

OWNER'S MANUAL
ALEXANDER BRASS TELESCOPE
ZHUMELL ALEXANDER BRASS TELESCOPE



zhumell
your world within reach



Zhumell customers know that there are plenty of ways to experience the world. They also understand that, however you choose to explore it, the best experience is one that fully immerses you in the world's most striking details.

That's where our optics products come in. We strive to put high-performance products in the hands of our customers so that they can experience the world up close, with their own eyes.

With Zhumell, you get field-tested, precision-crafted optics at the best possible value. So even if you're just starting out as an amateur birder or astronomer, you don't have to settle for entry-level products. Zhumell customers enjoy life's pursuits, hobbies, and adventures in rich, colorful detail- the kind of detail that only high-performance optics can produce.

At Zhumell, we design our binoculars, telescopes, and spotting scopes for discerning, price-conscious users who are uncompromising on quality. If you're looking for accessibly priced optics that will bring your world within reach, you're looking for Zhumell.

Enjoy the view.

ENJOYING YOUR ZHUMELL BRASS TELESCOPE

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CARING FOR YOUR ZHUMELL BRASS TELESCOPE

Zhumell telescopes are precision astronomical instruments designed for ease of use and versatility in their application. Your Zhumell Brass Telescope is built with the highest-quality optics and top-notch construction to provide years of reliable functionality, but will require proper care.

If, after reading this manual, you still have questions about your Zhumell telescope, please visit <http://www.zhumell.com> for more helpful tips and contact information. Our customer service representatives are available to address any problems you encounter with your telescope. Please let us know about your experiences; we would like to hear your feedback.

Enjoy your Zhumell.

WARNINGS

- Do not use telescope to look at the sun without an appropriate solar filter. Doing so will cause permanent and irreversible eye damage.
- Make sure no screws are loose before using telescope.
- Do not drop or shake your telescope as doing so may damage the optics or harm you or the people around you.

CARING FOR YOUR ZHUMELL BRASS TELESCOPE

CLEANING AND MAINTENANCE

A telescope is carefully aligned during construction, and great care should be taken to maintain this alignment over the life of the telescope. Cleaning should be done as little as possible and then only with mild soap solution and a soft, lint-free cloth. Do not rub elements when cleaning. Blot optical components gently and allow telescope to air dry. Store your telescope in its box or in a telescope case when not in use. Do not use pure alcohol or solvents to clean any parts of the telescope. Do not remove optical elements from the telescope as doing so may affect the alignment of optical components when reassembled. If telescope needs realignment, contact Zhumell or another professional.

- Brush telescope optics with camel-hair brush or blow off dust with an ear syringe (can be purchased at any pharmacy). Do not use a commercial photographic lens cleaner.
- Remove organic materials (e.g. fingerprints) with short gentle strokes using soft white tissue paper and a solution of three parts distilled water and one part isopropyl alcohol. You may also add one drop of biodegradable dish soap to one pint of the homemade solution. Do not use lotioned or scented tissues as they could damage the optics of your telescope.
- Wipe down the outside of your telescope with a dry cloth to remove condensation prior to packing up your telescope. Do not wipe any of the optical surfaces. Instead, allow the optics to dry naturally in warm indoor air prior to packing up your telescope.
- Protect your telescope from excessive heat. For example do not store your telescope in a sealed car on a warm day. Excessive storage temperatures can damage your telescope.

SPECIFICATIONS FOR YOUR ZHUMELL BRASS TELESCOPE

Aperture (mm)	60
Magnification	20-60x
Optical Tube Length (in.)	20
Tripod Height	52
Optical Design	Refractor
Mount Design	Alt-Az

SETTING UP YOUR ZHUMELL BRASS TELESCOPE

PARTS LIST

Optical Tube Assembly with Arc Mount, Legs (3), Leg Pivot Bolts (3), Plastic Washers (12), Tripod Chain

1. Remove all the pieces from the box. Keep them within reach.
2. There are (3) brass pivot bolts located on the bottom of the arc mount. Remove one nut from the end of each brass pivot bolt and pull it out. Remove the plastic washers from the bolts.
3. With the optical tube assembly and arc mount lying sideways on the floor, attach the legs one at a time.
 - a. Place the brass top of the leg over the holes where the pivot bolts were.
 - b. Placing plastic washers between all connection points, thread the pivot bolt back through the mount and leg assembly and re-attach the nut.
 - c. Repeat on all three legs. Be sure that all the nuts are secure before moving on.
4. Extend the legs the desired length and tighten securely.

SETTING UP YOUR ZHUMELL BRASS TELESCOPE

5. Carefully lift the optical tube assembly and legs until the entire telescope is in standing position. Spread the legs as far as the chain will allow and double-check that all connections are secure. Your Zhumell Brass Telescope is ready to use.

ADJUSTING THE ANGLE OF YOUR ZHUMELL BRASS TELESCOPE

Adjusting the angle of your telescope, or pointing it at what you'd like to view, is simple. Follow these instructions accurately and securely adjust your telescope.

1. Only adjust the telescope one axis at a time. This will keep it secure on the other axis while you make the change.
2. To move the telescope up or down, loosen the flip-lever located on the right side of the arc-mount. Once you've set the scope where you want it, retighten the flip-lever to secure the telescope.
3. To turn the telescope on its horizontal axis, loosen the thumbscrew located near the base of the mount column. Once you've set the scope where you want it, retighten the thumbscrew to secure the telescope.
4. Always make sure that you've secured the telescope after making an adjustment.

FOCUS AND ZOOM YOUR ZHUMELL BRASS TELESCOPE

To focus the telescope, turn the copper focus knob located in front of the eyepiece. Do not force the focus knob as you may damage the focusing mechanism.

WARRANTY

Zhumell products are designed to provide you with the highest quality and best value available, which is why we're proud to offer a world-class warranty on all of our products. All Zhumell telescopes are covered by a 3-year no-fault warranty.

To obtain warranty service, the damaged equipment must be returned to Zhumell. Our Customer Care associates will be happy to assist you in completing this return to get your Zhumell in working order as quickly as possible. There is a \$25 surcharge associated with warranty returns to cover return shipping and handling.

For more information, contact information, and to download the Zhumell Warranty Return Form, please visit <http://www.zhumell.com>.