

G-860WG

Galileo®



Instructions

G-860WG

FOR ADDITIONAL HELP
PLEASE VISIT:



WWW.COSMOSOPTICS.COM

IF YOU NEED ANY FURTHER HELP WITH YOUR GALILEO TELESCOPE
PLEASE CALL US @ 305-245-8444 MON-FRI 9AM - 5PM E.S.T
OR E-MAIL US AT CUSTOMERSERVICE@COSMOSOPTICS.COM

GALILEO G-860WG OPERATING INSTRUCTIONS

INTRODUCTION

THIS TELESCOPE HAS BEEN CORRECTED AGAINST CHROMATIC ABERRATION AND PRODUCED TO PRECISE SPECIFICATIONS.

PRIOR TO USING YOUR NEW GALILEO TELESCOPE, PLEASE READ THE FOLLOWING SETUP AND USAGE INSTRUCTIONS. IT IS IMPORTANT TO PROPERLY ASSEMBLE YOUR TELESCOPE IN ORDER TO ALLOW IT TO FUNCTION PROPERLY.

CONSIDER USING THE TELESCOPE FOR EARTH (TERRESTRIAL) VIEWING BEFORE ATTEMPTING TO VIEW ASTRONOMICAL OBJECTS. THIS WILL FAMILIARIZE YOU WITH HOW POWERFUL EACH EYEPIECE WILL BE, AS WELL AS INTRODUCING YOU TO THE FUNCTIONS OF YOUR ACCESSORY LENSES.

DUE TO THE DIAGONAL PRISM POSITIONED IN THE FOCUS HOUSING, THE IMAGE YOU SEE WILL ALWAYS BE RIGHT SIDE UP.

WE RECOMMEND YOU BEGIN WITH THE LOWEST POWER EYEPIECE, 25MM, WHEN USING YOUR TELESCOPE. AS YOU INCREASE THE POWER TO 10MM, YOUR POWER WILL BE HIGHER, BUT THE IMAGE WILL APPEAR DARKER; THIS IS DUE TO THE BASIC PHYSICAL PROPERTIES OF THE TELESCOPE. THE HIGHER THE POWER YOU USE THE DARKER THE IMAGE WILL APPEAR AND YOUR VIEWING FIELD WILL BE MORE NARROW.

PLEASE BE PATIENT WHEN USING YOUR TELESCOPE. IT IS A VERY SENSITIVE INSTRUMENT THAT IS CAPABLE OF USING HIGH POWERS. HOWEVER, THE MORE POWER YOU USE, THE MORE SENSITIVE THE TELESCOPE BECOMES. AS A RESULT, THE SLIGHTEST MOVEMENT OF THE TELESCOPE COULD CAUSE YOU TO LOSE THE IMAGE YOU HAVE IN YOUR EYEPIECE. PRACTICE WILL ENABLE YOU TO KNOW HOW MUCH MOVEMENT TO EXPECT WITH EACH EYEPIECE AND IT'S CORRESPONDING POWER.

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ACCESSORIES

A. FULLY ADJUSTABLE TRIPOD



B. EYEPIECES

25MM = 32X LOWEST POWER/BRIGHTEST IMAGE

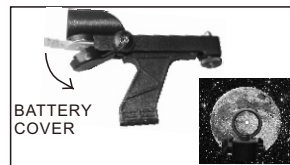
10MM PLOSSL = 80X HIGHER POWER/LESS BRIGHTEST



C. MARS-EYE ELECTRONIC FINDER:

USED TO LOCATE OBJECTS PRIOR TO
USING MAIN TELESCOPE.

PLEASE NOTE YOU MUST ALIGN THE
FINDER WITH THE MAIN TUBE PRIOR TO
INITIAL ASTRONOMICAL OR TERRESTRIAL USE.



D. ERECT IMAGE PRISM.

ALLOWS FOR AN OPTICALLY CORRECT UPRIGHT IMAGE
THROUGH YOUR TELESCOPE AT ALL TIMES.



E. ACCESSORY TRAY



F. THE STELLARIUM CD FREE DOWNLOAD LINK:

www.stellarium.org

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ASSEMBLY INSTRUCTIONS

CAUTION: NEVER POINT YOUR TELESCOPE AT THE SUN. VIEWING THE SUN WITH THIS TELESCOPE OR EVEN THE UNAIDED EYE CAN RESULT IN BLINDNESS OR OTHER SERIOUS EYE DAMAGE.

1. REMOVE PRE-ASSEMBLED TRIPOD

2. ADJUST TRIPOD TO PROPER HEIGHT BY LOOSENING, ADJUSTING AND TIGHTENING THE LOCKING KNOBS.



3. REMOVE TELESCOPE AND MOUNT FROM CARTON.
NOTE: THEY COME PRE-ASSEMBLED FROM THE FACTORY.

4. LOOSEN MOUNTING KNOB ON THE TELESCOPE MOUNT (UNDERNEATH)



5. PLACE THE TELESCOPE AND MOUNT ASSEMBLY ONTO THE TOP OF THE TRIPOD.



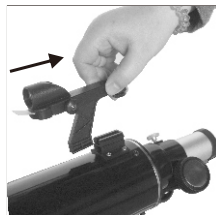
6. TIGHTEN LOCKING KNOB (UNDERNEATH THE TRIPOD TOP) SECURELY.

7. ATTACH ACCESSORY TRAY AS SHOWN.



8. ATTACH ELECTRONIC MARS-EYE FINDER.

9. ALIGN THE BOTTOM OF MARS-EYE FINDER TO THE GROOVE OF THE FINDER BASE, THEN SLIDE THE BOTTOM TO FINDER BASE.



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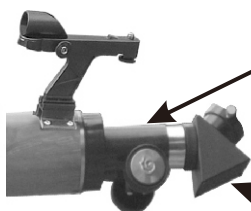
FEATURES OF G-860WG



HOW TO USE EYEPIECES & ACCESSORIES

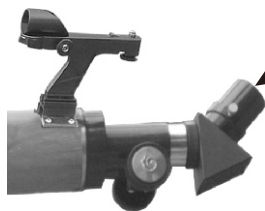
PROPER PLACEMENT OF THE EYEPIECES AND ACCESSORIES IS IMPORTANT IN ORDER TO ASSURE EASY OPERATIONS AND CLEAR VIEWING.

PLEASE USE THE ACCESSORIES IN THE FOLLOWING ORDER. BY DOING THIS, YOU WILL BETTER UNDERSTAND THE IMPACT EACH INDIVIDUAL ACCESSORY HAS ON THE FUNCTION OF YOUR TELESCOPE.



1) FOCUSING TUBE

TURN FOCUSING WHEELS TOWARD THE TELESCOPE UNTIL IT WILL NOT GO FURTHER. TO FOCUS BEGIN TO TURN THE FOCUSING KNOBS TOWARD YOUR BODY, SLOWLY, UNTIL THE IMAGE IS CLEAR. NOTE: YOU MUST HAVE AN EYEPIECE AND ERECT IMAGE PRISM INSERTED IN ORDER TO VIEW IMAGE.



2) ERECT IMAGE PRISM

INSERT THE ERECT IMAGE PRISM INTO THE FOCUSING HOUSING.

3) EYEPIECE INSERTION

AFTER THE ERECT IMAGE PRISM IS INSERTED, PLACE THE EYEPIECE (25MM) INTO THE ERECT IMAGE PRISM. THE LOWER THE NUMBER ON THE EYEPIECE, THE HIGHER THE POWER YOUR TELESCOPE WILL BE USING. PLUS, YOU DECREASE THE FIELD OF VIEW AND THE BRIGHTNESS OF YOUR IMAGE. WHEN USING EYEPIECES, WE SUGGEST ALWAYS STARTING WITH THE LOWEST POWER AND THEN GOING UP.

25MM IDEALLY SUITED FOR ALL TERRESTRIAL AND ASTRONOMICAL VIEWING.
10MM EYEPIECE IS RECOMMENDED FOR NIGHTS OF STEADY SEEING.

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MARS-EYE ELECTRONIC FINDER MOUNTING & ALIGNMENT

TO MOUNT:

- 1) REMOVE MARS-EYE ELECTRONIC FINDER FROM BOX.
- 2) LOOSEN THUMB SCREWS ON SIDE OF FINDER AND SLIDE FINDER ONTO DOVETAIL MOUNT LOCATED AT TOP OF MAIN TELESCOPE TUBE.
- 3) TIGHTEN THUMB SCREWS.

TO CHECK ALIGNMENT WITH MAIN TELESCOPE:(IMPORTANT!)

- 1) THE MARS-EYE ELECTRONIC FINDER IS NOT PRE-SET AT FACTORY. THE FOLLOWING WILL ALLOW YOU TO ADJUST THE ALIGNMENT.
- 2) DURING THE DAY LIGHT HOURS, AIM THE MAIN TELESCOPE AT AN OBJECT AT LEAST 1/4 MILE OR MORE IN THE DISTANCE AND BRING IT INTO FOCUS.(VERY IMPORTANT)
- 3) ONCE YOU HAVE CENTERED THE REFERENCE ITEM IN THE MAIN TUBE, TIGHTEN ALL KNOBS AND ADJUSTMENTS TO PREVENT ANY MOVEMENT.
- 4) REMOVE CIRCULAR BATTERY SAVER LOCATED BENEATH FRONT OF FINDER (BE SURE TO SAVE AND REPLACE THE BATTERY SAVER WHEN NOT IN USE.)
- 5) TURN FINDER ON BY SLIDING ON/OFF SWITCH FORWARD. ON/OFF SWITCH IS LOCATED ON THE RIGHT SIDE OF THE FINDER.
- 6) LOOK THROUGH THE FINDER AND LOCATE THE RED DOT.



- 7) IF THE OBJECT IN THE MARS-EYE FINDER IS NOT THE OBJECT YOU SEE THROUGH THE MAIN TELESCOPE TUBE, ADJUSTMENT IS REQUIRED.
- 8) TO MOVE THE RED DOT UP AND DOWN, SIMPLY TURN THE ELEVATION SCREW LOCATED ON THE REAR BOTTOM OF THE FINDER TO HEIGHT REQUIRED.
- 9) TO MOVE THE RED DOT LEFT AND RIGHT, SIMPLY TURN THE WINDAGE SCREW LOCATED AT THE FRONT LEFT SIDE OF THE FINDER TO THE PROPER POSITION.
- 10) THESE ADJUSTMENTS WILL ALLOW YOU TO POSITION THE RED DOT ON THE SAME OBJECT CENTERED IN THE MAIN TELESCOPE.



POWER CHART

EYEPiece	POWER
10MM	80X
25MM	32X

GETTING THE MOST FROM YOUR TELESCOPE

TAKE THE TIME TO BECOME FAMILIAR WITH YOUR NEW TELESCOPE. LEARN THE NAMES OF THE VARIOUS PARTS, WHERE THEY ARE LOCATED AND THEIR FUNCTION. IT IS BEST TO PERFORM THESE FUNCTIONS DURING THE DAY TIME.

WHEN SETTING UP FOR A VIEWING SESSION, PLACE THE TELESCOPE IN AN AREA SHELTERED FROM THE WIND IF POSSIBLE. THE BEST NIGHT TIME VIEWING WILL BE AWAY FROM CITY LIGHT AND WHEN THE ATMOSPHERE IS "STEADY".

WITH A LITTLE PRACTICE YOU WILL LEARN TO JUDGE WHEN VIEWING CONDITIONS ARE GOOD. LOOK FOR THE NIGHTS WHEN THE STARS SHINE BRIGHTLY WITH LITTLE OR NO TWINKLING.

USE LOW POWER TO TAKE ADVANTAGE OF THE WIDER FIELD OF VIEW AND BRIGHTER IMAGE. RESERVE YOUR HIGHER POWERS FOR THOSE NIGHTS WHEN VIEWING CONDITIONS ALLOW FOR DETAILED OBSERVATIONS.

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