



TrackingPoint™

EXTREME WEAPONS FOR AN EXTREME WORLD



M300 Owner's Manual

Important! Read all instructions and warnings in this manual and your firearm's manual before using your RapidLok™ Precision Guided Firearm

Thank you for purchasing a TrackingPoint Precision Guided Firearm. The Precision Guided Firearm (PGF) developed by TrackingPoint is the most accurate shooting system in the world. The RapidLok™ technology solves multiple problems that long-range shooters face. RapidLok™ ensures repeatable performance and accuracy even at extended ranges.

This owner's manual covers the following Precision Guided Firearm:

M300

5.56 chambered

16" Barrel

2-14x Zoom

300 Yard Point Blank Range



Note: The Precision Guided Firearm has been designed and built to be water-resistant and handle all reasonable and foreseeable hunting conditions. Never submerge the unit in water. If the unit becomes exposed to excessive moisture, wipe it dry immediately.

Warning! No user maintenance or service is required inside the product. If service is required, return the product to the manufacturer. Disassembly of the unit may cause exposure to hazardous laser radiation, leading to personal injury.

Warning! Discharging firearms in poorly ventilated areas, cleaning firearm and firearm components, or handling ammunition may result in exposure to lead and other substances known to the State of California to cause birth defects, reproductive harm, cancer and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.

Firearm Safety Rules

All firearm safety rules apply to this Precision Guided Firearm. Handle your PGF like any other conventional firearm.

- 1. Treat every firearm as if it were loaded.**
- 2. Never point a firearm at anything you do not intend to shoot.**
- 3. Always be sure of your target and what is beyond it.**
- 4. Keep your finger off of the trigger until you intend to fire.**
- 5. Keep the safety engaged until you intend to fire.**
- 6. Only use the correct XactShot™ ammunition.**

This rifle system is designed for a specific cartridge. The ammunition that this rifle is chambered for is engraved on the magazine well. Use of ammunition other than the type it was designed for could result in serious injury, death, or suboptimal performance. Use only XactShot ammunition.

- 7. Do not alter your Precision Guided Firearm.**

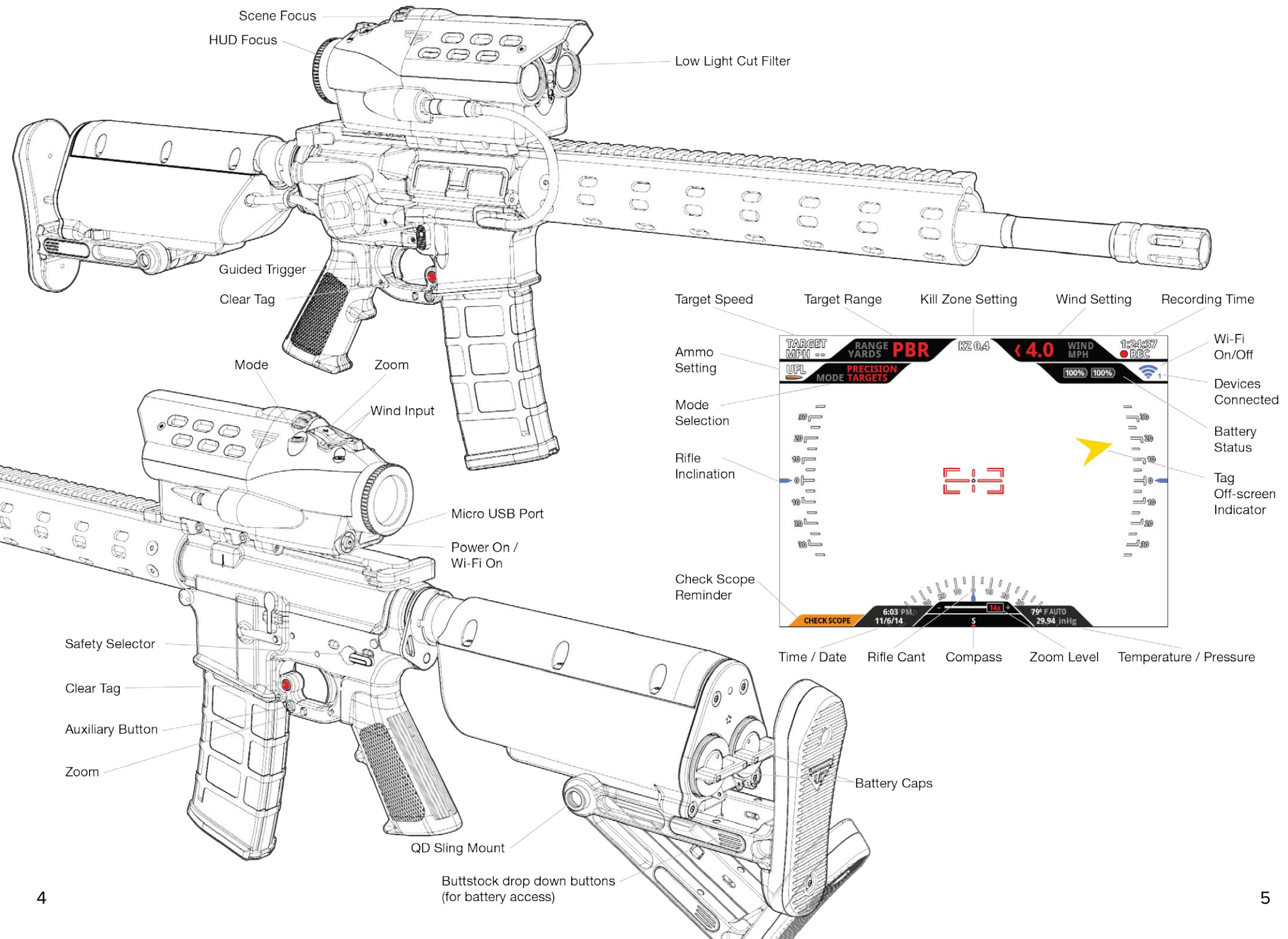
Any unauthorized modifications to the RapidLok system, including rifle, networked tracking optic, and/or Guided Trigger could have serious safety repercussions and will void warranty.

- 8. This firearm will fire when powered off if the trigger is pulled.**

Warning! The Guided Trigger is NOT a Safety.

Warning! Be sure of your target and what is beyond it. Never fire unless you know exactly where your shot is going and what it will strike. Never fire at a sound, a movement or a patch of color. A hunter in camouflage can easily be mistaken for a target by an impulsive shooter. Before you pull the trigger, be absolutely sure of your target and what's behind it. Make sure the shot has a backstop such as a hillside or dense material like sand. Remember, bullets can travel great distances with tremendous velocity. Know how far your shot will go if you miss your target or the bullet ricochets. A misplaced shot may cause property damage, personal injury and/or death.

Equipment Overview



Batteries

Charging batteries

Fully charge batteries before first use.

Under normal use your PGF will operate for 3.5 hours with two batteries installed.

Note: Battery life of the system while in use depends on several factors including frequency of ranging, taking Tag-and-Shoot shots, streaming video with Wi-Fi on, and environmental temperature.

Charging time is approximately 3 hours depending on power level remaining.

1. Plug the charging cradle into a wall outlet.
2. Insert batteries and make sure they securely lock into place.
3. The LED corresponding to the battery will turn on when the battery is properly inserted. LEDs indicate battery charging status as follows:
 - Charging = flashing green LED
 - Fully Charged = solid green LED
 - Error = rapid flashing LED
4. To remove battery, press corresponding button on top of the charger.

Installing batteries

The buttstock can hold two batteries but is only powered by one at any time.

1. To allow access for batteries to be installed, you must first lower the buttstock pad by pressing the buttons on both sides of the buttstock pad support using thumb and index finger.
2. Remove battery caps by rotating counterclockwise.
3. Insert a fully charged battery and replace cap.
4. Insert battery cap, rotate clockwise while firmly pressing until it clicks. The battery caps have a built-in ratcheting mechanism to indicate when properly closed.

IMPORTANT! The battery cap threads and O-ring are lubricated at the factory to ensure a water tight seal when closed. If battery cap threads become contaminated with dirt, it is possible that the caps may not fully seat when ratchet mechanism clicks. If caps become difficult to close simply wipe the threads clean with a cloth and periodically re-apply a light silicon lubricant.

Replacing batteries

Make sure you do not unplug the battery that is currently powering the scope.

The battery actively powering the scope will be displayed in BLUE under normal use and will turn RED as a reminder to check that your alternate battery is fully charged.

Batteries displayed in the HUD correspond with the batteries location in the stock, left and right.

It is okay to replace a low or dead battery while scope is powered on.

If you happen to remove the battery powering the scope, it will simply power down and you will need to install a charged battery and press the power button to restart.

PGF Modes

Your Precision Guided Firearm has four standard modes of operation - Suppressive Fire, Precision Targets, Precision Movers, and Auto-Acquire with an optional NIGHT mode on specific models. Each mode is designed for optimal performance for various shooting requirements. The Mode button on top of scope, sequentially toggles between all modes to allow for quick mode changes. The mode currently set is displayed in the HUD.

Suppressive Fire

Suppressive mode is useful for conventional shooting at short ranges where a precision guided shot is not required. In Suppressive Mode the Guided Trigger is disabled and the firearm should be treated like any other traditional semi-automatic rifle.

This mode is active within 2 seconds of powering the system on for rapid engagement.

Precision Fire Targets

Precision Target mode is optimized for Tag-and-Shoot shots on stationary targets or game that are typically harvested while grazing.

All Precision mode HUD elements are displayed to provide sensor readings, and most importantly, confirmation of correct system configurations including the following:

- Wind Setting, which must be correctly input.
- Ammunition selected, which must be correctly configured in the scope.
- Desired kill zone.

The Tracking optics Inertial Measurement Unit and ballistics engine handle everything else so you can focus on tag placement. The cant and inclination of the PGF are displayed in the HUD, however the system automatically compensates by updating the firing solution in real time.

Precision Fire Movers

Precision Movers mode is optimized for Tag-and-Shoot shots on moving targets or game that are active or typically moving when harvested up to speeds of 15 mph.

Tracking and shooting moving targets can be challenging. Depending on range and target velocity, the amount of target lead can be 20 feet or more. The RapidLok system knows the target velocity (displayed in the HUD) and takes care of the target lead when it sets the ballistics for the moving target. With the RapidLok system, you engage a mover just as you would engage a static target. Even though the HUD gives the appearance of aiming directly at the target, the gun barrel is actually pointing in front of the target to provide the proper lead.

Tagging a mover – A moving target can be tagged either while the target is stationary or while it is moving.

Firing at a mover – The shooter uses the standard RapidLok procedure to fire on a mover by aligning the reticle with the tag while squeezing the trigger. In general, TrackingPoint recommends only shooting at movers that are crossing relative to the shooter location.

Recommended kill zone for shooting movers – TrackingPoint recommends a kill zone setting of 0.5MOA for movers. This setting will make it easier to get a shot off while slewing the gun to the target as it moves.

Tracking movers – As moving targets move behind brush or other obstacles, track will be lost. If a moving target turns or changes orientation, the tag may drift off of the original tag point requiring the shooter to reset the tag. If your target is in a herd of animals, it is possible for the tag to jump to another animal requiring the shooter to reset the tag point.

Auto-Acquire

Auto-Acquire mode allows you to automatically tag previous tag location for subsequent shots.

Operating your PGF

Important: Read all instructions and warnings in this manual and your firearm's manual before using your TrackingPoint RapidLok™ System.

Power Button

Press the Power button to turn on the scope.

The power button LED and HUD will turn on.

Note: The scope will boot up in Suppressive mode within 2 seconds. It may take up to 15 seconds before all buttons are active and the Precision modes can be selected.

Power Off

Press and hold the Power button for 3 seconds to turn off the scope.

Power On/ Wi-Fi On

When the scope is powered on, click the Power button to turn on the Wi-Fi function. The Wi-Fi icon will appear in the HUD.

To turn off the Wi-Fi function, click the Power button. The Wi-Fi icon will turn off in the HUD.

The number of connected smart devices is displayed next to the Wi-Fi icon. A maximum of 5 devices can be connected simultaneously.

Mode Button

Press to toggle between Suppressive, Precision Targets, Precision Movers, and Auto-Acquire modes. The scope will always power up in Suppressive mode.

Zoom Rocker

There are two sets of zoom control for the users preference, one on top of the scope and one on the trigger guard.

Press the Zoom button forward to zoom in.

Press the Zoom button backward to zoom out.

Current zoom level is displayed at the bottom center of the HUD.

HUD Focus

The Head Up Display must be focused prior to adjusting scene focus to obtain maximum clarity. Rotate focus ring at the back of scope while looking at the smallest text elements within the Head Up Display. Once they are in focus to your vision, no further HUD focus adjustments should be required.

Scene Focus

Once the HUD Focus has been set, the Scene Focus knob should be the only focus adjustment needed while using your PGF.

Rotate the Scene Focus knob clockwise or counterclockwise after zooming in or out to adjust image clarity.

Wind Button

Shooter MUST assess wind conditions, and input if necessary prior to making a precision shot.

Press to set wind to current conditions in half mile per hour increments right or left relative to the orientation of the barrel. For example if the wind is blowing right to left, setting should show arrow pointing left.

Current wind setting will be displayed in the HUD.

Clear Tag Button

This button is used to clear a tag position in Auto-Acquire mode only. In Precision modes the tag automatically clears on trigger release.

Auxiliary Button

The auxiliary button located on the trigger guard is an alternate Mode button.

Guided Trigger

Never pull the trigger unless you are on target and intend to fire!

Do not attempt to modify the trigger in any way, shape, or form. Doing so will void warranty and could result in serious safety repercussions, including injury or death.

Suppressive Mode

In Suppressive Mode, the trigger is not guided and will not block. When the trigger is pulled and Safety selector is set to "Fire" the gun will fire as a normal semi-auto rifle.

Precision Modes

The Guided Trigger is not a safety. Do not squeeze the trigger until you are aiming at the intended target.

In Precision Modes the Guided Trigger is blocked from firing until the tag you place and the reticle are re-aligned. When the Guided Trigger is partially pulled, the system will stabilize the image and continuing with a full pull of the trigger a tag will be placed and begin tracking. When trigger is fully pulled and the reticle is perfectly aligned with tracking tag the Guided Trigger will unblock, releasing the round. The system cannot fire by itself. 100% of the force required to launch a round comes from the shooter.

Temperature Sensor

When the scope is powered on, it automatically reads the temperature used for calculating ballistics.

Temperature can also be manually set using the HUD Console, in cases where solar radiation cause the temperature sensor to provide an inaccurate reading. (See HUD Console)

Eye Guard

The eye guard is designed primarily to shield the shooters iris from the sun allowing clear visibility of the display.

The eye guard is also designed as a stand-off from the scope and should remain attached to the scope to lower the probability of injury.

The eye guard is a safety device and is not a guarantee against injury.

Installing and removing the eye guard

To install, carefully align threads of the eye guard to the eye piece and rotate clockwise until it seats. Do not over tighten.

To remove, hold the eye piece focus ring in one hand and the eye guard in the other. Rotate the eye guard counterclockwise, making sure the eye piece focus ring does not rotate, until it disassembles from the scope.

Cut Filter

The objective lens contains a flip down cut filter, that when lowered, will enhance visibility in very low light conditions, generally around dawn and dusk.

If the HUD image becomes RED after lowering the cut filter, conditions are too bright and the cut filter should be placed back in the normal closed position.

Note: The TrackingPoint system will generally provide adequate imaging starting at dawn and ending at dusk. In some states it is allowable to hunt for brief periods before dawn and after dusk. Depending on topography and direction you may or may not have adequate light before dawn and after dusk for hunting.

USB Port

The Micro USB port has been designed to interact only with future approved TrackingPoint accessories. Do not insert anything in to the USB port that is not an approved TrackingPoint accessory.

Buttstock

The buttstock has 2 positions to adjust the length of pull. To adjust, remove the four (4) screws as shown, position in the new location and reassemble.

Video/Audio Recording

In Precision modes the tracking optic automatically records video and audio and takes snapshots of all of your shots. You can download videos at any time using the TrackingPoint App.

Every time the trigger is partially pulled in Precision modes, a video starts recording.

Video recording automatically stops 15 seconds after each shot is fired. A sequence of rapid Tag-and-Shoot shots will result in a longer video.

Available recording storage capacity on the scope is displayed in the HUD as recording time remaining.

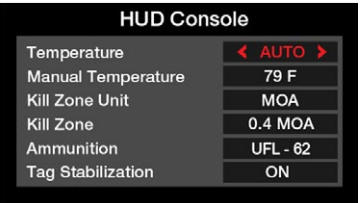
A "Video Full" message is displayed in the HUD when storage capacity is full. You will need to download or delete videos before additional recording can continue.

Iron Sights

If desired, the rifle can be fitted with it's original sights. These sights were shipped in the box with the PGF.

HUD Console

The HUD Console allows user preferences to be set and adjusted within the scopes HUD.



- To Enter the HUD Console:
1. Press and HOLD the Mode button on scope for 2 seconds to bring up the HUD Console.
 2. Press the Zoom button [Up/Down] to select the function you want to change.
 3. Press the Wind button [Right/Left] to modify current setting.
 4. Press the Mode button again to save changes and exit the console.

Temperature - Manual Setting

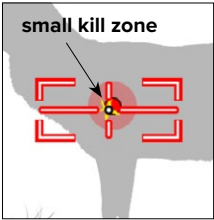
When the scope is first powered on, it is set to automatically read temperature. Temperature can also be manually overridden using the HUD Console in cases where the temperature of the air along the bullet's flight path is different from that at the shooter's position.

Temperature is displayed in the advanced mode HUD and indicates if it has been Automatically or Manually set.

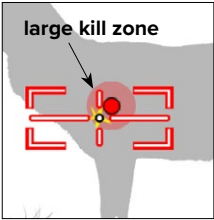
- Examples of when temperature may need to be manually set.
- If shooting from a hunting blind where the temperature in the blind is significantly different than the target's location.
 - Solar radiation from direct sunlight onto the scope can cause the temperature sensor to provide an inaccurate reading.

Kill Zone

The kill zone is the point of impact tolerance the shooter sets for when a Tag-and-Shoot shot is released. The shot is released (fired) at the closest point to center of the tag during reticle and tag alignment.



- Example 1 - Small kill zone as the armed firing solution's path intersects the tag.
- A smaller kill zone can result in a more precise shot but may take longer to align the firing solution with the tag, resulting in a slower time to fire shot.



- Example 2 - Large kill zone as the armed firing solution's path intersects the tag.
- A larger kill zone can still result in a precise shot depending on how close the shooter aligns with the center of the tag. If the shooter aligns anywhere within the kill zone the system will fire.
- A larger kill zone will allow for faster alignment of the firing solution with the tag, resulting in faster time to fire shot.

Note: A larger kill zone setting does not necessarily cause a more inaccurate shot. The TrackingPoint scope uses a “Closest Approach” algorithm. If you are aligned perfectly or moving toward perfect alignment, the trigger weight remains inflated until you reach the closest point to the center of the kill zone.

Kill zone setting is displayed at the top center of the HUD.

When to change kill zone setting

The size of the kill zone effects the precision and time it takes to make a tagged shot as described in previous examples. General guidelines are below, however the skill of the shooter will also affect ability to quickly make tagged shots at various kill zone sizes. The system's kill zone can be set between 0.1 MOA up to 4.0 MOA

Advanced Targets mode - 0.2 MOA kill zone size is recommended for shooting static targets that allow more time to align firing solution and tag.

Advanced Movers mode - 0.5 MOA kill zone size is recommended for shooting moving targets. This setting will make it easier to get a shot off while slewing the gun to the target as it moves.

Ammunition

You MUST configure the scope to the correct XactShot ammunition you are using at all times. Ammunition is set using the HUD Console or the Settings feature in the TrackingPoint App.

Only use XactShot ammo in your Precision Guided Firearm. The ammunition that your rifle is chambered for is engraved on the lower receivers magazine well. Use of ammunition other than the type it was designed for could result in suboptimal performance, serious injury, or death. All XactShot ammo and RapidLok systems have been designed, characterized, and life cycle tested as a complete integrated Precision Guided Firearm.

The current ammunition setting for the system is displayed in the HUD.

You MUST clean the bore when changing between dissimilar ammunition. Dissimilar bullet materials will scar the barrel reducing accuracy and shortening the barrel life.

XactShot Ammunition - Specifications

TrackingPoint UltraFlat 5.56 ammo loaded by Fort Scott Munitions is a match grade bullet made of solid brass and engineered for a Tumble Upon Impact™ action to provide devastating stopping power. While designed as precision ammo for rifle hunters, UltraFlat bullets' high performance qualities also make them ideal rounds for home and self-defense or law enforcement.

Type	HUD Label	Caliber	Bullet Weight
UFL Fort Scott®	UFL	5.56	62 gr

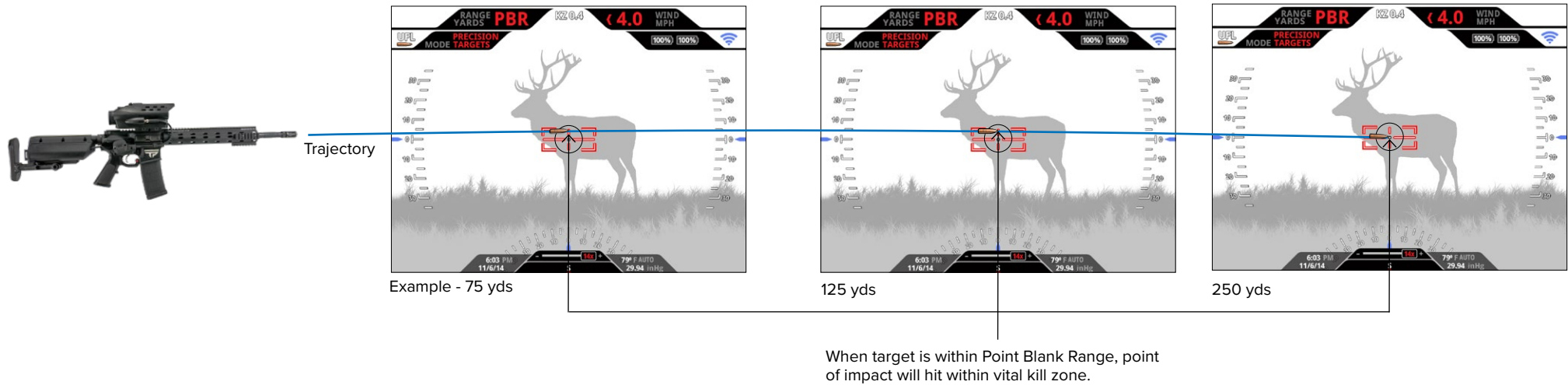
Tag Stabilization

When shooter presses the tag button, the target image and reticle are auto-stabilized allowing the shooter to quickly and accurately tag a target.

Tag stabilization is turned on by default and can be turned off in the HUD console.

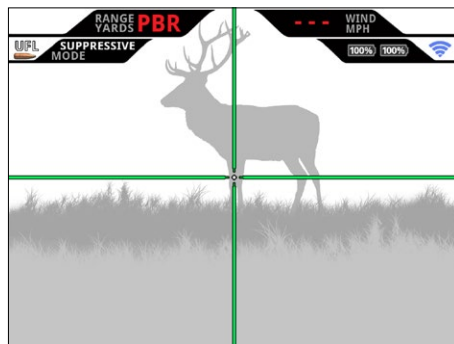
Point Blank Range [PBR]

The M300 has a Point Blank Range of 300 yards. When the target is within Point Blank Range, point of impact will hit within 6 inch vital kill zone.



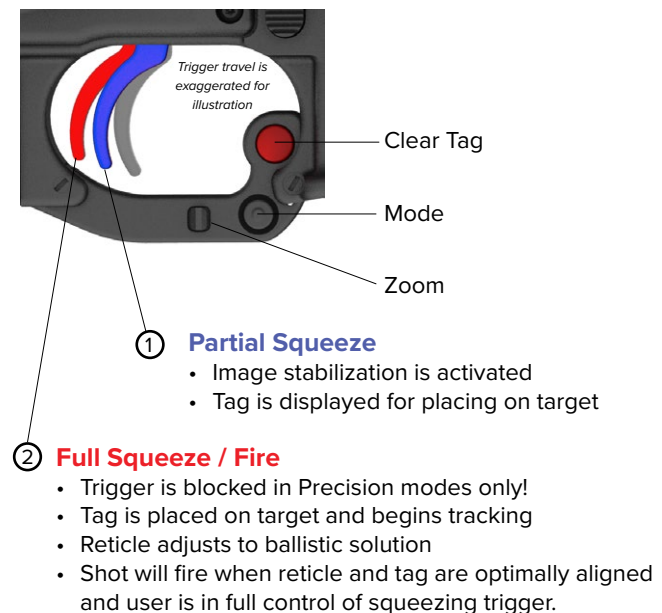
Suppressive Fire Mode - Non-Guided Trigger

In Suppressive Mode the Guided Trigger is disabled and the firearm should be treated like any other traditional semi-automatic rifle. The gun will fire the moment you squeeze the trigger.



Suppressive mode displays a duplex reticle zeroed at 260 yards.

Guided Trigger Interface - Precision Modes

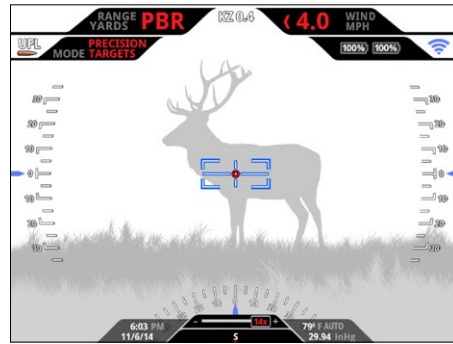


Precision Targets/Movers Firing Procedure



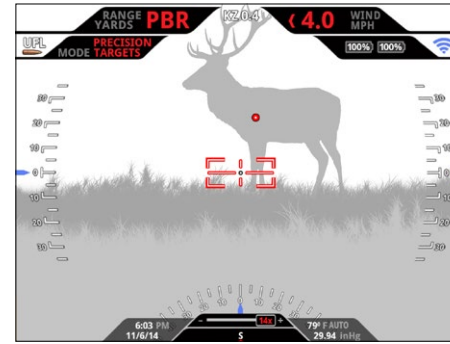
Assess Wind Conditions. Input Wind setting if necessary. This is very important for correctly calculating ballistics for tagged shots.

1. Press the Wind button to set windage to current conditions. Current wind setting is displayed in the HUD. In this example wind is blowing 4.5mph right to left.



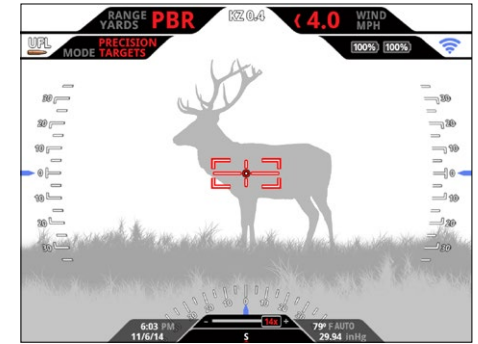
Trigger control is very important. DO NOT squeeze trigger quickly to avoid unintentional tag placement.

2. Aiming at the desired point-of-impact, partially squeeze trigger to start image stabilization.



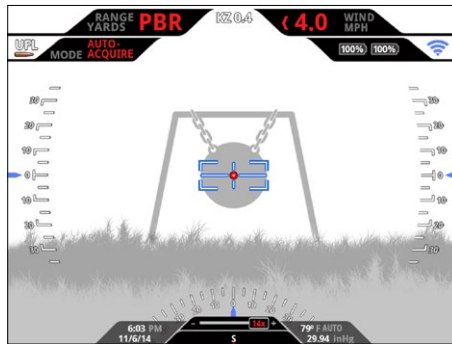
3. Fully squeeze trigger to place tag on target and begin tracking. Reticle turns Red when system is armed and tracking.

To reposition tag, release trigger and repeat partial to full squeeze procedure.

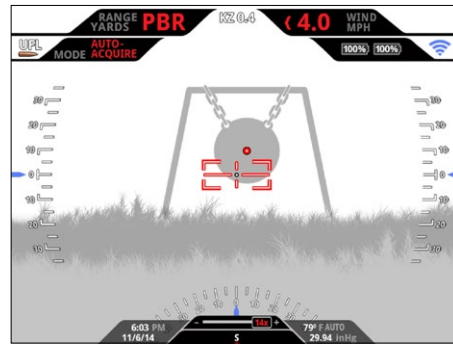


4. Once the firing solution and the tag are optimally aligned, and the trigger is fully engaged by the user, the guided trigger will unblock allowing the shot to fire.

Auto-Acquire Firing Procedure



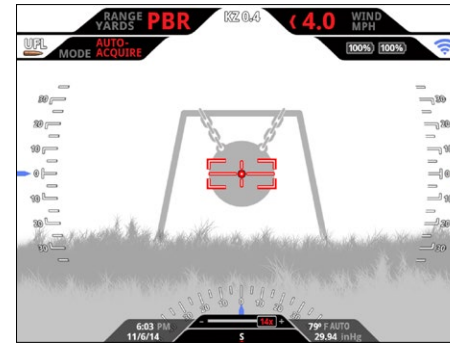
1. Press the Wind button to set windage to current conditions. Current wind setting is displayed in the HUD.



2. Fully squeeze trigger to tag target and begin tracking.

To reposition tag, simply release trigger and repeat partial squeeze to full pull.

To reset tag, press Clear Tag button.



3. Once the firing solution and the tag are optimally aligned, and the trigger is fully engaged by the user, the guided trigger will unblock allowing the shot to fire.



4. Repeat full trigger pull to Auto-Acquire target with same tag position for consecutive precision shots.

HUD Messages

Off Screen Indicator Arrow

If the Tag moves outside of HUD view, a yellow arrow will appear pointing in the direction of the tagged target.



Tracking Lost

You will temporarily see this message due to following conditions:

If the target moves outside of the systems field of view.

If the target moves behind another object.

If the target rotates and intended tag location is no longer identifiable.



Troubleshooting

Issue	Action
HUD text is blurry.	Rotate HUD focus ring on the back of the scope.
Image is Red.	Ensure cut filter is in the UP position.
Cannot connect apps to the system.	Turn scope Wi-Fi on. Make sure your smart device Wi-Fi is connected to the scope.
Missing right or left.	Verify correct wind setting and adjust as needed. Crosswind can vary along bullets flight path.

TrackingPoint App



The TrackingPoint App is the primary tool for communicating with and configuring your Tracking optic. New features may be released that are not covered in this owner's manual.

My Media

Use this button to enter the media manager where you can download Shot and Tag videos from your scope and then view and share through email and social media.

Note: Videos and photos are automatically deleted from the scope after downloading.

When you first connect to a scope, the number of videos and photos currently recorded in the scope's memory will display below the My Media button.

Settings

Use this button to enter settings menu to set various features of your scope including the following:

Manual Temperature

When the scope is first powered on it is set to automatically read temperature. Temperature can also be manually set using the HUD Console in cases where the temperature along the bullet's flight path is different from that at the shooters position. [See HUD Console section for details]

Impact Zone (Kill Zone) Setting

Use to set the kill zone size for Tag-and-Shoot fire control when taking precision guided shots.

Ammunition Setting

You MUST configure your scope to the correct ammunition being used.

Always check HUD for correct ammo configuration.

Tag Stabilization

Use to turn tag stabilization On or Off.

Record Videos Settings

Use to turn video recording On or Off.

Wind Calculator

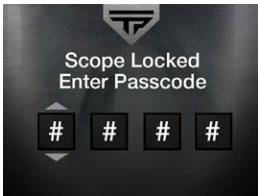
This tool estimates and sets a baseline wind call setting on your scope, used for calculating the ballistic solution.

Advanced (Precision Mode) Unlock

Use this to lock Precision modes from unauthorized use. Suppressive mode is always active, even if system is locked.

A 4-digit passcode is required to lock Precision modes.

Once locked, the same 4-digit passcode is required to access Precision modes. The passcode to unlock a Precision mode can be entered by two different methods:



- A) Enter passcode using Advanced Mode Lock in the TrackingPoint App.
- B) Enter passcode in the HUD using the buttons on the scope. If user presses Mode button to enter Advanced mode and it has been locked the display will prompt user to enter a 4-digit code.
 1. Press Zoom button up/down to change number.
 2. Press Wind button right/left to select which number you want to change.
 3. Press Mode button when you are finished entering correct code to access Advanced mode.

Your PGF will still function as a conventional firearm when locked or powered off. All firearm safety rules apply.

Software Updates

Use this to check for software updates for your specific tracking optic. The TrackingPoint App will lead you through the installation process.

Support

Customer Service

In the event that the scope encounters technical issues, this feature allows you to easily contact customer service to help diagnose the issue and guide you through corrective action.

NOTE: Connect the TrackingPoint App to your scope when changing continents or time zones to update the time, date, and Coriolis calibration of your PGF. This process automatically runs in the background once connected and will only take a few seconds to complete. You can confirm by looking at the time displayed in the HUD.

ShotView App



ShotView enables anyone to share and collaborate in the shooting experience in real time by live streaming everything the shooter sees in the Heads Up Display to a smart device.

This App is very useful in a 'guided hunt' situation where the professional hunter can use the App to guide the shooter on to the proper animal and even to ensure proper shot placement.

It can also be used in a teaching and/or mentoring situation to allow a novice hunter to have a more experienced hunter more effectively 'look over the shoulder' of the shooter.

How to use ShotView

Connecting a Smart Device to your Tracking optic

1. After the scope is turned on, click the Power button again to turn Wi-Fi On. A Wi-Fi icon will appear in the HUD when Wi-Fi is ON.
2. Go to your smart device's Wi-Fi settings and select the TrackingPoint System you wish to connect to.

Note: If a password is required to connect to Wi-Fi network, it can be found on the inside back cover of this owner's manual.

3. Open the ShotView app after exiting your device's settings menu.

Wi-Fi Range

The Wi-Fi range between a smart device running ShotView and the Tracking optic is approximately 100 feet.

Troubleshooting Video Streaming

Streaming may get interrupted if too many devices are simultaneously running ShotView while connected to one scope. Limit to 2 devices.

- If ShotView loses connection with scope and does not automatically reconnect, check to make sure your device hasn't reverted to a previously connected network. You may need to re-select scope network in your device settings.

Downloading Apps to a New Smart Device

Devices supported

You will need either an Apple iOS or Android device to use TrackingPoint Apps.

Apple iOS

1. Access the App Store on your mobile device or through iTunes.
2. Search the App Store for the desired application - TrackingPoint App, ShotView, or Precision Hunter.
3. Follow installation procedure from device or web site.

Android

1. Access the Google Play Store.
2. Search Android Apps for the desired Application - TrackingPoint App, ShotView, or Precision Hunter.
3. Follow installation procedure from device or web site.

Connecting Smart Device to your Tracking optic

[Required for TrackingPoint and ShotView Apps]

1. After the scope is turned on, click the Power button again to turn Wi-Fi On. A Wi-Fi icon will appear in the HUD when Wi-Fi is ON.
2. Go to your smart device's Wi-Fi settings and select the TrackingPoint System you wish to connect to.

Note: If a password is required to connect to Wi-Fi network, it can be found on the inside back cover of this owner's manual.

3. Open the TrackingPoint app after exiting your device's settings menu.

Troubleshooting Connection

Common Problems:

- TrackingPoint App - The TrackingPoint App will not launch without a network connection to a tracking optic.
- ShotView - Video does not stream when App is launched.

Check the following:

1. Check if Wi-Fi icon appears in the HUD. If not, click power button to turn scope Wi-Fi on.
2. Check if correct TrackingPoint System is selected in your device's network settings.

Cleaning Your PGF

- **You MUST clean barrel after every 200 rounds to ensure accuracy of precision shots.**
- **You MUST clean the bore when changing between ammunition. Dissimilar bullet materials will scar the barrel reducing accuracy and shortening the barrel life.**
- **Do not use cleaning solvents that are not specifically designed for firearm's. Some solvents can damage parts on your firearm.**

What you will need

- **Cleaning Rod**
- **Jag**
- **Bore Brush (Nylon)**
- **Bore Guide**
- **Copper Remover (CR-10)**
- **Bore Cleaner (Hoppe's 9)**
- **Cleaning patches**
- **Link (Supports upper for cleaning)**

Note: Cleaning kits can be purchased at: www.tracking-point.com

Prepare for Cleaning

1. Ensure firearm is empty and all ammunition is removed from the area.
2. The front take down pin on your TrackingPoint AR cannot be removed.
3. Remove the bolt carrier group as instructed in the firearm manufacture's manual.
4. Install link and bore guide as shown below.
5. Place a rag over trigger group to keep chemicals out of the trigger assembly.



Cleaning the Bore

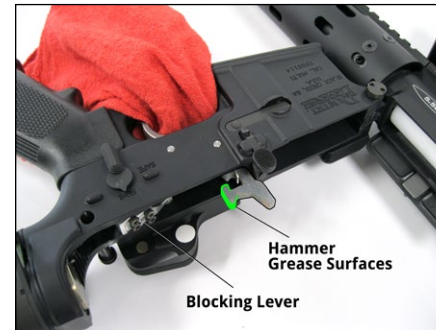
1. With jag attached to the cleaning rod, attach a patch and wet with BORE CLEANER (Hoppe's No.9), push through the bore guide, the bore, and out the muzzle.
DO NOT PULL ROD with patch attached while in the bore.
2. Remove dirty patch at the muzzle. Then remove rod from the bore and wipe clean.
3. Repeat 1-2 until patch comes out clean.
4. Attach a clean patch and wet with COPPER REMOVER (CR-10), push through the bore guide, the bore, and out the muzzle.
DO NOT LET COPPER REMOVER stay in the bore longer than 15 minutes. Neutralize with BORE CLEANER to avoid damage to the bore. Note the time of initial application.
5. Remove dirty patch at the muzzle. Then remove rod from the bore and wipe clean.
6. Let the COPPER REMOVER stand in the bore for 5 minutes.
7. Run another wet patch with COPPER REMOVER through the bore.

8. Attach Nylon brush to cleaning rod, add COPPER REMOVER to the brush bristles and push through the bore guide, the bore, and out the muzzle
9. While brush is outside the muzzle end of barrel, douse brush bristles with COPPER REMOVER and pull brush back through the muzzle and the chamber.
10. Continue to brush the bore until 15 minutes from first application is reached. Always exit muzzle or chamber before changing directions.
11. With jag attached to the cleaning rod, attach a patch and wet with COPPER REMOVER, push through the bore guide, the bore, and out the muzzle. Repeat until patch comes out clean.
12. With jag attached to the cleaning rod, attach a patch and wet with BORE CLEANER, push through the bore guide, the bore, and out the muzzle.
13. Attach dry patch, push through the bore guide, the bore, and out the muzzle.
14. Remove dirty patch at the muzzle, remove rod and wipe clean.
15. Repeat 13-14 two additional times.

The bore has now been properly de-coppered and cleaned.

Cleaning the Bolt and Chamber

1. While bolt carrier group is removed from the upper receiver, clean all carbon and powder residue from the bolt carrier, including locking lugs, extractor face, firing pin, cam pin, and inside bolt carrier group.



Note: Cleaning kits can be purchased at: www.tracking-point.com

Lubricating the Hammer

1. Press the rear take down pin, pivot the upper receiver away from lower to provide access to the trigger assembly.
2. Switch safety lever to Fire position.
3. Hold pressure on the face of the hammer with thumb while squeezing trigger and slowly release hammer forward (as shown above).
4. If trigger is blocked, hammer will not release. Rotate blocking lever (shown above) and repeat step 3.
5. Remove loose debris with compressed air and small brush as needed.
Note: It is not recommended to spray cleaning chemicals into the trigger assembly.
6. Important: Apply small amount of grease to the hammer sear surfaces (as shown above).

Lubricating the Battery Caps

Periodically wipe threads on battery caps and stock housing to remove any accumulated dirt.

Apply small amount of silicon lubricant to the threads and "O" ring to maintain a good water tight seal and ease of opening and closing.

Warranty Terms and Conditions

TrackingPoint, Inc. shall warrant that the product purchased from TrackingPoint™, which will include the firearm as well as the tracking optic and smart trigger (the "Precision Guided Firearm", or "PGF"), shall be free from defects in material and workmanship for 1 year from the date of purchase.

During this period if the PGF is found to be defective in material or workmanship, TrackingPoint or one of its authorized service facilities will at its option, either repair or replace this product without charge, subject to the following conditions, limitations and exclusions:

1. This warranty extends to the original consumer purchaser only and is not assignable or transferable.
2. This warranty shall not apply to any product that has been subjected to misuse, abuse, abnormal use, negligence, alteration or accident, or has had its serial number altered or removed. An example of a product that has been subjected to misuse, etc. may include, but is not limited to, full submersion, dropping of the product, etc.
3. This warranty does not apply to the batteries that accompany this product.
4. This warranty does not apply to a product that has been modified to alter its functionality or capability without the written permission of TrackingPoint.
5. This warranty does not apply to cosmetic damage to the product, including, but not limited to, scratches and dents that do not otherwise affect the functionality of the product.
6. This warranty does not apply to defects caused by normal wear and tear or which are otherwise due to normal aging of the system.

Obtaining Service

For warranty service, the original purchaser must contact TrackingPoint using the steps listed below.

1. Call TrackingPoint at (512) 222-0501 or contact sales@tracking-point.com. The customer service representative will discuss the issues with you and determine whether problems encountered with the PGF can be remedied remotely or whether the PGF must be returned to TrackingPoint for further service.
2. If TrackingPoint determines that your PGF is eligible for direct mail-in service, ship your product to TrackingPoint's repair service location in accordance with TrackingPoint's instructions. TrackingPoint will provide prepaid waybill and packaging instructions. Once service is complete, the TrackingPoint repair service location will return the repaired product or provide a replacement product to you.

General Terms

1. In servicing your product, TrackingPoint may use parts or products that are new or refurbished. TrackingPoint will retain the replaced part or product that is exchanged during service as its property, and the replacement part or product will become your property.
2. TrackingPoint reserves the right to change terms and conditions, as it determines in its sole discretion.
3. TrackingPoint products are available for purchase only by authorized individuals in compliance with federal and local law.
4. TrackingPoint is not responsible for any failures or delays in performance under this warranty that are due to events outside TrackingPoint's reasonable control.
5. Except where prohibited by law, the laws of Texas shall apply to these terms and conditions, without regard to its conflict-of-laws provisions.

Customer's Responsibilities

1. You must provide information to a TrackingPoint representative about the symptoms and causes of the issues with the product.
2. You must follow shipping and packing instructions provided by TrackingPoint. You will be responsible for products or parts that are lost or damaged as a result of failure to follow instructions.
3. We recommend that you try to save your personal information including but not limited to videos before shipping. TrackingPoint will make every effort to recover personal information including but not limited to videos on a damaged scope but this may not always be possible.

What is NOT Covered

1. The warranty does not apply to operating the product outside the permitted or intended uses described by TrackingPoint, as the manufacturer.
2. The warranty does not apply to a product with a serial number that has been altered, defaced or removed, or to a product that has been modified to alter its functionality or capability without the written permission of TrackingPoint.
3. The warranty does not apply to a product that has been lost or stolen. This warranty only covers a product that is returned to TrackingPoint in its entirety. The warranty only applies to a PGF that is submitted by the original purchaser.
4. The warranty does not apply to cosmetic damage to the product, including, but not limited to, scratches and dents that do not otherwise affect the functionality of the product.
5. The warranty does not apply to defects caused by normal wear and tear or which are otherwise due to normal aging of the product.
6. The warranty does not apply to damage to the PGF caused by ammunition other than XactShot™ ammunition sold by TrackingPoint for use in Precision Guided Firearms.
7. The warranty does not apply to damage to the PGF caused by a barrel obstruction.

Limitation of Liability

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, TRACKINGPOINT AND ITS EMPLOYEES AND AGENTS WILL UNDER NO CIRCUMSTANCES BE LIABLE TO YOU OR ANY SUBSEQUENT OWNER OF THE PRODUCT FOR ANY INDIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, COSTS OF RECOVERING, REPROGRAMMING, OR REPRODUCING ANY PROGRAM OR DATA OR THE FAILURE TO MAINTAIN THE CONFIDENTIALITY OF DATA, ANY LOSS OF BUSINESS, PROFITS, REVENUE OR ANTICIPATED SAVINGS, RESULTING FROM TRACKINGPOINT'S OBLIGATIONS UNDER THIS WARRANTY. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE LIMIT OF TRACKINGPOINT AND ITS EMPLOYEES AND AGENT'S LIABILITY TO YOU AND ANY SUBSEQUENT OWNER ARISING UNDER ALL PRODUCTS PURCHASED BY YOU FROM TRACKINGPOINT SHALL NOT EXCEED THE ORIGINAL PRICE PAID FOR THE WARRANTY.

TRACKINGPOINT SPECIFICALLY DOES NOT WARRANT THAT (I) IT WILL BE ABLE TO REPAIR OR REPLACE THE PRODUCT WITHOUT RISK TO OR LOSS OF PROGRAMS OR DATA (II) IT WILL MAINTAIN THE CONFIDENTIALITY OF DATA, OR (III) THAT THE OPERATION OF THE PRODUCT WILL BE UNINTERRUPTED OR ERROR-FREE.

FOR CONSUMERS IN JURISDICTIONS WHO HAVE THE BENEFIT OF CONSUMER PROTECTION LAWS OR REGULATIONS, THE BENEFITS CONFERRED BY THIS WARRANTY ARE IN ADDITION TO ALL RIGHTS AND REMEDIES PROVIDED UNDER SUCH LAWS AND REGULATIONS. TO THE EXTENT THAT LIABILITY UNDER SUCH LAWS AND REGULATIONS MAY BE LIMITED, TRACKINGPOINT'S LIABILITY IS LIMITED, AT ITS SOLE OPTION, TO REPLACE OR REPAIR OF THE PRODUCT OR SUPPLY OF THE SERVICE. SOME STATES OR PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO SOME OR ALL OF THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

Disclaimer of Warranty

ALTHOUGH TRACKINGPOINT CANNOT GUARANTEE THAT A SUPPORT INCIDENT WILL BE RESOLVED, TRACKINGPOINT WILL MAKE REASONABLE EFFORTS TO PERFORM SUPPORT SERVICES UNDER THE SERVICE WARRANTY IN A PROFESSIONAL MANNER. TO THE EXTENT PERMITTED BY LAW, THE EXPRESS WARRANTY AND REMEDIES SET FORTH HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL OR WRITTEN, STATUTORY, EXPRESS OR IMPLIED. AS PERMITTED BY APPLICABLE LAW, TRACKINGPOINT AND ITS LICENSORS SPECIFICALLY DISCLAIMS ANY AND ALL STATUTORY OR IMPLIED WARRANTIES, RELATED TO OR ARISING IN ANY WAY OUT OF THESE TERMS AND CONDITIONS, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Customer + Technical Support

Please call 512-222-0501 between 8:00 AM and 5:00 PM Central time and we will be happy to help you with any of your PGF issues.

Network Password: trackingpoint

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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