



WILLIAM OPTICS USA

Crafting the Earth's Finest Astronomical Instruments

CONTACT US

WILLIAM OPTICS USA

Toll Free: +1-866-918-6888 (For USA only)

Tel: +1-714-898-7989

Fax: +1-714-892-6067

web: www.william-optics.com

e-mail: wo@william-optics.com

www.william-optics.com

William Optics Corp.

Megrez 90 APO

INSTRUCTION MANUAL



Crafting the Earth's Finest Astronomical Instruments

Thank you for choosing a William Optics Megrez 90 APO.

This simple step-by-step instruction manual is designed to provide Megrez 90 APO owners with a better understanding of how to operate their new telescope by providing precise, updated information.

These instructions will also guide you through how to properly maintain the Megrez, and how to operate it at its maximum capabilities.

Please carefully familiarize yourself with your telescope's parts and functions before operating it for the first time.

WARNING!

DO NOT USE THIS TELESCOPE UNDER ANY CIRCUMSTANCES TO DIRECTLY VIEW THE SUN.

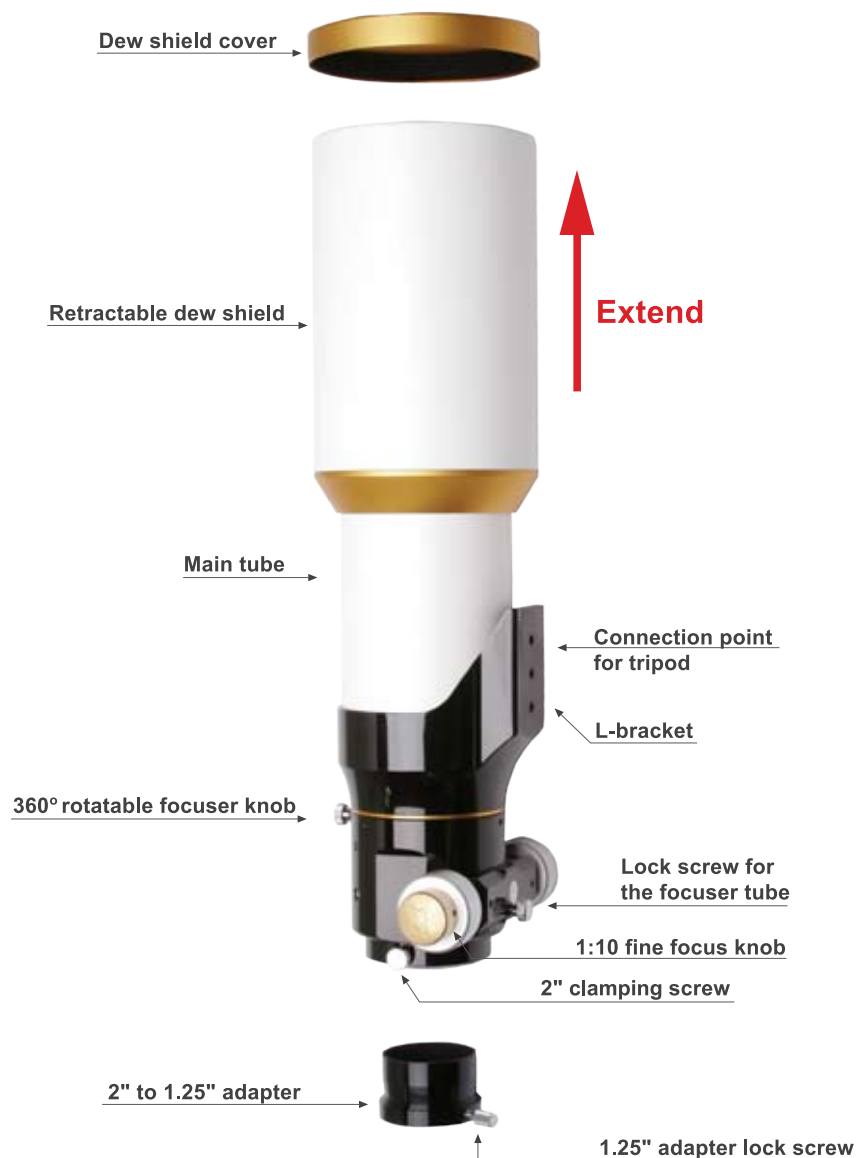
It could easily cause instant blindness or serious damage to your eyes. To view the sun, use only appropriately designed solar filters that will reject 99.96% of the sun light and heat. Educate your family on how to use this telescope properly during day and night time observations. For further information please contact your local dealer.



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Getting to know your telescope



Megrez 90 APO Refractor Specifications

Aperture	90mm
Focal Ratio	F / 6.9
Focal Length	621 mm
Objective Type	Doublet FPL-53 Air Spaced
Resolving Power	1.05"
Limiting Magnitude	12.0
Lens Shade	Retractable
Focuser	360° Rotating Camera-angle Adjuster 1:10 Dual speed fine focus 1.25" Adapter Included
1.25" Adapter	Brass Compression Rings
Tube Diameter	90mm
Tube Length	Fully Extended 540 mm (17.9") Fully Retracted 430 mm (14.2")
Tube Weight	6.8 lbs. (3.1 kg)
Case	High Quality Aluminum Case
Case Dimensions (WxHxD)	23.2" x 8.3" x 7.1" (59cm x 21cm x 18cm)

Megrez 90 APO Accessories Chart

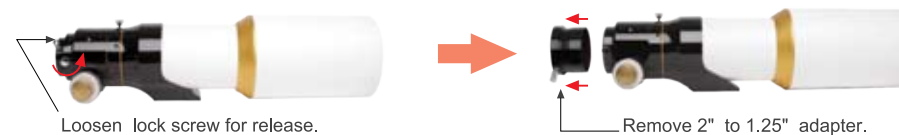


Above diagram is only for future connectivity purposes.
Please contact our Authorized Dealers for accessories purchase.

Connection Instructions

(2" Diagonal Mirror)

Step-1



Step-2



Step-3



Connection Instructions

(Finderscope)



The L-bracket can be used as a finderscope holder when you prefer to use mounting rings.

Mounting Suggestions



We recommend mounting using one mounting ring, securing the L-bracket to the dovetail plate. This will allow maximum stability to your set-up.

Optional Equipment

In order to operate your Megrez 90 APO you will need the following minimum equipment:

A sturdy tripod for astronomical or birding usage or a mount (equatorial or ALT-AZ). We recommend WO Eazy -Touch alt-az mount.

A mirror diagonal or erecting prism (The WO 2" Dielectric Diagonal is strongly recommended for better results in star observation and digital photography. A top-quality Dielectric Quartz model is also available now).

At least one or two good eyepieces (9 to 40 mm wide-field recommended) depending on the application.

For astrophotography, a photo adapter plus a T-mount connection are necessary. A field flattener is strongly recommended for best results.

Please refer to our Accessories Chart on page 03.

Quality nebula filters, light pollution filters, Solar Max H-alpha filters, depending on the application.

Recommended For This Scope

Binoviewer



Binoviewer

Enjoy the pleasures of BaK4 quality binoviewers with compression rings in your refractor, SCT or Newtonian. The value package includes 2 eyepieces (1.25" WA 66 20mm) and 1.6x corrector Barlow!

You can reach focus using WO 1.25 diagonal and a 1.6x barlow nosepiece.

Diagonal Mirrors



2" Quartz Dielectric Diagonal

High-quality dielectric coating (99% reflectivity), precision-polished quartz flat in our much-admired, patented mechanics.

Our 2" Diagonals are what you need for your best observing sessions. Only from William Optics.



2" Dielectric Carbon Fiber Diagonal

99% reflectivity with 1/10 lambda high-precision mirror surface, with elegant exterior design, with 1.25" adapter.

EAZY-Touch Alt-Az Mount

What is that you prize the most for your wide-field refractor? It's ease of use: EAZY TOUCH is the mount you need, without sacrificing stability, looks and portability. Made in Switzerland by our partner company AOK, this mount allows you to be ready to go in 5 minutes even with a 4" telescope!



C o m b o P l a t e



A mount is only half of the equation. Actually less than half. The best telescope and the best mount, still need a versatile mounting plate to go with. William Optics Combo plate (dovetail and saddle plate) is elegant, solid, and machined to the highest standards, as any WO product.

E r e c t i n g p r i s m s



2" 45°



**1.25" 45°
with 2" Barrel**



1.25" 45°

45° Erecting Prisms

Perfect both for astronomical and terrestrial observations. Revolutionary and sophisticated design, extra-smooth feel.

90° E r e c t i n g P r i s m



High quality prism, coating and finish, for good correct-image views of celestial objects. Perfect in daylight too.

U W A N Eyepieces



Uwan Eyepieces

Ultra Wide Angle (82°)
28mm (2"),
16mm (1.25"),
7mm (1.25"),
4mm (1.25").

S W A N Eyepieces



1.25" Eyepieces

Super Wide Angle (72°).
9 mm, 15 mm, 20 mm focal lengths.
5 elements in 4 groups, fully multi coated.
Parfocal.



2" Eyepieces

Super Wide Angle (72°).
25mm 33mm, 40mm focal
lengths, FMC.
Generous eye-relief.

M o u n t i n g R i n g s



90 mm Mounting Rings internal diameter

These felt-lined mounting rings are made out of solid aluminum, powder painted. A worthwhile investment if you want the best out of your mount and telescope.

R e d D o t F i n d e r



Red Dot Finder with Quick Release Bracket

This very practical r.d.f. comes with a handy, quick-release bracket included in the price. Centering your objects in the sky has never been easier!

William Optics Corp.

Company Policies

Privacy Policy :

William Optics Corporation (WO) neither intends to nor will ever disclose your personal information to third parties without your consent. All company personnel with access to customer information are aware of our policies and are trusted professionals in the field. WO intends to enforce these provisions vigilantly for your peace of mind and protection.

Damage, Shortage & Incorrect Shipment :

If your purchase has incurred any damage during shipping, you didn't receive the correct product or parts are missing, contact us or your Authorized WO Dealer within 48 h of delivery in order for us to assist you without delay.

Carrier-caused problems must be reported to the carrier as well.

Manufacturer Warranty :

William Optics is the manufacturer of the products sold on WOnline and through its Authorized Dealers sales network. This means that each original item is covered by the WO warranty. For a period of two years from the date of original retail purchase, WO will repair or replace a defective product provided it is returned to WO freight prepaid, with proof of purchase. Please contact WO to solve any warranty claim.

If the product has been misused, mishandled or if repairs have been attempted or performed without explicit consent from WO, the warranty will be deemed void. Normal wear-and-tear is not covered by this warranty. If the claim is denied because it is deemed to be a non-manufacturing defect, the customer will be notified of the reasons of denial.

This warranty is the manufacturer's warranty; additional warranties may apply but are beyond William Optics Corp.'s responsibility.

WO reserves the right to verify all warranty claims for defective products. WO furthermore reserves the right to change these terms and conditions and product specifications or to discontinue products without previous notice. This does not affect your warranty rights.

Repair Policy :

Beyond the warranty period it is the customer's responsibility to deal directly with WO in order to agree upon any repairs or replacements. Please contact William Optics for further details on your options to obtain service on one of our products.

Return and Refund Policy :

We hope that you are happy and delighted with your purchase.

If nonetheless you wish to return an item for a refund, please contact us for a return authorization number (RA#), fill in the return form here below and return together with your product to where instructed.

All returns to be refunded must be in perfect conditions, with original paperwork, packaging and proof of purchase.

Refunds after 14 days from the invoice date are subject to a 15% restocking fee. No refund will be allowed after 30 days from the invoice date.

The customer must prepay all transportation costs.

Original shipping charges, taxes or customs duties are not-refundable.



Complete Name & Address, Contact No. and E-mail	
Purchased Product, including Serial No. if available	Megrez 90 APO
Place and date of Purchase	
Reasons for return	
Return Authorization Number	
<p>Please read the refund policy carefully and if you have any doubt, please contact your Authorized Dealer or William Optics Corp.</p> <p>Return in perfect condition upon receiving your RA # to where instructed.</p> <p>All return charges are the responsibility of the purchaser.</p>	