

Aries 330 “Warrior”

Aries 350c “Guardian”

Aries 6800c/7800c “Defender”



u s e r ' s g u i d e

**AMERICAN
TECHNOLOGIES
NETWORK
CORP.**





DIGITAL INFRA-RED ILLUMINATOR

FREE FOR YOUR ARIES DEFENDER, GUARDIAN AND WARRIOR SCOPE

Battery housing

IR brightness adjustment

IR elevation

IR focusing

IR windage

Fixation screw

Aries 330 "Warrior"

Aries 350c "Guardian"

Aries 6800c/7800c "Defender"



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APPLICATION

The **Aries 330 “Warrior”** is an affordable, high quality 1st. generation weapon sight. It sports features such as a new super fast front lens system for optimal brightness, easy push button operation and a reticle brightness adjustment. The Warrior also comes with our new detachable, most powerful in the industry 450mw Infrared Illuminator with dedicated windage and elevation adjustments. This new IR lets you see even in total darkness up to 150 yards away!

The **Aries 350 “Guardian”** is the most compact 1st gen. weapon sight on the market. Measuring only 8 inches long and weighing less than 2 lbs. the Guardian is one of the most rugged yet compact scopes made.

The accuracy on the 350 Guardian is unparalleled thanks to our “Red on Green” reticle system. Windage and elevation adjustments are as amazing 1/8 inch @ 100yards.

Combine this accuracy with other features such as a new super fast front lens system for optimal

brightness, easy push button operation, reticle brightness adjustment and our new detachable, most powerful in the industry 450mw Infrared Illuminator with dedicated windage and elevation adjustments.

The “c” in **6800c/7800c**, stands for compact. The **Aries Defender** is one of the most compact high-end night vision scopes you will ever find. Utilizing either a top grade US 2nd Gen. (6800c) tube or a high end US 3rd gen (7800c) light intensifier tube the Defender has an extremely sharp resolution and brightness. This compact marvel is not a stripped down NVD it is full of features such as a new super fast front lens system for optimal brightness, easy push button operation, and a reticle brightness adjustment. Plus, it comes with our new detachable, most powerful in the industry 450mw Infrared Illuminator with dedicated windage and elevation adjustments for total darkness usage.

FEATURES

ARIES 330 “WARRIOR”

- 3x magnification with F1:1.7, f90mm lens
- “Green on Green” reticle system
- New, detachable most powerful in the industry 450mw Infrared Illuminator with dedicated windage and elevation adjustments.
- New Titanium mounting system
- Reticle brightness adjustment
- Dimensions: 9” x4” x2”
- Weight: 2.2 lbs.

ARIES 350C “GUARDIAN”

- The most compact first generation rifle scope on the market.
- New, high resolution Gen. 1+ LIT.
- “Red on Green” reticle system with 1/8 inch @ 100yards adjustment
- 2.5X magnification with new F1:1.2, f50mm lens
- New, detachable most powerful in the industry 450mWt Infrared Illuminator with dedicated windage and elevation adjustments.
- New Titanium mounting system
- Reticle brightness adjustment
- Dimensions: 8” x3” x2”
- Weight: 1.8 lbs.

ARIES 6800C/7800C “DEFENDER”

- The most compact and light-weight Second Generation weapon sight
- Optical configuration that surpasses current Military Specifications
- 3X magnification with new F1:1.2, f50mm lens
- “Red on Green” reticle system with 1/8 inch @ 100yards adjustment
- Automatic brightness control (ABC) for tube protection
- New Titanium mounting system
- Dimensions: 8”x3”x2.5”
- Weight: 2 lbs
- Made in USA

PREPARATION FOR OPERATION

Before getting started make sure to follow these steps:

- Install the battery into its housing with the polarity order shown on the main body of the unit.
- Switch on the Aries scope with the protective lens cover still attached to the lens.
- Make sure that the green luminance of the light intensifier tube is present.
- Observe the scene, and adjust the diopter and/or lens for optimal image clarity.
- You may now enter a dark environment or simply shut the lights off in order to darken the room.

- Next, remove the lens cap/daylight filter.
- Observe the scene, and adjust the front lens for ideal focus.
- Finally, you may want to turn the infra red (IR) illuminator on. Notice the ability of the Aries scope to see in total darkness with the aid of the IR illuminator.



OPERATING

RETICLE BRIGHTNESS ADJUSTMENT



By rotating the knob you may adjust the reticle's brightness. Adjustment could be easily seen if you look through the scope while adjustment.

MOUNTING

1. Slightly loosen the horizontal and vertical fixing screws on the 7/8" weaver rail built into the scope.
2. Place the scope on the dovetail mount of the fire arm making certain that the mount aligns

with the receptor attachment screw groove. Adjust as necessary.

3. Tighten the horizontal fixing screws.

NOTE: Receptor attachment screws may need to be tightened after continuous shooting.

FOCUSING



To focus your rifle scope you will need to adjust the diopter first thing. Simply turn the diopter clockwise until it stops. Then, while looking through the diopter at a subject, slowly turn the diopter back counter clockwise until the grain in the image is sharp.

NOTE: We suggest that you focus the diopter during daylight with the filter on.

Before focusing turn the lens fixation handle clockwise, to unlock the lenses.

Next, focus the front lens until the image and the grain are both sharp. When you are in the low-light conditions and the daylight filter is off you may focus the front lens to receive a sharp image, the diopter should not be adjusted.

NOTE: The front lens should be readjusted as you view objects at different distances.

When you are finished to adjust the front lens focus, you should lock the front lens in place by turning the lens fixation knob clockwise. Failure to do this may cause shift in aimpoint when shooting.

IR ILLUMINATION

Infra-red (IR) Illuminators are common for night vision technology. The IR light greatly enhances the performance of your Aries scope, while remaining almost totally invisible to the naked eye. In dark environment, power up the Aries scope. Now, find a scene and examine it without the IR on then with IR powered up. Note the difference in illumination. It is important to remember that the IR illuminator is simply an infra red light source, and like any light source it may lose its effectiveness over a great distance.

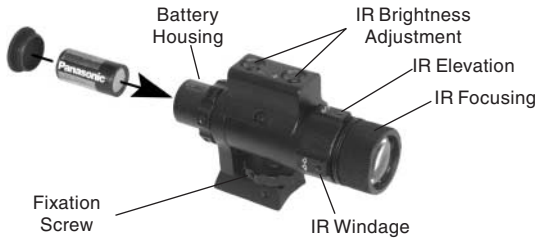
To fix the IR Illuminator to the rifle scope screw the thumb screw on the IR into the thread on the scope. To switch the IR on and to adjust the brightness rotate the rheostat located on the side of the Illuminator. The changes of adjustment could be observed while looking through the scope. The IR is off when the mark on the rheostat coincides with "0" on the scale.

NOTE: The rifle scope could be equipped with digitally controlled IR.

The IR illuminator control buttons are located on its side. To switch the Digital IR illuminator on/off press "+" and "-" buttons simultaneously. When the IR illuminator is switched on you can see the green LED lit. By pushing the buttons "+" and "-" you may adjust the IR brightness.

The IR beam is focusable to change the field of coverage. To change the beam width slightly turn the IR lens.

You could change the IR control panel fitting your needs. The screw-tool included into the set should be used for weakening the fixing screw located on the IR. Rotate the IR placing it in the most convenient position. Tighten the screw with the screw-tool to fix the new position.



RANGEFINDER RETICLE

The range finder reticle in your Night Vision Riflescopes was designed to assist you in determining the range of your target.

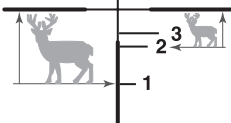
These distances are based on a 6' target.

ARIES350/6800/7800 RETICLE

A 6' target fits between the numbered baseline (the three short horizontal lines directly next to the numbers) and the main horizontal line. If the 6' target fits between the 1 and the right horizontal post of the main line the target is 100 yards away. If the same target fits between the 2 and the right post of main line the target is 200 yards away. The same is with the three, the target is 300 yards away.

If a 6' target fits between these two lines then the target is 100 yards away.

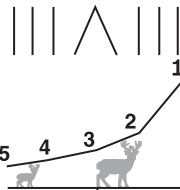
If a 6' target fits between these two lines then the target is 200 yards away.



ARIES350/6800/7800 RETICLE

A 6' target fits between the numbered baseline and the main horizontal line. If the 6' target fits between the 2 and the right horizontal post of the main line the target is 200 yards away. If the same target fits between the 5 and the right post of main line the target is 500 yards away. The same is with the 1,3 and 4. The target would be either 100,300 and 400 yards away.

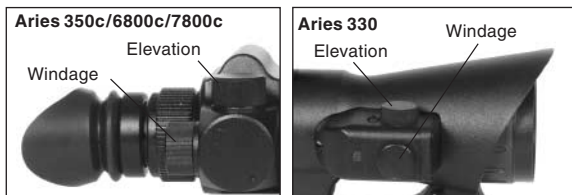
The vertical lines in chevron reticle are proportioned to help in rangefinding and in making allowances for wind or movement.



If a 6' target fits between these two lines then the target is 500 yards away.

If a 6' target fits between these two lines then the target is 200 yards away.

WINDAGE AND ELEVATION



The vertical and horizontal adjustments for the Aries can be achieved by turning the elevation and windage adjustment mechanisms (remove dust caps first). Each click equals 1/8 inch at 100 yards for the 350 and 6800/7800. 1/4 inch for the 330. When reaching the maximum range of rotation do not use force.

CLEANING THE EYEPIECE

You may need to clean the eyepiece of the rifle scope from time to time in order to guarantee top performance. When you receive your rifle scope you should check for dust on the eyepiece of the unit.

First you will need to remove the eyepiece. To do that you will need to initially loosen the 2 set screws that can be found on the base. Then unscrew the eyepiece counter-clockwise to remove it.

NOTE: You do not have to remove the set screws completely, they are very small and easy to misplace.

CAUTION: Use only Photographic lens cleaning tissue on these surfaces. Be careful not to scratch or smudge any of these surfaces. When using compressed air to blow dust away, make sure to avoid inverting the can while spraying. This can cause frozen propellant to exit the can, which can cause serious problems with the glass and phosphor screen.

WARNINGS AND CAUTIONS

- Always remember to turn off the Aries scope when it is not in use. If you do not plan on using your aries scope for a period of more than 10 days, you should remove the batteries.
- Keep lens cap/daylight filter on when not in use.
- Avoid contact with dust, steam, and gas.
- The Aries scope are not harmful to the user or the environment.
- Do not disassemble except to clean the front lens and the eyepiece: **it will void your warranty.**
- Evaluate the scopes function by looking through it in a lit environment with the daylight filter lens cap on. Never use in daylight without the daylight filter lens cap on. Do not surpass ten minutes of testing.
- Never point the Aries scope at a bright light source. If the scope shuts off automatically after directing it at a bright light source, turn the unit off and wait 1 - 2 minutes before turning the unit back on.
- Adverse atmospheric conditions such as fog, smog, or haze and a lack of ambient light (moon or starlight) may diminish the effective viewing distance. All technical data for this unit was compiled in a controlled environment.

TROUBLESHOOTING

Q: Flashes, flickers, or clicking occur while operating

S: If it occurs within the first five minutes of inserting new batteries, it is normal and the device will resume normal operation soon thereafter. If it occurs for more than 10 minutes, contact your dealer or other authorized service representative for service instructions.

Q: Dark spots on screen.

S: This may be dust on the lens, please clean according to instructions. They may also be Cosmetic blemishes in the intensifier tube which are a by-product of the manufacturing process. This is normal and will not affect the life or performance of the unit.

Q: Image not clear.

S: Adjust focus ring. If problem persists, increase viewing distance

Q: Fixed-pattern noise in a honeycomb shape.

S: Usually a cosmetic blemish characterized by a faint honeycomb-type pattern. This usually occurs when viewing very bright lights. Adjust the potentiometer, to reduce brightness.

Q: A pattern of dark thin lines which look like chicken wire.

S: Turn on illuminator, if purchased. If illuminator doesn't brighten image, replace batteries. If problem persists, contact ATN for service instructions.

2 YEAR PRODUCT WARRANTY

This product is guaranteed to be free from manufacturing defects in material and workmanship under normal use for a period of 2 (two) years from the date of purchase. In the event a defect that is covered by the foregoing warranty occurs during the applicable period stated above, ATN, at its option, will either repair or replace the product, and such action on the part of ATN shall be the full extent of ATN's liability, and the Customer's sole and exclusive remedy. This warranty does not cover a product (a) used in other than its normal and customary manner; (b) subjected to misuse; (c) subjected to alterations, modifications or repairs by the Customer or by any party other than ATN without prior written consent of ATN; (d) special order or "close-out" merchandise or merchandise sold "as-is" by either ATN or the ATN dealer; or (e) merchandise that has been discontinued by the manufacturer and either parts or replacement units are not available due to reasons beyond the control of ATN. ATN shall not be responsible for any defects or damage that in ATN's opinion is a result from the mishandling, abuse, misuse, improper storage or improper operation, including use in conjunction with equipment which is electrically or mechanically incompatible with or of inferior quality to the product, as well as failure to maintain the environmental conditions specified by the manufacturer. **CUSTOMER IS HEREBY NOTIFIED THAT OPERATION OF THE EQUIPMENT DURING DAYLIGHT HOURS OR UNDER ANY EXCESSIVE LIGHT CONDITIONS MAY PERMANENTLY DAMAGE THE INTERNAL COMPONENTS OF THE UNIT AND SAID DAMAGE WILL NOT BE COVERED UNDER THIS WARRANTY.** This warranty is extended only to the original purchaser. Any breach of this warranty shall be waived unless the customer notifies ATN at the address noted below within the applicable warranty period.

The customer understands and agrees that except for the foregoing warranty, no other warranties written or oral, statutory, expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose, shall apply to the product. All such implied warranties are hereby and expressly disclaimed.

LIMITATION OF LIABILITY

ATN will not be liable for any claims, actions, suits, proceedings, costs, expenses, damages or liabilities arising out of the use of this product. Operation and use of the product are the sole responsibility of the Customer. ATN's sole undertaking is limited to providing the products and services outlined herein in accordance with the terms and conditions of this Agreement. The provision of products sold and services performed by ATN to the Customer shall not be interpreted, construed, or regarded, either expressly or implied, as being

for the benefit of or creating any obligation toward any third party of legal entity outside ATN and the Customer; ATN's obligations under this Agreement extend solely to the Customer. **ATN's liability hereunder for damages, regardless of the form or action, shall not exceed the fees or other charges paid to ATN by the customer or customer's dealer. ATN shall not, in any event, be liable for special, indirect, incidental, or consequential damages, including, but not limited to, lost income, lost revenue, or lost profit, whether such damages were foreseeable or not at the time of purchase, and whether or not such damages arise out of a breach of warranty, a breach of agreement, negligence, strict liability or any other theory of liability.**

PRODUCT WARRANTY REGISTRATION

In order to validate the warranty on your product, ATN must receive a completed Product Warranty Registration Card for each unit. Please complete the form below and immediately mail it to our Service Center: ATN Corporation, 20 South Linden Ave., Suite 1B, South San Francisco CA 94080. Products qualifying for warranty repair will be either repaired or replaced within 10 business days of receipt of merchandise unless the customer is notified otherwise.

OBTAINING WARRANTY SERVICE

To obtain warranty service on your unit, take or send the product, postage paid, with a copy of your sales receipt to our service center, ATN Corporation at the address noted above. All merchandise must be fully insured with the correct postage; ATN will not be responsible for improper postage, or, missing or damaged merchandise during shipment.



For customer service and technical support, please contact
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