



A M C R E S T

Amcrest 10 x 42 Binoculars

AM-B1042-B

User Manual

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Welcome

Thank you for purchasing an Amcrest AMB-1042-B!

Whether your interest is in sports, bird watching, nature, wildlife, hunting, or other activities these binoculars offer the finest optical quality to fit your needs.



WARNING: To avoid the risk of eye damage or blindness, never look at the sun or other intense light sources when using the binoculars.

1 Overview

1.1 Binoculars Features

These binoculars have the following features:



1.	Ocular Lens – Used to magnify the image provided by the objective lens. Use this piece to look through during target acquisition.
2.	Objective Lens – Lens on the front of the binoculars used to provide an image to the ocular lens during target acquisition.
3.	Center Focus Wheel – Used to focus and adjust image during target acquisition.
4.	Strap Harness – Used to house the strap for the binoculars.
5.	Diopter Adjustment Ring – Compensates for differences between the eyes when in use. Assists to maintain the two barrels of the device in proper relation to your specific IPD. For more information about IPD, refer to <i>section 1.3.1. IPD Adjustment</i> .

1.2. Assembly

Your binoculars will come equipped with the following items: The binoculars, a protective carrying case, a phone adapter for digiscoping, a strap, and cleansing cloth. For best results it is recommended to maintain your binoculars and ensure the objective lens is free from debris or obstructions.

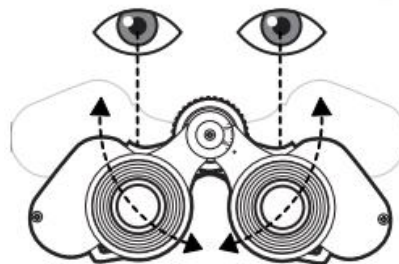
1.3. Basic Use

This section will show the user how to adjust and properly use their binoculars.

1.3.1. IPD Adjustment

The distance or spacing between the center of the pupils is called the “interpupillary distance” or “IPD” for short. The IPD will vary from person to person, however, to adjust the binoculars to match your eyes, follow these simple steps:

- Hold the binoculars a normal viewing position.
- Grasp each barrel firmly and move them closer together or further apart until you see a single circular field.
- Always reset your binoculars to an optimal position before using it.



1.3.3. Adjusting the Focus

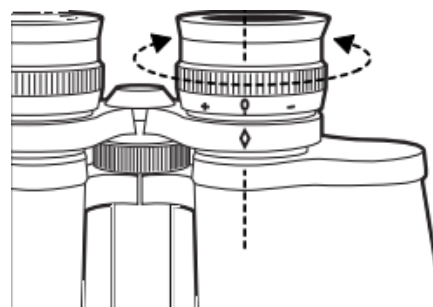
After the IPD for your binoculars has been set you can begin adjusting the focus of the image. The image can be adjusted by the focus wheel located in the center of your binoculars. To begin adjusting the image, follow these simple steps provided below.

- Close your right eye and view an object with your left eye. Focus on the object by rotating the center focus wheel until the image is sharp and clear.
- Open your right eye and close your left eye. Rotate the right eyepiece until the object sighted is sharp and clear

1.3.3.1. Diopter Adjusting

The diopter ring, located on the ocular lens eyecup of your binoculars, is there to help compensate for the differences between the eyes when using your binoculars. It is there to assist in maintaining the two barrels of the device in proper relation to your specific IPD. For steps on how to adjust your diopter settings, refer to the steps provided below.

- Set the rings located on the eyecup to the zero position. To set the rings to the zero position move the rings clockwise until it is flush with the binoculars.
- Using a lens cover, or your hand, cover the objective lens (front) lens



1.3.4. Instructions for Care

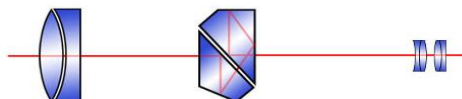
Maintaining your binoculars is good practice to help ensure the effectiveness of your experience. For more information on how to best care for your scope refer to the helpful tips below:

- Keep the lens covers, that come with your binoculars, on the lenses when you are not using your binoculars.
- When wiping the lenses, use a soft lens cloth or soft, lint-free, cloth.
- To remove any remaining dirt or smudges, add one or two drops of isopropyl alcohol to the cloth.
- Store your binoculars in a moisture-free area

WARNING: To avoid the risk of eye damage or blindness, never look at the sun or other intense light sources when using the binoculars.

1.4. Roof Prisms

These binoculars feature a built-in BK-4 Roof prism for optimal coverage. There are two prisms in a roof prism assembly which can be optically superior to porro prisms with its quality phase-corrected mirrors and coatings.



With roof prisms, light enters in the objective lens through the two prisms located in the roof assembly. The light path then leads through a course of six reflections which produces a horizontally and vertically erect image. Light then exits the binocular through the eyepiece in the same straight line that it entered in the objective lens. Since all this happens in a straight line, it provides for a more compact, streamlined, and overall superior binocular.

1.4. Technical Specifications

Model: AM-B1042-B	
Magnification	10x
Eye Width (IPD)	56mm ~ 72mm
Field of View	315ft (105m)
Angle of View	6°
Eye Relief	16.5mm
Exit Eye Pupil Diameter	4.2mm
Objective Lens Diameter	43mm
Close Focus Distance	13.12ft (4m)
Coating Type	Fully Multi-coated
Weight	540g (1.19lbs)
Prism System	Roof (BAK-4 Prisms)
Eyecups	Twist-up
Product Size	120mm x 52mm x 145mm (4.72" x 2.05" x 5.71")

2 Digiscoping

What is Digiscoping?

Digiscoping is the practice of shooting digital photos or videos through your binoculars. The binoculars magnify the target image for the camera, just as it magnifies the target image during visual use. These binoculars allow for the use of digiscoping through the utilization of a universal phone adapter.

2.1. Universal Phone Adapters

The Amcrest AM-B1042-B comes with a compatible universal phone adapter. To utilize the phone adapter with your binoculars, please follow the instruction set listed below.

2.1.1. Installing a Universal Phone Adapter

 A black universal phone adapter is shown next to a rose gold smartphone. A red arrow points from the center hole of the adapter towards the camera lens on the back of the phone.	 The phone adapter is now attached to the back of the smartphone. A red arrow points to the tightening screw on the center of the adapter, indicating it should be turned to secure the phone.
 The phone is secured in the adapter. A red arrow points to the tightening screw on the side of the phone clamp, indicating it should be turned to secure the phone to the adapter.	 The phone adapter assembly is being attached to the ocular lens of a pair of black binoculars. A red arrow points from the binoculars towards the adapter, and another red arrow points down the length of the phone, indicating the orientation.
1. Align the center hole of the phone adapter to the camera located on the back of your phone.	2. Use the tightening screw to secure the center hole of the phone adapter to the camera.
3. Use the tightening screw on the side of the phone clamp to secure your phone to the adapter.	4. Attach the adapter and phone to the binoculars and turn the adjustment cap to the right to secure it to the ocular lens of the binoculars. To loosen turn the cap to the left.

	
5. Tighten every screw on the adapter to make sure everything is secured onto the binoculars.	6. Use your phone to record, zoom in or zoom out on a target.

Appendix A: Toxic or Hazardous Materials or Elements

Component Name	Toxic or Hazardous Materials or Elements					
	Pb	Hg	Cd	Cr VI	PBB	PBDE
Sheet Metal(Case)	○	○	○	○	○	○
Plastic Parts (Panel)	○	○	○	○	○	○
Circuit Board	○	○	○	○	○	○
Fastener	○	○	○	○	○	○
Wire and Cable/Ac Adapter	○	○	○	○	○	○
Packing Material	○	○	○	○	○	○
Accessories	○	○	○	○	○	○

O: Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.

X: Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T11363-2006 standard. During the environmental-friendly use period (EFUP) period, the toxic or hazardous substance or elements contained in products will not leak or mutate so that the use of these (substances or elements) will not result in any severe environmental pollution, any bodily injury or damage to any assets. The consumer is not authorized to process such kind of substances or elements, please return to the corresponding local authorities to process according to your local government statutes.

Note:

- **This user manual is for reference only. Slight differences may be found in the user interface.**
- **All the designs and software here are subject to change without prior written notice.**
- **All trademarks and registered trademarks mentioned are the properties of their respective owners.**

References and Contact Information

To contact Amcrest support, please do one of the following:

Visit <http://amcrest.com/contacts> and use the email form

Call Amcrest Support using one of the following numbers:

Toll Free US: (888) 212-7538

International Callers (Outside of US): +1-713-893-8956

USA: 713-893-8956

Canada: 437-888-0177

UK: 203-769-2757

Email Amcrest Customer Support support@amcrest.com

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