Mars 4 Series

SMART THERMAL RIFLESCOPE



MANUAL





CAUTION!

THIS PRODUCT CONTAINS NATURAL RUBBER LATEX, WHICH MAY CAUSE ALLERGIC REACTIONS

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FEATURES

- **DALLISTIC CALCULATOR**
- **O RECOIL ACTIVATED VIDEO (RAV)**
- SMART RANGE FINDER
- 🗞 E-COMPASS
- DUAL CORE PROCESSOR

- SHARE ON SOCIAL MEDIA
 ONE SHOT ZERO
- ONE SHOT ZERO
 ULTRA LOW POWER
 - CONSUMPTION
- 📄 PROFILE MANAGER

APPLICATION

The most technologically advanced thermal vision smart scope is back, and now more improved than ever before. Improving on the thermal sensor technology, ATN is proud to introduce this 4th generation of Smart HD Thermal Rifle Scopes, with a dual core thermal sensor.

This new line of thermal scopes combines the classic features that set ATN apart from the competition, with new capabilities unique to this line. These scopes combine aspects like recoil activated video, one shot zero and ultra-low power consumption, dual stream video (record and stream at the same time), and a new ultra-sensitive next generation thermal sensor which lets you view and record at high resolution.

The Mars 4 thermal scope features a suite of applications, like a built in ballistics calculator. Plus, it features recoil resistant components and an expandable MicroSD slot that lets you record up to 64 gigabytes of photo and video, and a new classic ergonomic Mars series design.

SPECIFICATIONS	CATIO	SZ						
	Mars 4 384 1.25 - 5x	Mars 4 384 2 - 8x	Mars 4 384 4.5 - 18x	Mars 4 384 7 - 28x	Mars 4 640 1 - 10x	Mars 4 640 1.5 - 15x	Mars 4 640 2.5 - 25x	Mars 4 640 4 - 40x
Item #	MS4K3819	MS4K3825	MS4K3850	MS4K3875	MS4K6419	MS4K6425	MS4K6450	MS4K6475
Sensor		Gen 4 384x288, 60 Hz	288, 60 Hz			Gen 4 640x	Gen 4 640x480, 60 Hz	
Magnification	1.25 - 5x	2 – 8×	4.5 – 18×	7 – 28×	1 – 10×	1.5 – 15×	2.5 – 25×	$4 - 40 \times$
Field of view, degrees	16×12.5	12×9.5	6×4.7	5×3.8	32×25	24×19	12.5×9.7	8.3×6.2
Core				ATN Obsidian IV Dual Core T	V Dual Core T			
Micro Display				1280x720 HD Display	HD Display			
Eye relief				90 r	90 mm			
Video Record Resolution				1280x960 @ 30/60 fps	© 30/60 fps			
Ballistic Calculator				Ye	Yes			
WiFi (Streaming, Gallery, & Controls)				iOS & Android	undroid			
Bluetooth				Yes	S			
3D Gyroscope				Yes	S			
3D Accelerometer				Yes	S			
E-Barometer				Yes	S			
Smart Range Finder				Yes	St			

	Mars 4 384 1.25 - 5x	Mars 4 384 2 - 8x	Mars 4 384 4.5 - 18x	Mars 4 384 7 - 28x	Mars 4 640 1 - 10x	Mars 4 640 1.5 - 15x	Mars 4 640 2.5 - 25x	Mars 4 640 4 - 40x
RAV (Recoil Activated Video)				X	Yes			
Electronic Compass				Υ.	Yes			
Smooth Zoom				X	Yes			
Reticles				Multiple Patterns & Color Options	& Color Options			
Microphone				X	Yes			
MicroSD card				4 to (4 to 64 Gb			
USB, type C				X	Yes			
Mount				30 mm Standard Rings (included)	Rings (included)			
Battery life (Li-ion)		18 + hrs	hrs			16 + hrs	hrs	
Waterproof rating / IP rating				Weather	Weather resistant			
Smart Mil Dot Value Range	4.0 – 10	4.0 – 10	2.0 – 10	1.0 – 10	4.0 – 10	4.0 – 10	2.0 – 10	1.0-10
Human Detection Range	750	960	1800	3000	830	1050	1950	3300
Human Recognition Range	335	480	720	1320	350	530	800	1450
Human Identification Range	205	300	430	720	225	330	475	800
Dimensions	13.1"x3"x3" / 332x76x76 mm	13.5"x3"x3" / 343x76x76 mm	13.8"x3"x3" / 351x76x76 mm	14.8"x3"x3" / 375x76x76 mm	13.1"x3"x3" / 332x76x76 mm	13.5"x3"x3" / 343x76x76 mm	13.8"x3"x3" / 351x76x76 mm	14.8"x3"x3"/ 375x76x76 mm
Weight	1.93 lb / 0.88 kg	2.03 lb / 0.92 kg	2.2 lb / 1.0 kg	2.35 lb / 1.06 kg	2.35 lb / 1.06 kg 1.93 lb / 0.88 kg 2.03 lb / 0.92 kg	2.03 lb / 0.92 kg	2.2 lb / 1.0 kg	2.35 lb / 1.06 kg
Warranty				3 ye	3 years			
* ATN reserves the right to change the above specifications at any time without notice	to change the ab	ove specificatio	ns at any time w	ithout notice				

PREPARING THE DEVICE

UNPACKING

The following steps must be performed before using the device:

- 1. Open packaging box, remove Mars 4 and check the contents.
- Eyecup
- Standard rings (2 pcs.)
- L-shape ring
- Scope Cover
- USB-C cable
- QSG
- Manual
- Cloth
- 2. Make sure that nothing is missing.
- 3. Inspect the device for damage to optical surfaces, body, eyecups, operation buttons, etc.
- 4. Ensure that all optical surfaces are clean and ready for use.

NOTE

If any accessories are missing or broken contact ATN Europe LTD's Customer Service at support@atneu.com.

CHARGING THE DEVICE

The device is equipped with a USB (type C) port. You will find it under the rubber cap on the right side of the device (caps are marked with appropriate icon).

We have included a USB (type C) charging cable with your scope. Plug the cable into a USB wall charger that has an output of 2 amps (Wall Charger not included).

Charge your scope for 6 hrs using a 2A USB wall charger. Note using a wall charger with lower amperage will take longer to charge your scope.

- 1. Recommended charger is 2A USB charger.
- 2. Battery charging time (from 0 to 100%) is 6 hours with 2 A USB charger.
- 3. Battery run time is 16 hours on a single charge.

MICRO SD AND USB C PORTS

The device is equipped with a microSD Card and USB (type C) ports. You can find them under the rubber caps on the right side of the device (we marked the caps with appropriate icons).

To open the rubber port cover, gently lift the rubber cover and move it out of the way.

NOTE

Make sure that the device is turned off before inserting the formatted micorSD Card into its assigned port.

1. Always format a new microSD card before using.





2. Insert microSD card as shown.

3. Use a thin object (small coin, paper clip) to lock the microSD card in place after inserting it into the slot.

4. Return the cover to its original position.

NOTE

There is only one correct direction to insert the microSD Card.

Do not force the microSD Card into the port doing so may cause damage to both the scope and the card itself.

To remove the microSD Card from the port, push the card slightly in using the same thin object you did before. When the card pops up a few millimeters, pull the card out with your fingers or tweezers.

NOTE

If you are going to record video, the microSD Card should be a Class 10 (10 Mb/ sec) or faster and have capacity from 4 to 64 Gb that is an HC type SD card.

FIRMWARE UPDATE

Before operating your device, update the firmware to the latest version. All firmware updates can be found on at **https://www.atneu.com/firmware**.

To receive a notification concerning new firmware updates, please register your device on our website. An email notification will be sent when a new firmware update becomes available.

To update the firmware you will need a microSD Card and fully charged internal battery.

NOTE

In the event of a power failure during an update, the device may crash. This will corrupt the system files and the device will need to be sent back to the ATN factory for service.

To ensure your zero coordinates are not lost, write down your zero coordinates before continuing to update the firmware!

Update the new firmware as follows:

- Download the ***.bin file and copy to your microSD Card root directory.
- 2. Insert the card into the scope.
- 3. Turn ON the scope.
- 4. In the "Firmware Update" dialog box select "Yes" to start the update.
- 5. When the update counter reaches "100%" the device will automatically restart.
- 6. Once the device is powered up it will enter self configuration mode.
- 7. After completing it will automatically restart.
- 8. Motion Sensing platform will be configured when first turned on.
- 9. Once the Firmware update completes, please do a factory reset before using the product.

10. Please delete the Firmware file off of the microSD card after the process is complete. Or the system will try to update the Firmware every time you turn the scope on.

NOTE

If the device does not restart within 30 seconds, press and hold the power button for 15 seconds and the scope will turn off.

ON/OFF

To TURN ON the device press and hold the POWER button until you see the ATN splash screen.

To TURN OFF the device press and hold the POWER button, until the dialog box "Shut down the device?" appears. Choose "Yes" to turn off.

If the scope freezes or stops responding to the control panel. Press and hold the Power button for 15 seconds to reboot the scope.



USING YOUR KEYPAD AND SCROLL WHEEL

The KEYPAD is programmed to be used in two different ways:

- Short and Quick Taps used for most functions and to get around the menu.
- Press and Hold designed to be used in the following situations — ON/ OFF. SHORTCUT MENU.
- You can use the Power and Function buttons in System Menu as Up and Down buttons.



FUNCTION BUTTON

 The Scroll Wheel is used to magnify your target from the Home Screen, or during the zero in process.

NOTE

Using LEFT or RIGHT buttons in the Menu. You can quickly choose Exit Shortcut from any position. Use the Function Button from any menu screen to exit to the Home Screen by pressing and holding down the Function button for a few seconds.

FOCUSING

DIOPTER ADJUSTMENT

By rotating the Diopter Adjustment Ring you will achieve optimal sharpness for your vision. Look through the eyepiece while focusing on the reticle and widgets on the screen.

NOTE

Once the Diopter Adjustment is set to your liking, adjustment will not need to be performed unless another user altered the focus for their needs.





DISTANCE FOCUS

Rotate the Adjustment Ring, as necessary, to achieve the proper focus at various distances.

MOUNTING YOUR SCOPE



The Mars 4 has a 3.5-inch eye relief, and can be mounted using 30 mm mounting rings. ATN has provided two standard rings and one L shape ring. The L shape ring is for those instances when you need extra eye relief for certain rifles. First, choose your preference of rings and position and mount the bottom portions of your rings to your rail for optimal eye

When the compass needs to

be calibrated, the word "CAL"

appears instead of the Com-

pass Scale. To calibrate rotate the device on three axis rota-

After calibrating the de-

vice please remember that

the compass will work best

when holding the Mars par-

Other possible abbrevia-

allel to the ground.

tion, as pictured on the left.

NOTE

tions:

relief. Place the scope on the bottom half of the rings you just mounted, verifying you have sufficient eye relief for your platform. Place the top portion of your ring over the mounted bottom portion, make sure the holes align and the screws turn easily. Apply equal torque to all screws with the provided Allen wrench. Make sure your rings are tight on your rifles rail and will not come loose due to recoil. For mounting the Mars 4 on the weaver rail:

- 1. Loosen the fixing screws on the sides of the mounting rings.
- 2. Place the rifle scope on the weaver rail so that the projection of the rail, which is in the base of the ring, enters the recess in the rail.
- 3. Tighten the fixing screws of the mounting rings.

NOTE

Please do not over tighten the Fixing Screws when attaching the rings to your rail, we recommend using 38 in-lbs.

CAUTION!

Be sure your weapon is not loaded. Use safe weapon handling procedures at all times.

COMPASS CALIBRATION



- ERR an error was detected;
- SMF your device is under Strong Magnetic Field;
- UPD your firmware needs to be updated.

INTERFACE

HOMESCREEN

The first screen you'll see after turning on the device is the Homescreen. It consists of Scales, Status Bar icons and different Information Widgets.



SCALES

- The E-Compass Scale shows yaw angle based on e-Magnetometer data.
- Roll Scale shows the rifles cant based on internal 3D Gyroscope.
- Pitch Scale shows rifle inclination based on internal 3D Gyroscope.

STATUS BAR

Displays information about the current state of the system. Icons that are inactive become invisible when not in use, and only the important information will appear.

- Battery shows how much energy is left in the system.
- Micro SD Card shows the presence or absence (red icon) of memory card.
- Ballistic Calculator, Bluetooth, and WiFi shows when the function is enabled.

WIDGETS

Interface elements will appear as widgets that will provide access to useful information. There are several types of widgets:

- icons without value are used for mode displaying (Photo and Video-Modes);
- only numerical value (Detailed Roll and Pitch Values);
- icons with a numerical value: Range, Zoom, Reticle Correction, Wind Speed.
- Photo Preview appears at the bottom of the Homescreen, after the photo is taken.



Display widgets can be disabled from the System Settings.

To enter System Settings you should click the OK

button (i) from Homescreen to access the Shortcut Carousel.

Select the wrench icon with RIGHT or LEFT but-

tons 🔯 and push the OK

button () to enter the System Settings menu.

Select the Display tab with RIGHT button and choose subcategory Display Widgets with the Scroll Wheel or Keypad buttons (20).

Press the OK button () to select the Display Widgets. Use the Scroll Wheel

or Keypad buttons 🔯 to change from Extended to Minimal.

MAIN OPERATIONS



Use the Scroll Wheel on the left side of the scope to Zoom IN and OUT. Zoom Level is displayed in the Zoom widget on the Homescreen.

NOTE

When the device is activated for the first time, you need to configure the lens option in the pop-up window before zooming. Please refer to System Settings \rightarrow Settings \rightarrow Device Type.



TAKING PHOTOS

Press the LEFT button 🕲 to TAKE A PHOTO. One press of the button will result in one photo taken.

→ D VIDEO RECORDING

By pressing the RIGHT button (9), you will be able to RECORD VIDEO (if you use Normal Mode) or START RAV (if Recoil Activated Video mode is on). The video recording modes can be switched in the System Settings options.

NOTE

Recording will automatically stop when the memory card is full or the battery is out of power.



→ MENU SHORTCUT CAROUSEL

Pressing down on the OK button 🖲 opens and closes the Shortcut menu.

MODES

The Mars 4 has 2 modes of operation: basic and advanced.

Basic Mode has the following feature options:

- 1. System Settings
- 2. Advanced Shortcut
- 3. Zero Reticle
- 4. Contrast.

Advanced Mode has the following feature options:

- 1. Exit
- 2. System Settings
- 3. Range Finder
- 4. Advanced Shortcut
- 5. Distance Entry
- 6. Environment
- 7. WiFi
- 8. Zero Reticle
- 9. Ballistic Calculator
- 10.Gallery
- 11. NUC
- 12.Contrast

SHORTCUT CAROUSEL

The Carousel is your access to a number of shortcuts that will allow you to quickly access your scope's features. Click the

OK button in from Homescreen to access the Carousel.

Buttons highlighted in Red are the only ones that activate a particular shortcut.



Use the LEFT & RIGHT buttons to move between functions, except with the group of ON/OFF switches (WiFi, Bluetooth, Ballistic Calculator, RAV), use the Scroll Wheel or Keypad buttons to between switches.

To turn a particular function ON or OFF, you should click the OK button while that function is selected. Example — WiFi.



EXIT Exit Carousel.

NUC

Allows you to make a non-uniformity compensation (NUC).

ONE SHOT ZERO Sighting in your scope has never been easier with One Shot Zero. Take a shot adjust your reticle and you are good to go.

RANGEFINDER



Activates Smart Rangefinder feature. If the Ballistic Calculator is ON then the range that is found using the Rangefinder will be automatically used to adjust your point of impact (shift reticle to adjust for drop).



DISTANCE ENTRY

Manually input or adjust the distance to the target to be used by the Ballistic Calculator.

GALLERY



Gives you access to the library of Images and Videos that are stored on your scope's micro SD card.

CONTRAST



The difference in luminance and color that makes an object more distinguishable.

ENVIRONMENT

Allows for input of various environmental data to improve ballistic correction, such as wind speed and direction.



SYSTEM SETTINGS

Allows access to various system options and adjustments.



WIFI

Allows you to connect to your smart phone or tablet; password is **atnsmarthd**.



BLUETOOTH

Allows you to connect to ATN Smart accessories, that use Bluetooth, to communicate with your scope.



BALLISTIC CALCULATOR

Allows you to have the scope automatically adjust your reticle POI for bullet drop, based on the ballistic information you input into the scope.

RAV (Recoil Activated Video)

Allows you to record your hunt without having to press the record button.

USING SYSTEM SETTINGS

To enter the System Settings, open the Shortcut Carousel by pressing the

OK button 👀. Select the wrench icon with RIGHT or LEFT buttons 👰.

Push the OK button 😟 to enter the menu.

The System Settings consists of a Tab Bar at the top of the screen, list of



subcategories in the center and Help Information at the bottom.



On the left side of the Tab Bar you will find the Exit (with arrow icon). Selecting Exit and pressing the OK button in will bring you back to the Homescreen. Movement between the tabs is carried out using the LEFT and RIGHT buttons .

Each tab includes subcategories. To select a particular subcategory you should use the Scroll Wheel or Keypad buttons 2 and press the OK button 2 to select it.

SYSTEM SETTINGS		a * ≠	SYSTEM SE	TTINGS	9	* * *		SYSTEM S	ETTINGS		•	₩ * *
 THERMAL PHOTO/VIDE 	DISPLAY PROFILES/ZE	RO SETTINGS	 THERMAL 	PHOTO/VIDEO DISPLA	PROFILES/ZERO	SETTINGS	*	THERMAL	PHOTO/VIDEO	DISPLAY	PROFILES/ZERO	SETTINGS
Conner -		•	Zero Reticle				8	Zero Retic	le			
Other			RAV calibra	tion			6	RAV calib	ation	0		
M Import from SD Card			🗹 Drag Functi	on			E	Drag Func	tion			
Export to SD Card						0.26 >	6	Ballistic C	oefficient	1		
(E) Zeroing ABL			·E· Bullet Weig	ht		55.00 gr >		Bullet Wei	ight			
# MIL-Dot-reticle value			# Muzzle Velo	city		33.20 ft/s >	:	Muzzle Ve	locity			
10 Shot count			10 Zero Range			99.52 yd >	1	D Zero Rang	9			
			Sight Height			1.50 in		Sight Heig	ht.			
* CATEGORY	SUBCATEGORY	SELECT	CATEGORY	SUBCAT	EGORY	SELECT		CHANGE PO		CHANGE	VALUE	ACCEPT
FIRST LEVEL			SECOND L	EVEL			ΤH	IIRD LE	EVEL			

		SYSTEM SE	TTINGS			题 *
÷		THERMAL	PHOTO/VIDEO	DISPLAY	PROFILES/ZERO	SETTINGS
	Ā	Microphone				On 🌩
	SD	Format SD C	Card			
	Э	Recoil Activ	ated Video			
	٠	CATEGORY	+	SUBCATE	GORY	SELECT

• # * ?

To change a particular value, follow the next few steps. Select the subcategory you need with the Scroll Wheel or Keypad buttons 🗔.

Press the OK button 🖲 to select a particular value (once selected it will turn red).

Change the value with the Scroll Wheel or Keypad buttons 000.

FUNCTIONS

PHOTO MODE

From the Homescreen: press the LEFT button 📖 to TAKE A PHOTO.

NOTE

You must have a microSD card inserted in the device for these features to work. and all files will be stored on the microSD card.



PHOTOS Allows you to take one photo at a time.

The photo preview appears after a photograph is taken on the bottom of the screen for several seconds.





VIDEO RECORDING

NOTE

You must have a microSD card inserted in the device for these features to work.

All files will be stored on the microSD card. Recorded videos can be found in the Gallery of the device.

The scope allows you to record videos in two modes.



The default mode. While recording the Counter widget appears.

In order to Start recording video. While on the Homescreen, Press the RIGHT button 100 to activate video recording. Press the RIGHT button 🔯 once more to Stop recording video.

1	HERMAL	PHOTO/VIDEO	DISPLAY	PROFILES/ZERO	SETTINGS
	Zero Reticle	9			
	RAV calibra	ition			
Ľ	Drag Functi	ion			G1 ≑
ß					0.26 →
(Ē)	Bullet Weig	ht			55.00 gr >
::	Muzzle Velo	ocity		31	l33.20 ft/s →
Ф	Zero Range				99.52 yd ⇒
	Sight Heigh	t			1.50 in →
♦ (CATEGORY		SUBCATE	GORY	SELECT
	SYSTEM SE	TTINGS		o	

SYSTEM SETTINGS

		SYSTEM SET	TINGS				國於	(1:
+		THERMAL	PHOTO/VIDEO	DISPL	_AY	PROFILES/ZERO	SETTIN	IGS
		Zero Reticle						
		RAV calibrat	ion		0.	. 26		
	Ľ	Drag Functio	on					
	Ľ	Ballistic Coe	fficient					
	(Ē)	Bullet Weigh	ıt					
	::	Muzzle Velo	city					
	Ð	Zero Range						
		Sight Height						
	•	CHANGE POS	ITION	CHAN	GE \	/ALUE	AC	CEPT

To select a new value, press OK button 💓 to confirm the change.

1 O * ?

Q 9.4 x





		SYSTEM SE	TTINGS			邀	(:
ŧ		THERMAL	PHOTO/VIDEO	DISPLAY	PROFILES/ZERO	SETT	INGS
	Ā					10	sec 🗢
	10	Record Afte	er Shot			5	$\texttt{sec} \ \Leftrightarrow \ $
	•	CATEGORY	-	SUBCATE	GORY	● S	ELECT

RECOIL ACTIVATED VIDEO

Recoil Activated Video (patent pending), offers a unique approach to taking videos with your Smart Sight. RAV offers you the ability to take a video before, during and after your shot has been fired.

Perfect for those hunting moments when hitting your target, far outweighs the importance of remembering to turn on your video record.

Simply set your RAV to ON, set your parameters and anytime you pull the trigger (RAV is activated from the recoil of your weapon), the sight will record a number of seconds before your shot and a number of seconds after. All conveniently organized as one continuous video.

Press the RIGHT button it to Activate RAV from the Homescreen to Start Video recording. Press the RIGHT button is again to stop Video recording.



When you set your video record to RAV mode (from Shortcut Menu), the system buffers everything your scope sees.

While you are in this mode, the RAV widget appears and then after starting record the Time Counter appears.

After activating the RAV function in the Shortcut Carousel, return to the Homescreen. Continue the activation process by pressing the RIGHT button

to activate the Video. Also, make sure you see the RAV icon on the Homescreens upper left corner. Press the RIGHT but-

ton (2) again to stop Video recording.

When a shot is fired, your scope experiences recoil (some airguns may not provide enough recoil for RAV to be activated). The scope will record video prior to the shot being taken, the moment of, and some time after. Exact settings may be adjusted in the System Settings.

NOTE

It may be best to turn OFF the Microphone in conditions of extreme wind.

You can turn on the microphone and switch the quality of the video in the System Settings (Photo/ Video tab).

To enter the System Settings:

- Open Shortcut Carousel by pressing the OK button (2) and select the wrench icon with RIGHT or LEFT buttons (2).
- 2. Push OK button 💓 to enter the menu.
- 3. Using the Scroll Wheel or Keypad buttons 💿 select Microphone. Press the OK button 💿 to select it.
- 4. Change the setting with the Scroll Wheel or Keypad buttons 2 and press the OK button 2 to confirm the change.

All files will be stored on the microSD card. Recorded videos can be found in the Gallery of the device.

RAV CALIBRATION

RAV (Recoil Activated Video) is a fantastic feature that allows you to set your scope to record your video when you fire your weapon. But as there are many types of calibers and platforms our standard RAV sensitivity may not be enough. IE small calibers that have little recoil, which fails to activate RAV. With this option you are able to adjust the sensitivity of your scope in order for it to recognize the light recoil and activate RAV.

NOTE

For best results you should only Calibrate RAV at a shooting range. ATN endorses safe and responsible recreational shooting, and does not recommend RAV calibration at home regardless of state law.

Open the Shortcut Carousel and navigate to Settings. Scroll to Profile/Zero and then select RAV calibration. You should see a velocity rating in the upper left corner (_____ ft/s or m/s) followed by "1, 2, 3". The First circle is blinking denoting actively searching for input. While having the RAV calibration active fire a round down range.

		SYSTEM SET	TINGS			(; ₩	
+		THERMAL	PHOTO/VIDEO	DISPLAY	PROFILES/ZERO	SETTINGS	5
							>
	盟	RAV calibrat	ion				
	В	Drag Functio	on			G1	
	Ľ	Ballistic Coe	efficient			0.26	
	(Ē)	Bullet Weigh	nt			55.00 gr	
	::	Muzzle Velo	city		31	33.20 ft/s	
	Ф	Zero Range				99.52 yd	
		Sight Height				1.50 in	
	•	CATEGORY		SUBCATE	GORY	SELEC	T

You should see example (9.4 ft/s) or something similar, as it will depend on the caliber and your platform. Once you get the first number press the center

OK button 🛞 to save. Repeat this process with only your desired input until there is a check mark on all numbers. If an error has been encountered either

			SYSTEM SE	TTINGS			∰ *
1	+		THERMAL	PHOTO/VIDEO	DISPLAY	PROFILES/ZERO	SETTINGS
ו		Ā	Microphone				On 🌲
è		SD	Format SD (Card			
		Ð	Recoil Activ	ated Video			
-							
Э							
è							
/							
<i>'</i>							
-		•	CATEGORY		SUBCATE	GORY	SELECT



with ammunition, loading, or any other possible malfunction, simply press the left button to leave RAV calibration. Afterwards, please repeat the process. Once this has been accomplished your scopes RAV is calibrated to your caliber, grain, velocity, and platforms felt recoil.

By following this pro-

cess, you should be able to use RAV with the ammunition and platform used during the calibration process.

NOTE

We have conducted tests to 22 Air rifle and 22 Long Rifle successfully increasing the sensitivity of RAV.





SUBCATEGORY

SELECT

ZEROING

NOTE

Before zeroing your scope, please make sure the correct lens type is selected. You can check this by going to the System Settings and selecting Settings. You will see the subcategory Device Type. Please make sure you select the lens type of your scope.

This lets the system know which Scope you are actually using (example: Mars 4 19 mm or Mars 4 50 mm).

To Zero in your scope you will need to go to the Profile/ Zero section of the System Settings, or select it from the Shortcut Carousel.

To enter the System Settings, open Shortcut Car-

ousel with OK button (1) and select the wrench icon with RIGHT or LEFT but-

tons (2). Or select the Zero Reticle shortcut from the Shortcut Carousel.

Push the OK button 😟 to enter the menu.

Before you begin the Zeroing process, you will need to either create a new Profile or utilize an existing one. We recommend that a new profile be created to understand the process better.

Under the Profiles/Zero Category you will find the subcategories; Current, Other, Import from SD card, and Export to SD card. Select Other. There you will see Profile 1 and Create New Profile. Select Profile 1 and edit it. or create a new one and make changes to it. Once you select a profile, press the OK button 💓 to load it. Once the profile is loaded, it becomes your current profile.

	SYSTEM SE	TTINGS			間 * *
	THERMAL	PHOTO/VIDEO	DISPLAY	PROFILES/ZERO	SETTINGS
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盟	RAV calibra	ition			
Ы	Drag Functi	ion			G1 ≑
Ľ					0.26 >
ŧĒŧ	Bullet Weig	ht			55.00 gr⇒
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Ð	Zero Range				99.52 yd ⇒
	Sight Heigh	ıt			1.50 in →
	RETICLES	SETUP	X 32 / Y -20		
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20 milinitian 30					Introduction
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÷.	CHANGE POS	SITION			MENU

Profiles are primarily used in order to utilize your scope on various weapons. This way, when moving your scope from one gun to the next, you can simply select the Profile that you have already created for the particular gun you are using. Multiple profiles are also used to zero in the scope, on the same gun, but at different ranges. For example, one Profile may be called AR 50 yards and another AR 200 yards. Allowing you to create two separate profiles to better fine tune your shooting solutions for both shorter and longer range shooting.

In order to change the profile name to what you want, open the ATN Obsidian app and connect your Phone/Tablet to your scope.

NOTE

You will need to obtain a target that thermal is able to see. ATN sells Thermal Targets, or you can use any of the following items: Cold or Hot water bottle, hand warmers, or foil based tape.

To zero your rifle with the ATN device, you should follow the next few steps.

In the System Settings, Select the Profiles/Zero Tab. The main Subcategories of the Profiles/Zero are; Current, Other, Import from SD card, and Export to SD card. Select Current, by pressing the OK button

 Image: Constraint of the second s

💓. There you will see

Zero Reticle. We suggest you fill out all the ballistic info to the best of your ability before proceeding to Zero. This will save you time when you want to use the Ballistic Calculator at a later time.

CATEGORY

		THERMAL	PHOTO/VIDEO	DISPLAY	PROFILES/ZERO	SETTINGS
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E	1	RAV calibra	ation			
	R	Drag Funct	ion			G1 ≑
E	Z	Ballistic Co	pefficient			0.26 >
	Ē.	Bullet Weig	ght			55.00 gr >
:	:	Muzzle Vel	ocity		31	133.20 ft/s >
-	Ď	Zero Range	9			99.52 yd ⇒
		Sight Heig	nt			1.50 in →

Proceed to Zero the Reticle. Press the OK button

ito select Zero Reticle. You will see on your screen a cross hair reticle. While keeping the gun as steady as possible, fire a round. Use the key pad and scroll wheel to move the Red cross hair to the point of impact. While keeping the White crosshair in the

same place you where aiming. Once you have placed the Red crosshair on the

POI, press the OK button (). A dialogue box will appear with options. Select Save & Exit.

NOTE

Although you may not need more then one shot to Zero in your scope, we do recommend that you repeat the process several times to make sure that you truly are Zéroed in. As you gain experience in Zeroing in your scope it should take you no time at all to Zero it.

NOTE

In order to fine tune your zero. Select Zero Reticle once more. Press the

OK button 🖲 and select Zoom. Zoom in all the way and fire the weapon. If your POI is not where you had aimed, move the Red reticle to the POI and Exit & Save. This will insure your POI is the same on optical and maximum magnification.

RANGEFINDER





HELP INFORMATION

Using the Smart Range Finder will allow you to estimate the distance to your target, as long as you have reasonable knowledge of the size of your target.

NOTE

To have this feature enabled you must activate Advance Mode settinas.

NOTE

Once the distance is measured, the value will be automatically integrated into your Ballistic Calculator.

BANGEFINDER Select the Flag Icon from the Shortcut Carousel.

Pressing the OK button 💓 will take you to the Main Screen of the Rangefinder feature.

To measure the distance, follow the next steps:

1. Put the arrow-mark on the top of the target and press the OK button 🖳 wait for the scope to take the readings (it will take a number of readings so try to keep your weapon steady):



DISTANCE ENTRY

2. Put the arrow-mark under the target and press the OK button ()))

3. If satisfied with the

value that was gener-

ated, press the Func-

tion button to go back to the Homescreen or

repeat steps 1 and 2, if



NOTE

During the measurement process, you can zoom in and out using the Scroll Wheel.

necessary.

If the Target Height is incorrect you can change it:

- press the RIGHT button 💓 to enter the Menu:
- choose one of the presets or input the height manually;
- accept the height with OK button 💓 and go back to the Main Šcreen.

DISTANCE ENTRY

Allows you to input or correct the distance manually. Choose the Distance Entry option to launch this function.



?



Change distance value using the Scroll Wheel or Keypad buttons 2. To accept the new distance, press the OK button 💓.

BALLISTIC CALCULATOR





 SYSTEM SETTINGS
 Image: State of the state of the



appear in the top right corner of the screen.

Profiles which are not in use, are situated in the Other section. You can use an existing profile or create up to 6 new user profiles.

The Mars 4 has a fully integrated Ballistics Calculator that enables your scope to seamlessly adjust its point of impact. The first step in utilizing this function requires you to enter all relevant information into the Profile that is being used.

NOTE

To have this feature enabled you must activate Advance Mode settings.

NOTE

If you do not know all or part of this info (example: Initial Velocity) we recommend that you contact the manufacturer of the ammunition and/or the weapon that you are using. Generally this info should be found on the manufacturer's website.

Once your profile has



the Shortcut Carousel and follow the instructions in this section.

You will need to use your key pad and Scroll Wheel

or Keypad buttons (20), to find the Ballistic Calculator bullseye icon. If this function is off (indicated by a diagonal line running through the icon), you will need to turn it on by press-

ing the OK button 🖲 while having the icon selected.

You will see the diagonal line disappear and a Ballistic Calculator icon will To edit a Profile, select it (highlighted in red) and press the OK button . Choose the action you want to perform; Load, Copy (Duplicate) or Delete the selected profile.

ENVIRONMENT

NOTE

To have this feature enabled you must activate advance mode settings.

There are a number of Environmental elements that may be entered to increase the precision of your shots.

Wind:

Wind strengths and direction are by far the most important of the group, especially during medium to heavy winds. We highly recommend that if you plan to shoot at ranges over 300 yards. Take wind readings and enter the information into your sight. Both wind speed and wind direction are needed if you plan to make accurate shots. You can enter the information

		SYSTEM SET	TINGS					(?)	
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		Relative Hun	nidity			_		75 %	>
		Wind Speed						0.00 mph	
		Wind Direction	on						\$
		Temperature						77 °F	
		Barometric P	ressure					29.82 Hg	
		Altitude						88 ft	
	•	CATEGORY	4	SUBC	ATEC	GORY		• SELE	ст

through the Environment shortcut or your mobile device using the Obsidian App with a WiFi connection to your scope, whichever you find easier.

Humidity:

Humidity must also be entered through the Environment shortcut or by utilizing the Obsidian App.

Barometer Pressure, Altitude and Temperature:

Pressure, Altitude and Temperature will be set automatically using your sight's internal sensors.

Other Data Collected:

The angle of your scope, as in relation to your target, is also noted and the Ballistic Calculator takes the information into its calculations.

SMART MIL-DOT-RETICLE

ATNs Smart Programmable Mil Dot reticle, depending on your load, you can program the variance between hash marks in Mils into this Smart Mil Dot Reticle. Also, this reticle is Dynamic and adjusts with magnification throughout the entire zoom range! Plus, you can also use the ATN Ballistic Calculator to give you instantaneous POI adjustments with a Teal dot, on the reticle, giving you exactly where to place your hold over. Happy Shooting!



		SYSTEM SET	TINGS			國 ※ ?
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	④ 52 56 56 4	THERMAL Current Other Import from S Export to SD Zeroing ABL	PHOTO/VIDEO SD Card Card	DISPLAY		SETTINGS
	••••••••••••••••••••••••••••••••••••••	THERMAL Current Other Import from 3 Export to SD Zeroing ABL MIL-Dot-retid	PHOTO/VIDEO SD Card Card	DISPLAY		SETTINGS → → A.5 ◆
	••••••••••••••••••••••••••••••••••••••	THERMAL Current Other Import from 3 Export to SD Zeroing ABL MIL-Dot-retid	PHOTO/VIDEO SD Card Card	DISPLAY		SETTINGS → → A.5 ◆

There are two ways you can use the ATN Smart Mil Dot reticle. You can use it as a standalone Mil Dot reticle or you can have the ATN Ballistic Calculator assist you in its use.

In standalone form, the reticle will allow end users to have a verified distance between hash marks at all magnification levels.

Follow the next few steps to setup the Smart Mil Dot reticle.

1. Click OK center button

2. Select System Settings.

Navigate to Profile/Zero.
 Select Mil-Dot-reticle value, use your scroll wheel

to set the desired value,

and click OK button (1). 5. Scroll up to Current Profile and click OK (1).

6. Go to the Display Tab in system Settings and select the Mil-dot reticle. Return to Homescreen.

To use the ATN Smart Mil Dot Reticle with your Ballistic Calculator follow the setup process outlined in the Ballistic Calculator

section, insuring that you have the correct profile load setup, Ballistic Calculator is turned ON, environmental settings are correct, having the advanced settings activated. Once all of these items are setup properly and you have selected the Mil Dot reticle from the available reticles in the Display section of the settings. When you return to the Home Screen, you will see the ATN smart Mil Dot reticle with a Teal Dot indicating your new POI/POA instead of the reticle moving to the POI/POA.

NOTE

Depending on the Mars 4 you have the Smart Mil Dot hash mark variance will differ: 19 mm - 4.0-10, 25 mm - 4.0-10, 50 mm - 2.0-10, 75 mm - 1.0-10.

You are advised not to turn the system type to another just to utilize a smaller Mil Dot value. This will result in unsafe shooting as the reticles are sized to the field of view, and will otherwise provide a wild shot. Secondly, the system will crash due to elements of the screen overlapping (75 mm having 4x the hashes in the same distance).

HOW TO PERFORM A NUC

NUC'ing helps to improve the image quality when the image is degraded by various environmental factors. There are multiple NUC tables that span the full operating temperature range, and the camera automatically selects the optimum table based on its temperature.

You can set the system to perform a NUC automatically at a predefined time interval. Or, you can turn the automatic NUC off and NUC the system manually, when required. Also, you can use the NUC shortcut from the Home Screen by pressing the Power button, provided that you activated this shortcut in the system settings.



Example: Change of temperature, continuous viewing of a particular warm object, and movement from one environment to another all may cause image degradation.

1	

To clean up the image you will need to select NUC from the Shortcut Carousel after you select to NUC the system. The scope will perform the required calibration improving the visual quality of the image.

PIXEL CORRECTION PROCEDURE

Pixel Correction Procedure is intended to correct "neutral" pixels that are visible in the FOV, but are not responding to the changing environment or scenery. They may be white or black and remain static and or nonresponsive.

- 1. Enter the Shortcut Carousel by pressing the OK button 🧭
- 2. Select System Settings.
- 3. Select Thermal Category.
- 4. Select Pixel Correction Subcategory.
- 5. Select Manual Correction.

the zoom function.

6. You should see a targeting reticle, use the key pad and Scroll Wheel to move the reticle over the neutral pixel. If it is hard to target the neutral

pixel, press the OK button () and select Zoom. Use the Scroll Wheel to zoom in and out, on to the neutral pixel in order to isolate it. Once you have isolated the neutral pixel, press the OK button () to escape from

7. Once the reticle is positioned over the neutral pixel, press the OK button and select Save. This should correct the pixel.

NOTE

If after you have done the procedure outlined above and the neutral pixel has not been corrected. Try the process on a pixel directly adjacent to the neutral pixel in order to make a uniformed correction in the FOV.

RETICLE STYLE ADJUSTMENT

		SYSTEM SET	TINGS		# # #		
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•	*	THERMAL Shape		DISPLAY	PROFILES/ZERO		



- *

ACCEPT

You can manage reticle style in the System Settings (Display section).

To enter the System Settings, open the Shortcut Carousel by pressing the

OK button () and selecting the wrench icon with RIGHT or LEFT buttons

g.

Press the OK button 🖲 to enter the menu.

Choose Display in Tab Menu. Movement between the tabs is carried out using the LEFT and RIGHT buttons (2).

Using the Scroll Wheel or Keypad buttons (20), select the Reticle Style subcategory. Press the OK button

🝥 to select it.

To change the Reticle Shape press the OK button

Select the preferred Reticle style that suits your preference. Use the scopes Key Pad arrows to switch between shapes.

To accept the Reticle, press the OK button (20).

You can change Reticle Color to whatever color suits your preference.

Movement between the colors is carried out using the LEFT and RIGHT buttons I. Press the OK button I to accept your color.

SYSTEM SETTINGS

THERMAL

CONTRAST — the difference in luminance and color that makes an object more distinguishable. You may adjust the settings to Low/Medium/High.

THERMAL SENSITI-VITY — Allows you to select how sensitive the Thermal Sensor is in picking up thermal heat signatures.

		SYSTEM SE	ITINGS			题
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	ê	Auto NUC				Off 🌲
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	•	Color palett	es			
	\mathbf{x}	Pixel Correc	tion			
	٠	CATEGORY	4	SUBCATE	GORY	SELECT

METERING MODE — The Center mode tells the sensor to concentrate on the heat signature in the center of the field of view and ignoring the background.

The Matrix mode tells the sensor to look at the heat signature in the entire field of view and the background to give you a better image of the entire scene.

POWER BUTTON NUC — Turning this option ON, will allow you to do a quick NUC by tapping the Power Button on your control pad.

COLOR PALETTES — The range of colors used for thermal imaging.

PIXEL CORRECTION — This feature is intended to correct "neutral" pixels that are visible in the FOV, but are not responding to the changing environment or scenery. They may be white or black and remain static and or non-responsive.

PHOTO/VIDEO

PHOTO MODE — includes Single (capture a single photo).

MICROPHONE — sound recording (ON/OFF).

FORMAT SD CARD — after you choose this subcategory you'll see a pop-up window asking you about formatting.



RECOIL ACTIVATED VIDEO

- Record Before Shot the time before pulling the trigger (5 30 sec).
- Record After Shot the time after pulling the trigger (5 30 sec).

DISPLAY

SCREEN BRIGHTNESS. Gives you a 1 to 5 numerical selection, with 1 being the dimmest and 5 the brightest. It is recommended that you use the brightest setting during the day for optimal performance.

DISPLAY WIDGETS — allows you to disable several widgets (Minimal/Extended).



RETICLE COLOR

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	SYSTEM SETTINGS				8 % ?		
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						3	\$
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	С	Sleep Mode					
	::	Reticle Style					
	۲	Language				English	
	•	CATEGORY	-	SUBCATE	GORY	SELEC	

PROFILES/ZERO

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1	Ď	Shot count					
	▶ (CATEGORY	4		GORY	SELECT	

		SYSTEM SET	TINGS			(? 後
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	R	Drag Functio	n			G1 ≑
	Ŋ	Ballistic Coe	fficient			0.26 →
	(Ē)	Bullet Weigh	t			55.00 gr >
	::	Muzzle Veloc	ity		3	133.20 ft/s >
	Ð	Zero Range				99.52 yd ⇒
		Sight Height				1.50 in ⇒
	٠	CATEGORY			GORY	SELECT

OTHER

- Profile Name list of existing profiles.
- Create New Profile allows to create up to 6 profiles.

SETTINGS

UNITS — can be Metric or Standard system. DATA AND TIME

- Clock Source allows you to choose different types of source to improve the accuracy (Manual, WiFi).
- Date Format can be YYYY-MM-DD, MM-DD-YYYY, DD-MM-YYYY.
- Time Format form of stating the time (24-hour or 12-hour).

SLEEP MODE

- Sleep Mode allows you to switch the mode (ON/OFF).
- Hibernation Time can be 1 60 min.
- **RETICLE STYLE**
- Shape you can choose the shape of your Reticle.
- Color you can choose the color of your Reticle.

CURRENT

• Zero Reticle — allows to enter zeroing mode.

- Drag Function the flight path and characteristics of bullets divided into types (G1 – G8, GL)
- Ballistic Coefficient measure of bullet's ability to overcome air resistance in flight.

• Bullet Weight — influences the kinetic energy of the bullet downrange.

• Muzzle Velocity — is the velocity of the projectile as soon as it leaves the barrel.

• Zero Range — is the range that a firearm is sighted at.

• Sight Height — is referring to the distance between the center of the optics and the center of the barrel.

- Date enter the date.
- Time enter the time.
- Time Zone allows you to choose a geographical region with standard time.

WIFI AND BLUETOOTH

- WiFi values are not changeable.

 Remote controller – Allows for pairing of X-Trac remote.

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	۲	Device Seria	ıl			X-X-b	4sF
	•	CATEGORY		SUBCATE	GORY	• S	ELECT

- Remote Controller Orientation Allows you to choose the orientation of the remote, changing the direction of the scroll wheel.
- Rangefinder Allows for pairing of the LBRF.
- ABL Allows for pairing of the ABL Rangefinder.
- ABL Mode Allows you to change the mode in which the ABL will function. Standard or Fog mode.
- WiFi Info.
- BinoX LRF.

DEVICE TYPE — to make all features work correctly you need to choose the type of lens you have.

ZOOM — allows you to choose different types of zoom (Standard, Extended). Extended Zoom will give an electronic zoom of 10x your optical Zoom.

Example: 3–14x in Extended mode becomes 3–30x. However, we would like to caution you that you will begin to see considerable pixelation at such a zoom.

RESTORE FACTORY SETTINGS — allows to reset all the settings to default.

 $\mathsf{FIRMWARE}\ \mathsf{VERSION}\ -$ allows you to see the firmware version currently running on your sight.

We recommend that you register your product on our home page (www. atneu.com) in order to make sure that you are getting emails when new firmware versions become available.

We are constantly working on new features, functions, and improvements that we provide to you free of charge via firmware upgrades.

BIX TECHNOLOGY

ABL PAIRING

NOTE

Make sure you have the Advanced Settings turned on in the Shortcut Carousel before proceeding.

- Insert battery into ABL and turn unit on via power switch.
- Activate Bluetooth within the carousel menu in the scope.
- Enter the System Settings menu via carousel Wrench icon.
- Navigate to settings menu at far right.
- Select WiFi and Bluetooth option.

			DICDLAY		SETTINGS
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(0)	Rangefinder				
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q	ABL mode				Standard 🌲
С	WiFi info				
۲	Binox LRF				Off 🌲
۲					

CATEGORY



• Select ABL option in the menu.

 Select pair from the ABL dropdown menu.

• You'll notice the Bluetooth icon, in the upper right of the display, you will now have a swirling circle around it. This indicates the scope is searching for available Bluetooth devices.

• Short press the small button on the ABL with the Bluetooth symbol, quickly 2 times.

 You'll now see that the Bluetooth icon in the upper right of the display is enveloped in a colored circle. White in day mode and yellow in night mode. After the pairing has completed, the ABL menu option will display "Paired", to the right.

 Exit the setting menu and proceed to the PROFILES/ZERO menu.



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	Rangefinde	r				
•					Paired >	
q	ABL mode				Standard ≑	
З	WiFi info					
۲	Binox LRF				Off 🌲	
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• Navigate down to the Zeroing ABL menu option and select it. The ABL reticle will now appear on screen.

• Having previously removed the Allen screw that covers the visible red laser, you can now move the ABL reticle to the correct area of the display to align the reticle with the infrared ranging laser. The visible red laser is used as a visual reference point for zeroing. Use the arrow keys on the keypad to move the reticle to the correct position.

• Once the box area of the ABL reticle is centered around the red laser, press

the OK button 👀 to confirm the reticle correction.

• Exit the menu and return to the Homescreen/Main reticle screen of the scope.

• To range a target, press and release the Function button. The ABL reticle will instantly appear on screen. Place the box area of the ABL reticle on the desired target and hold it there until the ranging process times out. You'll now see the range in the upper left of your extended widgets has updated and indicates the correct range to the target you just ranged.



NOTE

If you don't want to wait for the ranging function

to time out and need a quick range measurement press the function button to initiate ranging and press it once again to save the range to target.

LASER BALLISTICS PAIRING

- To do this you'll need to power up the scope and allow it to reach its base reticle screen (home screen).
- After reaching the home screen you'll next press the OK button 💓 on the scopes keypad, which will bring up the carousel menu.
- Press the LEFT arrow button 🗐 until you reach the feature icon area of the menu (you'll notice the WiFi icon. WiFi will be written in text in the upper left of the display).
- Using the UP or DOWN arrow keys 2 on the keypad you will scroll until the BLUETOOTH icon is displayed in the center of the screen.
- Press the OK button I to un-slash the icon. This indicates the activation of BLUETOOTH.
- Use the UP or DOWN arrow keys 2 to scroll to the BALLISTIC calcula-

tor icon and use the OK button it to un-slash it. This will save time and steps later when the LBRF is connected to the scope and ready for use with the ballistic calculator program.

 Scroll to the SYSTEM SETTINGS icon in the carousel menu (indicated by a wrench in the center of the screen, and the text "SYSTEM SETTINGS"

in the upper left of the display). Press the OK button 🖲 to access the SYSTEM SETTINGS MENU.

- Use the LEFT arrow key (1) to navigate to the SETTINGS section of the menu.
- Scroll down to the "WiFi and Bluetooth". Select this option by hitting the OK button (20).
- A new menu will appear. Scroll down to "Rangefinder" and select this option using the OK button (20).
- A new menu will appear containing the options "Pair" and "Unpair". Select the option to pair. This will activate Bluetooth searching, which searches for available Bluetooth devices. You'll notice that the Bluetooth icon in the upper right of the scope's display has a swirling circle around it indicating the search for the rangefinder.
- Next you'll need the rangefinder in hand to press the power button on it. Press the power button on the rangefinder twice. This will sync the two devices. You'll then see "Paired" to the right of "Rangefinder" in the menu. Now you can exit the menus and return to the home screen.

BINOX 4K/4T PAIRING

- If you would like to use your ATN BinoX 4K/4T to transmit the range data to your ATN Smart HD scope via Bluetooth, please follow the next few steps in order to accomplish this.
- Make sure you have activated the advanced settings in your BinoX 4K/4T.
- Open the shortcut Carousel → System Settings → Settings → WiFi & Bluetooth → Broadcast LRF.
- Select Broadcast LRF and switch it "ON".
- Turn on your ATN Smart HD scope. Make sure you have activated the advanced settings in the shortcut Carousel.
- Open the shortcut Carousel → System Settings → Settings → WiFi & Bluetooth → BinoX 4K/4T LRF.
- Select BinoX LRF and switch it "ON".
- Now take your ATN BinoX 4K/4T and Short Press the power button. You should see the Rangefinding reticule appear. Once the BinoX ranges the target, the range data will automatically be transfered to your ATN Smart HD scope. If you have the Ballistic Calculator turned on and the Ballistic profile has been setup, your POA will change based on the reading the ATN Smart HD scope receives from the ATN BinoX 4K/4T.

X-TRAC PAIRING

- Activate the Bluetooth function in your ATN Smart HD Scope.
- Enter the system setting from the menu.
- Select the Settings Category.
- Select the WiFi and Bluetooth subcategory.
- Select Remote Controller.
- Select Pair. You should see a half circle move around in the upper right side of the screen around the Bluetooth Icon.
- Press and hold the Home Button and Top Arrow Button closest to the Directional Roller for 2 seconds, this will pair the X-TRAC to your scope.

NOTE

If you need additional trouble shooting assistance or how to use the X-Trac please refer to the X-Trac manual available online.

WARNINGS AND CAUTIONS

- Always remember to turn off the device when it is not in use.
- Do not disassemble, drop, open, crush, bend, deform, puncture, shred, microwave, incinerate, paint or insert foreign objects: it will void your warranty.
- Keep the scope in the provided protective cover when not in use.
- Avoid contact with dust, steam, and gas.
- This product contains natural rubber latex which may cause allergic reactions.
- The scope is a precision electro-optical instrument and must be handled carefully.
- Do not scratch the external lens surfaces or touch them with your fingers.

CAUTION

Failure to follow these safety instructions could result in damage to the device!

MOBILE APPLICATIONS

Control your device and view a live streaming feed with our ATN Obsidian 4 app. After connecting your phone or tablet via WiFi to your ATN device, you can see on your phone/ tablet screen what is shown in your optic's viewfinder.



Want to see what you've recorded so far? No problem open up the Gallery and playback your latest adven-

tures. All your photos and videos are right at your fingertips.

In order to download the latest version of the ATN Obsidian 4 app. Please visit the iOS store or Google Play store. Search for "ATN Obsidian 4" install the application.

To connect your ATN device to your smart phone or tablet, you must first enable WiFi on your ATN device via the shortcut carousel. Once enabled, you can access your WiFi settings on your phone or tablet and select the respective SSID (DeviceName_XXXX) to establish the connection. The default password is "atnsmarthd".

Once the connection has been successfully established, open your ATN Obsidian 4 app and your respective device should be shown on the home screen. Tap the button with your devices name to control your device, access live streaming as well as the gallery from your phone or tablet.

AppStore iOS Application

Android Application

3 YEAR PRODUCT WARRANTY

This product is guaranteed to be free from manufacturing defects in material and workmanship under normal use for a period of 3 (three) 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 Europe LTD, at its option, will either repair or replace the product, and such action on the part of ATN Europe LTD shall be the full extent of ATN Europe LTD'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 Europe LTD without prior written consent of ATN Europe LTD; (d) special order or "close-out" merchandise or merchandise sold "as-is" by either ATN Europe LTD or the ATN Europe LTD 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 Europe LTD. ATN Europe LTD shall not be responsible for any defects or damage that in ATN Europe LTD'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. This warranty is extended only to the original purchaser. Any breach of this warranty shall be waived unless the customer notifies ATN Europe LTD 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 Europe LTD 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 Europe LTD'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 Europe LTD 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 Europe LTD and the Customer; ATN Europe LTD's obligations under this Agreement extend solely to the Customer. ATN Europe LTD's liability hereunder for damages, regardless of the form or action, shall not exceed the fees or other charges paid to ATN Europe LTD by the customer or customer's dealer. ATN Europe LTD 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 Europe LTD must receive a completed Product Warranty Registration Card for each unit or complete warranty registration on our website at www.atneu.com. Please complete the included form and immediately mail it to our Service Center: ATN Europe LTD, Bulevard Tsarigradsko shosse 7-11 km. Parking lot of METRO 1 store, Sofia Bulgaria 1784.

OBTAINING WARRANTY SERVICE

To obtain warranty service on your unit, End-user must notify ATN Europe LTD service department by calling +359 884974545 or via e-mail **support@** atneu.com to receive a Return Merchandise Authorization number (RMA).

Merchandise Authorization number (RMA).

When returning please take or send the product, postage paid, with a copy of your sales receipt to our service center, ATN Europe LTD at the address noted above. All merchandise must be fully insured with the correct postage; ATN Europe LTD will not be responsible for improper postage or, missing or damaged merchandise during shipment. When sending product back, please clearly mark the RMA# on the outside of the shipping box. Please include a letter that indicates your RMA#, Name, Return Address, reason for service return, Contact information such as valid telephone numbers and/or e-mail address and proof of purchases that will help us to establish the valid start date of the warranty. Product merchandise returns that do not have an RMA listed may be refused or a significant delay in processing may occur.

Estimated Warranty service time is 10-20 business days. End-user/customer is responsible for postage to ATN Europe LTD for warranty service. ATN Europe LTD will cover return postage/shipping to European Union countries end-users/customers after warranty repair only if product is covered by aforementioned warranty. ATN Europe LTD will return product after warranty service by domestic TNT ground and/or domestic mail. Any other requested, required or international shipping method the postage/shipping fee will be the responsibility of the end-user/customer.

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For customer service and technical support, please contact

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support@atneu.com atneu.com

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