

CC-JRME

Galileo[®]



1564 - 1642

Instructions

GALILEO CC-JRME 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 ERECT IMAGE PRISM POSITIONED IN THE FOCUS HOUSING, THE IMAGE YOU SEE WILL ALWAYS BE RIGHT SIDE UP, AND CORRECTED FROM LEFT TO RIGHT.

WE RECOMMEND YOU BEGIN WITH THE LOWEST POWER EYEPIECE, 20MM, WHEN USING YOUR TELESCOPE. AS YOU INCREASE THE POWER TO 6MM, 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.

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 THE 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 HIGH POWERS FOR THE NIGHTS WHEN THE VIEWING CONDITIONS ALLOW FOR DETAILED OBSERVATIONS.

ACCESSORIES

A. FULLY ADJUSTABLE ALUMINUM TRIPOD

B. EYEPIECES.

6MM=100X MOST POWER/ LEAST BRIGHTNESS
20MM=30X LOWEST POWER/BRIGHTEST IMAGE

C. 3X BARLOW.

USED TO INCREASE THE POWER OF ANY GIVEN EYEPIECE BY 300%. FOR EXAMPLE THE 20MM IS 30X POWER AND WITH THE 3X BARLOW IT IS 90X POWER

D. ERECT IMAGE PRISM.

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

E. ELECTRONIC MARS-EYE FINDER

ALLOWS FOR EASY SPOTTING OF OBJECTS.

GALILEO CC-JRME ASSEMBLY INSTRUCTIONS

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. REMOVE ELECTRONIC MARS-EYE FINDER.
8. USE THE TWO THUMB SCREWS TO POSITION THE ELECTRONIC MARS-EYE FINDER ON THE TELESCOPE TUBE. FOR ADDITIONAL HELP SEE THE PAGE IN YOUR INSTRUCTION BOOK FOR MARS-EYE ELECTRONIC FINDER MOUNTING AND ALIGNMENT.

FEATURES OF CC-JRME



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 DIAGONAL INSERTED IN ORDER TO VIEW IMAGE.

2) DIAGONAL PRISM

INSERT THE DIAGONAL PRISM INTO THE FOCUSING HOUSING.

3) EYEPIECE INSERTION

AFTER THE DIAGONAL IS INSERTED, PLACE THE EYEPIECE (20MM) INTO THE DIAGONAL 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.



4) BARLOW LENS

THE BARLOW LENS IS USED TO ACHIEVE THE MAXIMUM POWER FROM YOUR TELESCOPE. FIRST, REMOVE THE DIAGONAL PRISM FROM THE FOCUSING TUBE AND INSERT THE BARLOW LENS DIRECTLY INTO THE FOCUSING TUBE. YOU WILL HAVE TO READJUST YOUR FOCUSING DUE TO THE FACT THAT YOU HAVE INCREASED/DECREASED THE POWER OF YOUR TELESCOPE DRAMATICALLY.



EYEPIECE

20MM
6MM

POWER

30X
100X

POWER W/3X BARLOW

90X
300X

20MM IDEALLY SUITED FOR ALL TERRESTRIAL AND ASTRONOMICAL VIEWING.
6MM IS RECOMMENDED FOR NIGHTS OF STEADY SEEING.

MARS-EYE ELECTRONIC FINDER MOUNTING & ALIGNMENT

STEP 1-MOUNTING & ADJUSTING MARS-EYE FINDER

- A. REMOVE MARS-EYE FINDER FROM ACCESSORY BAG
- B. POSITION THE LARGE ENCLOSED END OF THE MARS-EYE TOWARD THE FRONT OF THE TELESCOPE. IF THE ON/OFF SWITCH IS TO YOUR RIGHT SIDE WHEN YOU ARE STANDING BEHIND THE TELESCOPE, THE MARS-EYE IS ON CORRECTLY.
- C. LOOSEN THE TWO "SLOTTED" KNOBS ON THE RIGHT SIDE OF THE MARS-EYE.
- D. SLIDE THE MARS-EYE ON THE MOUNT, ENSURING THAT BOTH SIDES OF THE MOUNTING BRACKET ON THE MARS-EYE IS FITTED TO THE MOUNT ON THE TELESCOPE. TIGHTEN YOU MAY WANT TO LINE UP THE FRONT END OF THE MOUNTING BRACKET ON THE MARS-EYE WITH THE FRONT END OF THE MOUNT ON THE TELESCOPE.



STEP 2 ALIGNING MARS-EYE FINDER

ALIGNING YOUR MARS-EYE FINDER IS RELATIVELY SIMPLE. HOWEVER, PLEASE BE PATIENT WHEN STARTING OUT. YOU WILL DISCOVER HOW THE RED DOT MOVES WHEN TURNING THE WINDAGE & ELEVATION KNOBS.

1. ELEVATION KNOB MOVES THE DOT UP & DOWN. IT IS LOCATED AT THE BACK OF THE MARS-EYE, ON THE BOTTOM.
2. WINDAGE KNOB MOVES THE DOT LEFT & RIGHT. IT IS LOCATED ON THE RIGHT SIDE, TOWARDS THE FRONT OF THE MARS-EYE.

WINDAGE ADJUSTMENT - MOVES RED DOT
RIGHT & LEFT



ELEVATION ADJUSTMENT - MOVES RED DOT
UP & DOWN



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