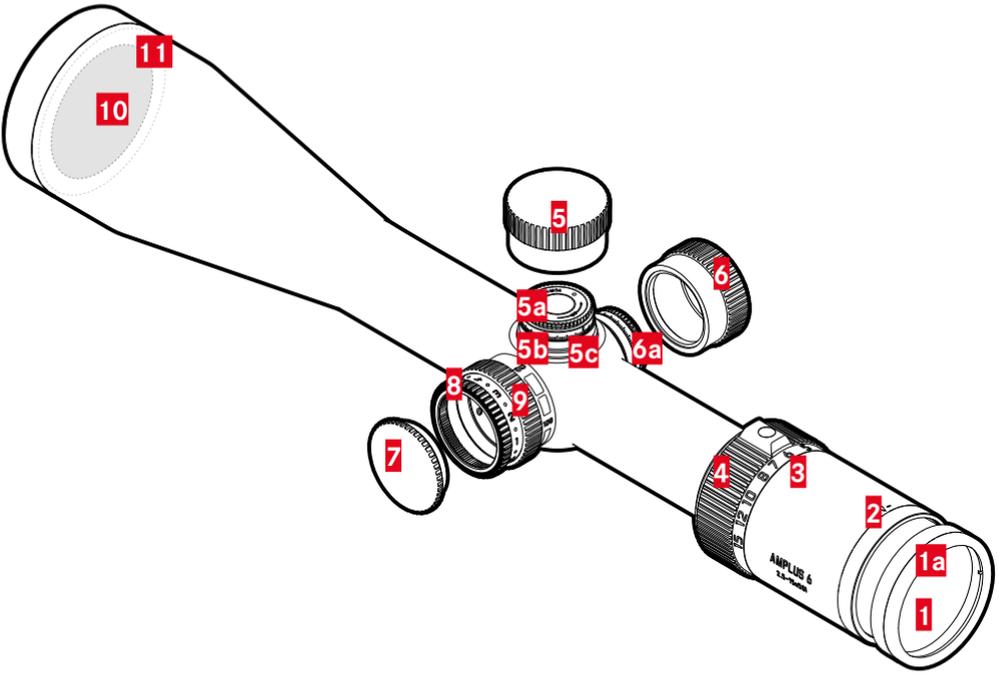
technicalinfo@leicacamerausa.com



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**FOR CANADA ONLY:
CAN ICES-3 (B)/NMB-3(B)**

PART DESIGNATIONS



- 1** Eyepiece
- a** Eyecups (rotating)
- 2** Index for diopter setting
- 3** Index for magnification setting
- 4** Magnification adjustment ring
- 5** Elevation adjustment turret cover
- a** Knurled wheel
- b** Scale
- c** Index
- 6** Lateral adjustment turret cover
- a** Knurled wheel
- 7** Battery compartment cover
- 8** Illumination adjustment ring
- 9** Parallax compensation adjustment ring
- 10** Lens
- 11** Filter thread

Caution

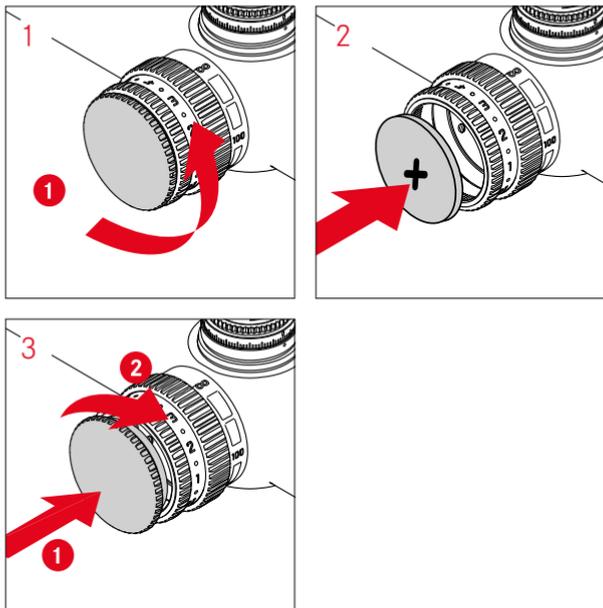
Never look directly at the sun or other bright sources of light through your Leica optics! Doing so may seriously damage your eyes!

Warning

Make sure the weapon is not loaded before doing any work or changing settings on the rifle scope and before changing batteries.

PREPARATIONS

INSERTING/CHANGING THE BATTERY



MOUNTING

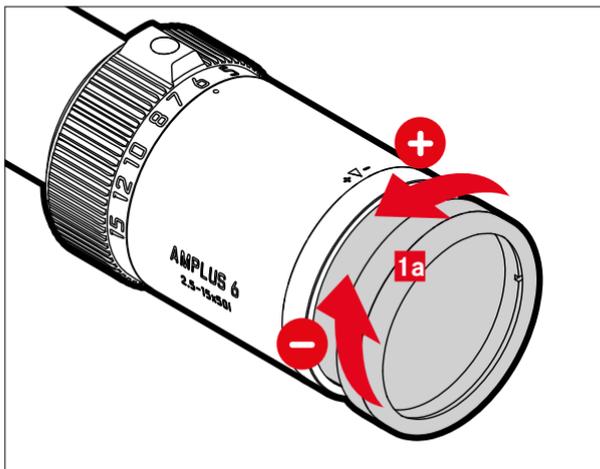
The first prerequisite for a robust point of impact is the correct mounting of the rifle scope on the weapon. A wide selection of mounting parts are available from specialist retailers. We recommend using only high-quality parts from renowned manufacturers that match the quality characteristics of your Leica rifle scope. You can mount the device yourself, but you will have to ensure a perfectly aligned and tension-free structure. Leica strongly recommends contracting a specialist workshop.

Caution

- We recommend gluing the lower mounting ring to prevent any travel of the rifle scope within the ring mount.

DIOPTER SETTINGS

The viewfinder has a diopter setting function with a range between +1 and -3 diopter to allow glasses wearers the use of the Leica rifle scope without eyeglasses (diopter compensation).



- ▶ Aiming at a distant object
- ▶ Turn the eyecup **1a** until the object is perfectly in focus

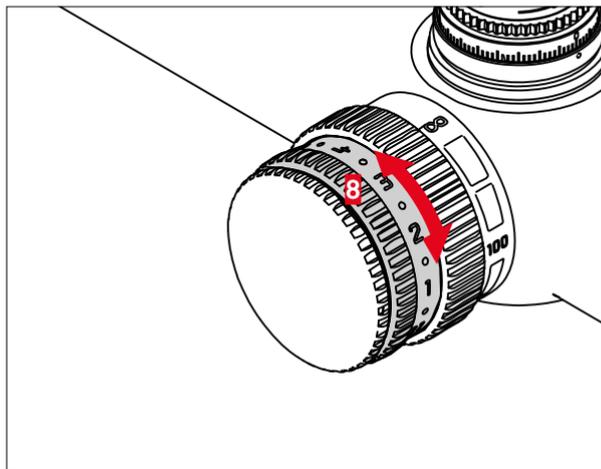
SETTINGS AND OPERATION

SETTING THE ENLARGEMENT

- ▶ Turn the magnification adjustment ring **4**
 - higher magnification = to the right
 - lower magnification = to the left

SETTING THE LUMINOUS RETICLE

Reticle illumination is switched On or Off via the adjustment ring **8**. The brightness of the illuminated dot can be adjusted in multiple increments.



- ▶ Turn the setting wheel **8**
 - Level •: off
 - Level **1-5**: at night/twilight
 - Level **6-11**: in daylight

ADJUSTING THE POINT OF IMPACT

A calibration of the reticle to the weapon will be required in case of an offset of the point of impact. The procedure is the same on both setting turrets (elevation: **5**, lateral **6**).



- Point of impact too high
(downward correction required)
- ▶ Turn the knurled wheel **5a** in clockwise direction



- Point of impact too low
(upward correction required)
- ▶ Turn the knurled wheel **5a** in anti-clockwise direction



- Point of impact too far left
(correction to the right required)
- ▶ Turn the knurled wheel **6a** in anti-clockwise direction



- Point of impact too far right
(correction to the left required)
- ▶ Turn the knurled wheel **6a** in clockwise direction

ZEROING THE TURRET SCALES

The procedure is the same on both setting turrets (elevation: **5**, lateral **6**).

- ▶ Adjust the point of impact (see p. 13)
- ▶ Unscrew and remove the cover of the ballistic turret **5/6**
- ▶ Lift the knurled wheel **5a/6a**
- ▶ Turn **0** positions back to index
- ▶ Push down gently on the knurled wheel **5a/6a** until it clicks into place
- ▶ Replace the cover of the ballistic turret **5/6**

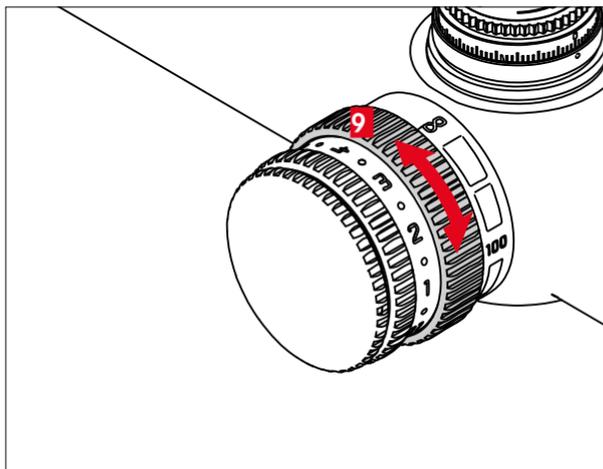
Note

- Once you have done your adjustments on knurled wheels, you can get back to the basic setting for the firing distance after any change to the point of impact by simply going back to the **0** positions, without having to remember or note down anything.

PARALLAX COMPENSATION

Leica rifle scopes with a maximum magnification of 12x are adjusted parallax-free up to a range of 100 m, so that you can see the reticle and the target at the chosen distance in perfect focus concurrently.

Any deviations in the point of impact with the eye not perfectly centered are generally negligible.



With larger magnifications, however, these deviations must be taken into consideration. That is why rifle scopes with magnification ranges above 12x have parallax compensation.

- ▶ Turn the adjustment ring  until the image of the target appears in perfect focus
 - We recommend using the highest magnification for the most accurate settings.
 - An optimum adjustment is achieved when reticle and image no longer move relative to one another when you change the position of your eye over the eyepiece.

LEICA BALLISTIC CALCULATOR

We recommend using the Leica Ballistic Calculator to take full advantage of the reticle quick adjustment.

Taking into account relevant parameters like firing distance, line of sight height, temperature and elevation, the Leica Ballistic Calculator can calculate the trajectory for virtually any ammunition.

The Ballistic Calculator can be found here:

ballistictool.leica-camera.com

LEICA BALLISTIK RECHNER

NEUE KONFIGURATION ERSTELLEN

Profilname:

DATENBANK-KONFIGURATION

Bitte kein angebotener ballistischer Datensatz Ihrer Leiberung entsprochen. Begeben Sie die Möglichkeit Ihre Daten individuell zu erzeugen.

Kaliber **Achtung:** Überprüfen Sie die tatsächliche Mündungsgeschwindigkeit oder den tatsächlichen Geschossschall Ihrer Waffe - Munition - Kombination, damit Sie absolute Präzision für die entsprechenden Schussentfernungen erreichen.

Horizont

Geschoss

Waffenhöhe

Munitionshöhe

Temperatur

Reichweite

Absoluter Luftdruck

Der einzugebende Dezimaltrenner (Punkt oder Komma) hängt von Ihrem Internet-Browser und Land ab. Meistens wird der Punkt "." als Dezimaltrenner akzeptiert. Die korrekte Eingabe wird durch einen grauen Rahmen des Eingabefeldes angezeigt. Andernfalls wird ein roter Rahmen angezeigt.

CARE/CLEANING

- Your Leica product requires no special care.
- Coarse dirt particles like sand should be removed with a soft brush or simply blown off.
- Fingerprints, etc. on front lenses and eyepiece lenses can be pre-cleaned with a damp cloth and then wiped dry with a clean leather or lint-free cloth.
- The device should be stored in a well-ventilated, dry and cool place to prevent fungal growth (particularly important in humid climates).
- Do not use alcohol or chemical cleaning solutions on the optics or housing.
- Do not use excessive force when cleaning a severely soiled lens surface. The coating is abrasion resistant, but not impervious to sand or salt crystals.
- The housing should be cleaned using a damp leather cloth only. Using a dry cloth may cause friction, which may result in a static discharge.
- Always rinse off any traces of salt water! Dried salt crystals could damage the surfaces.

LEICA HUNTING APP

You can create and store your personal ballistics profiles with the Leica Hunting app. You will have to install the Leica Hunting app on a mobile device.

- ▶ Scan the following QR code with the mobile device

for iOS:



for Android:



or

- ▶ The app is available from Apple App Store™/Google Play Store™

TECHNICAL DATA

Leica Amplus 6	1-6x24i	3-18x44i	2.5-15x50i	2.5-15x56i
Lens diameter	24 mm	44 mm	50 mm	56 mm
Magnification	1 to 6x	3 to 18x	2.5 to 15x	
Zoom ratio	6			
Exit pupil max./min.	12.2 - 4.2 mm	7.3 - 2.4 mm	11.6 - 3.4 mm	11.6 - 3.7 mm
Field of view max./min. (100 m)	38 - 6.3 m	12.4 - 2.1 m	15 - 2.8 m	14.8 - 2.5 m
Illuminated dot size (L-4a)	0.6 cm/100 m	0.6 cm/100 m	0.6 cm/100 m	0.6 cm/100 m
Number of brightness levels	10			
Eye relief	>90 mm			
Light transmission	>90 %			
Reticle image plane	2.			
Available reticles	L-4a	L-Ballistic MoA	L-4a, L-Ballistic	
Lens coating	Aqua Dura®			
Diopter compensation	-3/+2 dpt			
Parallax-free	-	setting range 20 m - ∞	setting range 20 m - ∞	setting range 20 m - ∞
Center tube diameter	30 mm			
Length	260 mm	303 mm	380 mm	
Weight	480 g	670 g	700 g	730 g
Mountings	Rings			
Max. adjustment track elevation/lateral (cm/100 m)	300 x 300 cm	230 x 230 cm	150 x 150 cm	180 x 180 cm
Impact point correction / click (cm/100 m)	1 cm (0.1 mil / 0.1 mrad)	1/4 MoA	1 cm (0.1 mil / 0.1 mrad)	1 cm (0.1 mil / 0.1 mrad)
Filter thread on lens side	M28 x 0.6 mm	M48 x 0.6 mm	M58 x 0.6 mm	M62 x 0.6 mm
Impermeability (nitrogen-filled)	4 m water depth			
Reticle lighting	Point			
Power supply	CR2032 - lithium coin battery, nominal voltage 3V, capacity: 230 mAh			

LEICA CUSTOMER CARE

Please contact Leica Camera AG Customer Care for the maintenance of your Leica equipment and for help and advice regarding Leica products and how to order them. You can also contact the Customer Care department or the repair service provided by your regional Leica subsidiary for repairs or warranty claims.

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