

Ultradot L/T – User’s Manual

Mounting:

The Ultradot L/T open sight includes an integrated rail clamp that fits a Weaver or Picatinny style rail. Due to the unlimited eye relief, set this sight at least three times of clearance between the end of the sight and your eye when shooting. Set the sight onto the base so that the rail claw aligns with the cross-cut grooves. Securely tighten the rail clamp bolts using the supplied Allen wrench. Do not over-tighten.

Battery:

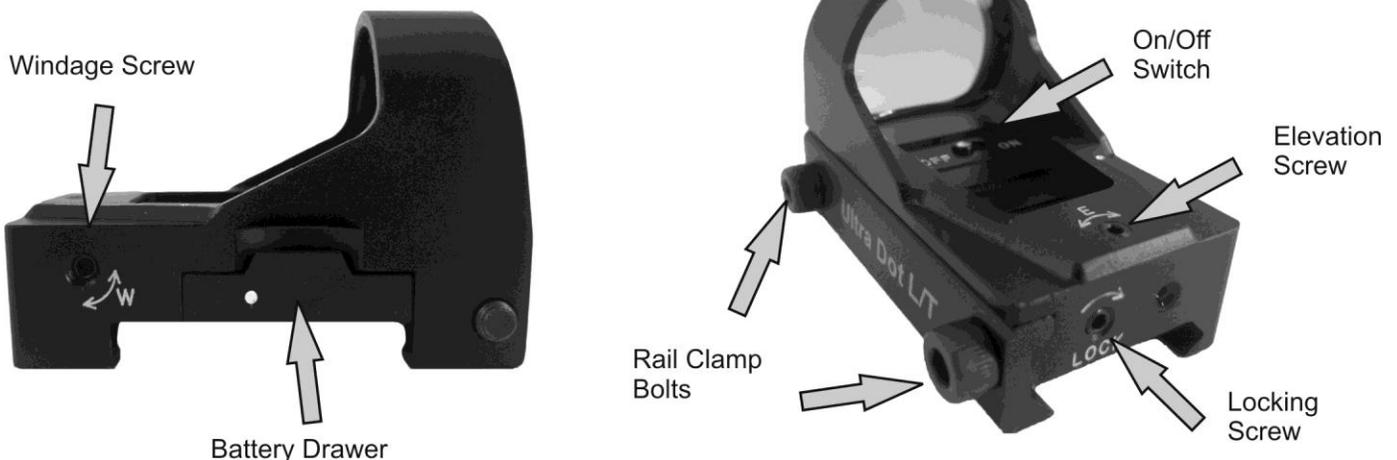
The Ultradot L/T is powered by a single 3 volt lithium battery (CR2032). When the red dot grows dim or darker, you will need to replace the battery with a new one. Simply pull the battery compartment tray out using your fingernail and remove the battery. Place the new battery positive side up in the compartment and push it back into the sight.

Zeroing:

With the sight mounted, rest the gun on a solid support and aim at a target 50 to 100 yards away. Test shots should be done in the same conditions to achieve maximum accuracy of adjustment. It is recommended to use a firm rest for firing and the same type of cartridge. Be sure to loosen the locking screw before making any adjustments. The locking screw is located at the rear side of the sight body. For adjustments of elevation or windage, insert the supplied small Allen wrench (12.5mm) into the center hole of the dial disk which is scaled 48 div. (1 div. = moa = .) Put the dial disk / wrench onto the elevation or windage adjustment screw setting “0” on the dial disk to the dot mark. Turning the adjustment screw clockwise, results in a downward or leftward shift of the aiming dot. The direction of the shift is indicated on the dial disk. After you have finished zeroing your new sight, be sure to tighten the locking screw to hold it in place. Do not over-tighten.

Specifications:

MAGNIFICATION: 1 X
REFLEX LENS: H-18mm
DIAMETER: Diagonal – 26mm
FIELD OF VIEW: 13.4m @ 100meters
DOT SIZE: 4 MOA
PARALLAX FREE AT: 50 m
OPERATING TEMPERATURE: -20 deg C to + 50 deg C
BATTERY TYPE: Lithium, 3V, Duracell DL 2032
BATTERY LIFE: 200 – 4,000 hours
BATTERY SHELF LIFE: Can be stored for 5 yrs.
DIMENSIONS (L x W x H): 50 x 28 x 33.4 mm
WEIGHT: 1.3 oz (37 g)
ELEVATION and WINDAGE: Adjustments of Up/R: 740cm @ 100 meters
MOUNTING: Integral clamping system



Ultradot Pan AV – User’s Manual

Mounting:

The Ultradot Pan AV open sight includes an integrated rail clamp that fits a Weaver or Picatinny style rail. Due to the unlimited eye relief, set this sight at least three of clearance between the end of the sight and your eye when shooting. Set the sight onto the base so that the rail claw aligns with the cross-cut grooves. Securely tighten the rail clamp bolts using the supplied Allen wrench. Do not over-tighten.

Battery:

The Ultradot Pan AV is powered by a single 3 volt lithium battery (CR2032). When the red dot grows dim or darker, you will need to replace the battery with a new one. Simply unscrew the battery cover using a US nickel and remove the battery. Place the new battery positive side up in the compartment and replace the cover.

Zeroing:

Select the reticle you desire. With the sight mounted, rest the gun on a solid support and aim at a target 50 to 100 yards away. Test shots should be done in the same conditions to achieve maximum accuracy of adjustment. It is recommended to use a firm rest for firing and the same type of cartridge. Be sure to loosen the locking screw before making any adjustments. The locking screw is located on the right side of the sight body on the rail clamp. For adjustments of elevation or windage, insert the supplied small Allen wrench into the elevation or windage adjustment screw. Turning the adjustment screw clockwise, results in a downward or leftward shift of the aiming dot. Each click adjustment moves the point of impact by 1 MOA (approximately 1" at 100 yards or ½" at 50 yards) After you have finished zeroing your new sight, be sure to tighten the locking screw to hold it in place. Do not over-tighten.

Specifications:

MAGNIFICATION: 1 X

DIAMETER: Diagonal – 33mm

FIELD OF VIEW: 15.7m @ 100meters

DOT SIZE: 4 MOA

PARALLAX FREE AT: 50 m

OPERATING TEMPERATURE: -20 deg C to + 50 deg C

BATTERY TYPE: Lithium, 3V, Duracell DL 2032

BATTERY LIFE: 200 – 4,000 hours

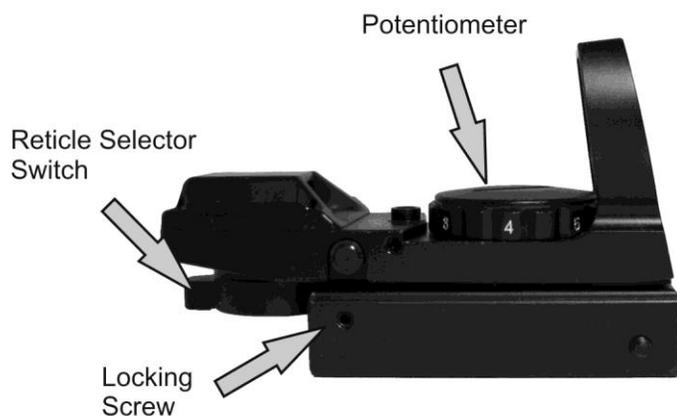
BATTERY SHELF LIFE: Can be stored for 5 yrs.

DIMENSIONS (L x W x H): 82 x 28 x 33.4 mm

WEIGHT: 112g

ELEVATION and WINDAGE: Adjustments 1 MOA per click

MOUNTING: Integral clamping system



Ultradot – User’s Manual (Ultradot 25, 30mm, FOUR Dot, Matchdot)

Mounting:

Your Ultradot is delivered with mounting rings that fit the diameter of your sight. These rings will attach to Weaver or Picatinny style scope rails / bases. The hex wrench for these rings is also included in the package.

- 1) Make sure that the scope base / rail is specified by the manufacturer of your gun and that it provides a uniform horizontal and vertical mounting platform. For your own safety, let a knowledgeable gunsmith inspect your weapon and mounting base to insure that everything is in safe order. Since there is no set eye relief for the Ultradot make sure that you have a minimum clearance of 3” between the sight and your eye.
- 2) Use the supplied Allen wrench to remove the cross bolt at the bottom of each ring, and to loosen the top Allen screw so that you can separate the two halves by approximately 3/8”.
- 3) Slide one of the rings onto the base until it aligns with the cross cut groove on the scope base. Insert the cross bolt through the ring base and thread carefully. Loosely tighten so that it stays in place but can still be moved.
- 4) Insert your new Ultradot into the ring that you have just mounted and snug up the ring bolts a bit more. Make certain you have the potentiometer knob on the left side for all standard Ultradots and on the top of FOUR Dot Ultradots.
- 5) Slide the 2nd ring on the scope base and sight simultaneously. Insert the cross bolt through the mounting ring and cross cut groove on the scope base and loosely tighten. If you have a long distance between the grooves you may have to use the supplied extension tube. To do so, remove the trim ring and put the tube extension in its place. You may attach the trim ring back onto the sight at the end of the extension.
- 6) Make sure the sight is mounted horizontally using a level whenever possible. When you are certain the sight is level, carefully tighten the mounting ring bolts making adjustments if necessary. Avoid tightening the rings directly over the sight’s lenses as you can break the glass if you over-tighten. Also, it’s a good idea to have the rear ring be in direct contact with the center housing of the sight body. This will help to prevent sliding during recoil.
- 7) After you have fired a few rounds, check the mounting screws again and re-tighten if necessary.

Battery:

The Ultradot is powered by a single 3 volt lithium battery (CR2032). When the red dot grows dim or darker, you will need to replace the battery with a new one. Simply unscrew the battery cover using a US nickel while holding the potentiometer in place. Remove the old battery. Place the new battery positive side up in the compartment and replace the cover.

Polarizing Filter:

Your Ultradot comes with a polarizing filter to help to control lighting on bright sunny days. To attach the filter to your sight, unscrew the trim ring at the front end of the tube. Replace the trim ring with the filter. By turning the front part of the filter clockwise you can adjust the brightness and contrast.

Zeroing:

- 1) Activate your sight by turning the potentiometer in a clockwise motion to setting 1 (Always start with the lowest setting first and turn up until you have a clean dot) and remove the windage and elevation covers.
- 2) With the gun rested on a solid support, bore sight your weapon (If possible. Laser bore sighters work well too) towards a small target 100 yards away.
- 3) Sight through your Ultradot and use the windage and elevation adjustment screws to move the red dot to the same target. The Ultradot’s red dot will move 1 MOA per click at 100 yards and ½ MOA per click at 50 yards.
- 4) To avoid injury make sure that the sight is properly mounted before you fire your first shot. For handguns start to fire at 15 to 25 yards and for rifles, 25 to 50 yards. Shoot test groups of 3 rounds each and adjust between each group. Always use the same type of ammunition while zeroing your gun.
- 5) To move the point of impact up, turn the elevation adjustment screw in the direction of the up arrow and for down turn the opposite. To move the point of impact to the left turn the windage adjustment screw in the direction of the “L” arrow. To move right turn the opposite direction. Each click will move the red dot 1 MOA per click or 1” @100 yards / ½” per click @50yards.
- 6) Once you have zeroed your gun move to the distance you will be shooting most often and make final adjustments.
- 7) Replace the windage and elevation covers.
- 8) You’re Done!

MatchDot / Ultradot FOUR

LENGTH: 5.1 "

WIDTH: 1 – 7/8" (48 mm)

HEIGHT: 1 - 7/16" (33 mm)

WEIGHT: 4.8 oz. (137 g)

DOT SIZE: Matchdot 2, 4, 6, 8 MOA / FOUR 4,8,12,16 MOA

BATTERY TYPE: Lithium, 3V, Duracell DL 2032

BATTERY LIFE: 200 – 4,000 hours, can be stored for 5 yrs.

MIRROR LENS: Specially coated for specific wavelength band

FILTER SYTEM: Dual, inter-adjustable, Polaroid Filters for max. Versatility during extreme light conditions

POTENTIOMETER: Eleven clearly marked and easily distinguishable click stops.

ELEVATION and WINDAGE: 1 MOA per click @ 100 yards and ½ MOA @ 50 yards.

Dot Electronics: Illumination

Mounting: Comes with Weaver-style rings

PACKAGE INCLUDES: Red-Dot Sight, battery, polarizing filter, tube extension, mounting rings and hex wrench.

UltraDot 30 mm

LENGTH: 5 – 1/4" (133 mm)

WIDTH: 2 – 1/8" (54 mm)

HEIGHT: 1 – 5/8" (42 mm)

WEIGHT: 4.8 oz. (137 g)

DOT SIZE: 4 MOA

BATTERY TYPE: Lithium, 3V, Duracell DL 2032

BATTERY LIFE: 200 – 4,000 hours, can be stored for 5 yrs.

MIRROR LENS: Specially coated for specific wavelength band

FILTER SYTEM: Dual, inter-adjustable, Polaroid Filters for max. Versatility during extreme light conditions

POTENTIOMETER: Twelve clearly marked and easily distinguishable click stops.

ELEVATION and WINDAGE: Adjustments of 1/2 MOA increments with a moveable zero/reference dial

MOUNTING: Comes with Weaver-style rings

PACKAGE INCLUDES: Red-Dot Sight, battery, polarizing filter, tube extension, mounting rings and hex wrench.

UltraDot 25 mm

LENGTH: 5" (126 mm)

WIDTH: 1 – 7/8" (48 mm)

HEIGHT: 1 - 7/16" (33 mm)

WEIGHT: 3.9 oz. (110 g)

DOT SIZE: 4 MOA

BATTERY TYPE: Lithium, 3V, Duracell DL 2032

BATTERY LIFE: 200 – 4,000 hours, can be stored for 5 yrs.

MIRROR LENS: Specially coated for specific wavelength band

FILTER SYTEM: Dual, inter-adjustable, Polaroid Filters for max. Versatility during extreme light conditions

POTENTIOMETER: Twelve clearly marked and easily distinguishable click stops.

ELEVATION and WINDAGE: Adjustments of 1/2 M.O.A. increments with a moveable zero/reference dial

MOUNTING: Comes with Weaver-style rings

PACKAGE INCLUDES: Red-Dot Sight, battery, polarizing filter, tube extension, mounting rings and hex wrench.

