

ESLNB

Explore the Mystery of the Universe

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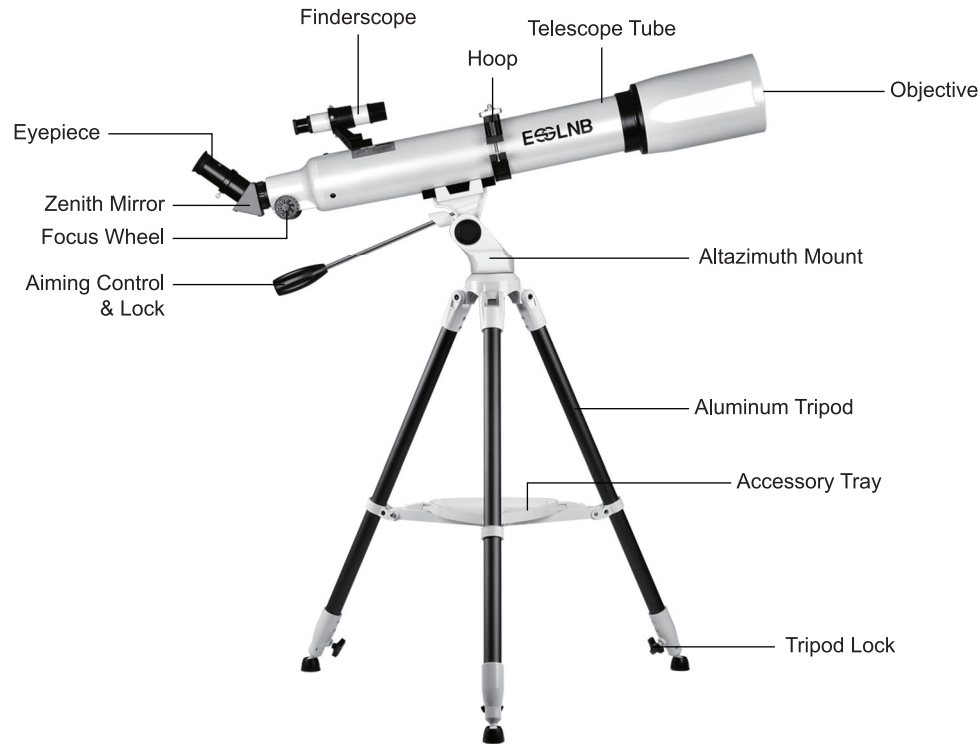
EXPLORE THE MYSTERY OF THE UNIVERSE



ESSLNB 70080 Telescope

Instruction Manual

TELESCOPE SPECIFICATION



Aperture:	80mm
Focal Length:	700mm
Focal Ratio:	f/8.8
Eyepiece:	K10mm, K25mm
Magnification:	28X-210X
Barlow Lens	3X
Finderscope:	5x24
Mount:	Altazimuth Mount
Optical Design:	Refractive
Optical Coating:	Holomembrane
Zenith Mirror 1.25":	45° Orthogonal Prism
Tripod:	Aluminum Tripod
Battery:	CR2032
Weight:	10.58lbs/4800g

ACCESSORY DETAILS

Telescope Accessories:

- ① 1x Telescope Tube
- ② 1x Aluminum Tripod
- ③ 1x Adjustment Handle
- ④ 1x K10mm Eyepiece
- ⑤ 1x K25mm Eyepiece
- ⑥ 1x Barlow Lens(3X)
- ⑦ 1x Zenith Mirror
- ⑧ 1x FinderScope(5x24)
- ⑨ 1x Accessory Tray
- ⑩ 1x Hoop
- ⑪ 1x Stargazing Phone Mount
- ⑫ 1x Phone Adapter
- ⑬ 1x Moon Filter
- ⑭ 1x Wireless Remote
- ⑮ 1x Sky Tonight APP Card
- ⑯ 1x Instruction
- ⑰ 1x Wireless Remote Instruction
- ⑱ 1x Warranty Card



① Telescope Tube



② Aluminum Tripod



③ Adjustment Handle



④ K10mm Eyepiece



⑤ K25mm Eyepiece



⑥ Barlow Lens(3X)



⑦ Zenith Mirror



⑧ FinderScope(5x24)



⑨ Accessory Tray



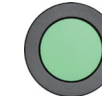
⑩ Hoop



⑪ Stargazing Phone Mount



⑫ Phone Adapter



⑬ Moon Filter



⑭ Wireless Remote



⑮ Sky Tonight APP Card



⑯ Instruction



⑰ Wireless Remote Instruction



⑱ Warranty Card

TELESCOPE INSTALLATION STEPS



1. Remove the tripod from the box. The tripod is pre-assembled with the warp beam table. Loosen the screws on the tripod legs and adjust to the required length, then tighten the screws.



2. Insert the centre shaft in the centre of the support bracket into the hole in the middle of the accessory tray (with the flat side of the accessory tray facing downwards), and then gently press down and rotate the accessory tray until it reaches the specified position.



3. Before you mount the optics barrel, tighten the pitch adjustment handle and rotary positioning knob on the warp beam table.



4. Remove the telescope main mirror tube and remove the packaging. Loosen the locking knob on the slot at the top of the warp table to prevent them from reaching inside the slot. Slide the dovetail guide seat into the slot on the top of the warp beam table. Tighten the locking knob on the slot on the top of the Warp Table to hold the telescope in its position.



5. Remember to remove the eyepiece dust cover.



6. Insert the tube of the zenith mirror into the fitting. Before mounting, make sure that the stop screw on the connector is too far in and remove the dust cap on the connector.



7. Select an eyepiece and place the end of the eyepiece into the zenith mirror to tighten the stop screw. Again, make sure that the stop screw in front of the inserted eyepiece does not extend into the zenith mirror during this process.



8. Slide the finderscope bracket into the dovetail slot on the telescope tube near the focuser. The window on the finder should be facing the front of the telescope.



9. Installation Complete.



10. Remember to open the objective cover. Allow your battery to work and remember to turn on the switch.



11. Turn the focus wheel while observing until the image is clear.

HOW TO USE THE 3X BARLOW LENS



1. Insert the 3X Barlow Lens into the focuser and tighten the set screw.



2. Insert the 25mm eyepiece into the 3X Barlow Lens.

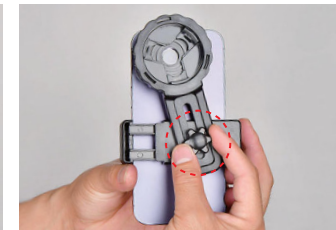


3. Tighten the eyepiece set screw.

HOW TO USE THE PHONE ADAPTER



1. Pull the adapter holder apart and put the phone on it.



2. Loosen the screw on the back of the adapter. Align the phone lens with the center of the adapter. Tighten the screw.



3. Combine the adapter with the eyepiece, rotate and fix the eyepiece.



4. Attach the combination into focuser.



5. Tighten the screw on the focuser to fix the eyepiece.



6. Turn on your cellphone. Adjust the focuser wheel for a clear vision.

HOW TO USE THE MOON FILTER



1. Rotate the moon filter into the end of the eyepiece.



2. Insert the eyepiece with the moon filter into the focuser.



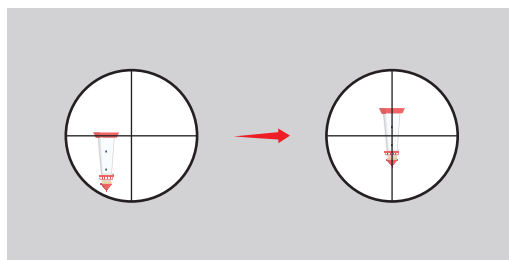
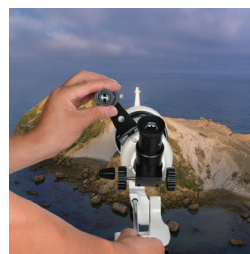
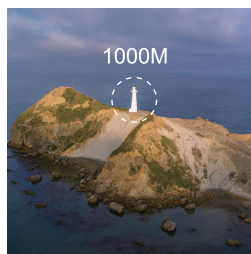
3. Installation is complete, you can filter the bright light and observe the surface of the moon more clearly.

HOW TO USE THE FINDERSCOPE

Accurately calibrating the finder scope will make it easier to find targets with the telescope, especially celestial objects. In order to calibrate the finder scope as best as possible, the calibration procedure should be performed during daylight hours when it is easy to locate and confirm targets. The finder scope has a flexible adjustment screw to apply pressure to the finder scope and two other screws to adjust the horizontal and vertical orientation.

1. Select a target about 1000 metres away. This will eliminate parallax between the telescope's primary mirror and the finder scope.
2. Loosen the locking screws of the azimuth and declination axes and point the telescope towards the target.
3. Place the target in the centre of the main mirror's field of view, you can turn the fine-tuning handle to make it in the centre of the field of view.
4. Adjust the screw on the right side of the finder bracket (viewed from the rear end of the finder) until the horizontal line of the finder's cross wire is placed in the centre of the target.
5. Adjust the screw on top of the finder bracket until the vertical line of the finder's cross filament is centred on the target.

The direction of the image observed through the finder-scope is reversed (i.e. up and down inverted, left and right reversed). This is normal for most telescope finders. It may take a little time for the user to become familiar with the direction of movement of the object in the finder when the screw is adjusted.



HOW TO USE THE SKY TONIGHT APP

1. Simply install our Sky Tonight APP and find stars.
2. Follow the App arrows to set telescope coordinates for easy targeting.
3. View star details.

! "Sky Tonight" APP designed by a famous Germany Technology company. It is a new powerful stargazing app and very easy to use!

CUSTOMER SERVICE SUPPORT

We want to ensure that your experience with a ESSLNB product is the best it can be. To make that happen we have a comprehensive technical and customer support available.

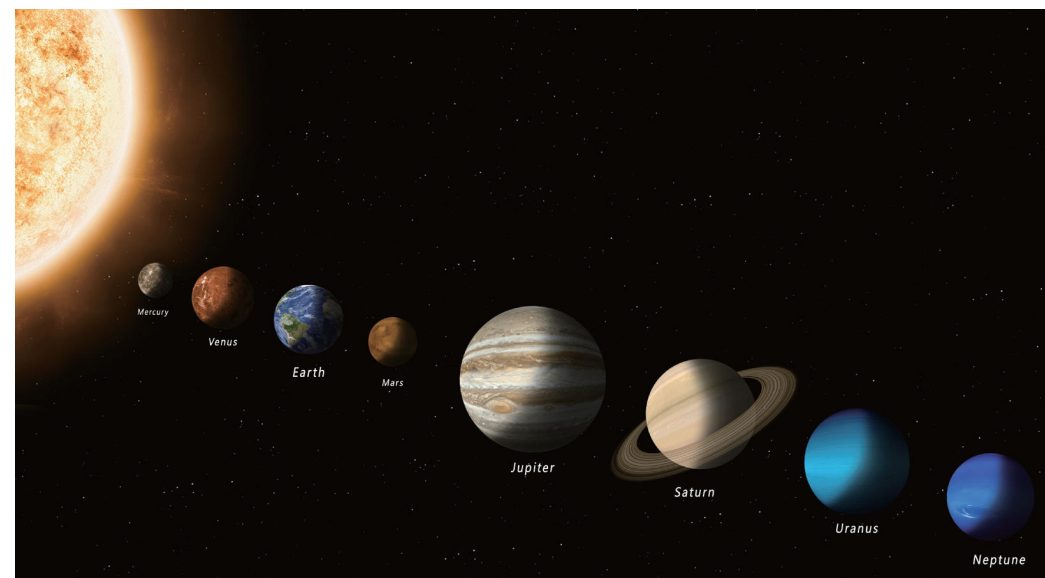
1. If any accessories are missing or damaged, please contact the our service team for help or replacement.
2. Please DO NOT hesitate to contact us, when you have any questions about our product.

CAUTION



- ▶ NEVER use your telescope to look directly at the sun. Permanent and irreversible eye damage may result.
- ▶ NEVER use an Eyepiece-type solar filter.
- ▶ NEVER use your telescope to project sunlight onto another surface, the internal heat build-up will damage the telescope's optical elements.
- ▶ NEVER leave your optic unsupervised. Make sure an adult who is familiar with the correct operating procedures is with your optic at all times, especially when children are present.
- ▶ Attention: Wind will cause the main tube to shake slightly.

MAP OF THE EIGHT MAJOR PLANETS IN THE SOLAR SYSTEM



FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.