

QUICK START GUIDE

1. Unpack your unit.

DANGER:

CO2 Cartridge should NEVER be left in an enclosed vehicle exposed to the sun!

The CO2 cartridge contains 8, 12, 16 or 25 grams of liquefied Carbon Dioxide at about 850 psi. If heated the pressure in the cartridge may cause the cylinder to vent at the threaded end thus inflating the airbag.

NEVER install the CO2 cartridge without 1st installing a TRIGGER BOBBIN

Failure to do this WILL cause the cartridge to vent its contents and deploy the airbag.

NEVER use a different size CO2 cartridge as it will burst the airbag upon deployment and your drone will sink.

2. CHARGE THE AUTOMATIC ACTIVATOR

- Remove by unscrewing the Clear plastic cover on the Automatic Activator
- Remove the Trigger Bobbin from the plastic/foil package
- Install the trigger bobbin into the end of the automatic activator.
 - NOTE: the trigger bobbin cannot be installed incorrectly. It will only fit into the activator one way and it will easily drop in.
 - The white surface with ridges points outward and is visible when installed correctly.
- Screw on the clear plastic cover all the way until its bottom edge mates with the black flange on the automatic activator.
- Install the CO2 cartridge by screwing it in clockwise until it seats tight. There is an “O” ring gasket that compresses when the cylinder is tight.
- The CO2 Cartridge **MUST** point forward if horizontally mounted or upward if vertically mounted for proper operation of the DRONE-RETRIEVE (DR) in rain
- Determine mounting location that provides no negative effect on Center of Gravity, or interference with propellers.
 - Note: on some drones where the drone power button is positioned on the top of the drone just behind the power On/Off button.
 - Many of these types of Drones have sufficient space on the bottom of the drone as another mounting option.
 - Most Drones will require deactivation of vision systems which is recommended by the manufacture when flying over water.

3. SURFACE MOUNTING METHOD

- Materials:
 - Alcohol Pads - Used to clean the surfaces that you will attach the DUAL LOCK PADS.
 - DUAL LOCK Pads - 4 Dual Lock pads are provided for fixturing the DR to the drone.
 - Releasable ZIPTIE – The ZIPTIE is provided to provide secure attachment to the drone. It must be used with the DUAL LOCK as the DUAL LOCK if used alone will not secure the DR unit during a crash.
- MOUNTING:
 - Make sure that the area where you plan to attach the Dual Lock pad is clean and free from ANY oils, wax, etc.
 - These pads have a VHB (Very High Bond) adhesive and for proper attachment this adhesive needs a good clean surface.
 - Do not reuse these pads. The adhesive properties will be seriously reduced if the pad is removed and reinstalled.
 - Note: the adhesive on these fasteners becomes stronger over time thus let them sit for a day or so increases the bond strength.
 - The DRONE RETRIEVER is provided with slots in the bottom depending on the DR model number for ZIP TIE attachment. DR9 & DR14 use 2 slots on the long bottom edge of the DR unit.
 - The Zip Tie can be slid through the black plastic enclosure between the enclosure and the orange airbag. To facilitate easy insertion, bend the end of the zip tie downward so that as it is easily pushed through the

enclosure. Note: The end of the Zip Tie points downward against the enclosure bottom. Wrap the Zip Tie around the Drone and pull snugly. Verify that the Zip Tie does not obstruct any vision system sensors.

- NOTE: When flying with the DRONE RETRIEVER over water it is recommended by drone manufactures to turn off the vision systems.
- INSURE that the Zip tie tail is pointing downward and away from any propellers.
- The Zip tie is easily removed and is reusable. Depending on your drone dimensions the length can be shortened as necessary.

4. TUBULAR MOUNTING METHOD

- Materials:
 - Mounting Clip w/Grip Depending on Model # you may receive one or two mounting clips.
 - Releasable ZIPTIE – The ZIPTIE is provided to provide secure attachment to the drone.
- MOUNTING:
 - The mounting clip is user installed.
 - The clip permanently converts the DR unit to Tubular Mounting
 - START by inserting the clip into the bottom slot located below the “hinge side” of the DR unit. Make sure it seats against the bottom edge of the unit. Keep it there with your thumb.
 - Rotate the clip so that the other end slides into the opposite slot and firmly press it such that it slides into the opening. Once pushed in, it will snap into place.
 - You MUST install hinge side 1st as the clip will not install correctly otherwise.
 - The only way to remove the clip, will be, to cut the center thus destroying the clip.
 - The Zip Tie can be slid through the black plastic enclosure between the enclosure and the orange airbag. To facilitate easy insertion, bend the end of the zip tie downward so that as it is easily pushed through the enclosure. Note: The end of the Zip Tie points downward against the enclosure bottom.
 - Now attach the assembly to the tubular mounting point on your drone
 - NOTE: ALWAYS mount such that the CO2 Cylinder points FORWARD or UPWARD which is required in the event that you fly in the rain. You do not want the prop wash to push water into the clear plastic end of the DR Activator.
 - Once attached to the tubular mounting location rap the Zip Tie around the DR clip such that the Zip Tie rests in the slots against the colored friction pads, then pull tight. You man need to pull tighter to ensure that the colored gripper engages and keeps the DR unit from rotating.
 - We recommend trimming the Zip Tie but leave several inches to allow reuse.

5. BEACON UNITS

- Re-setting
 - In the event that your beacon activates due to rain or extreme humidity it can easily be reset.
 - While holding the unit at an angle you can see the beacon electrical contacts. Blow any moisture away from the contacts.
 - Remove the CO2 cylinder and you will see a small hole. Using a small blunt object about 2mm in diameter. Push through the hole with light pressure until you feel the membrane switch release. The beacon will stop flashing.

6. STORAGE

- The drone retriever should be stored in a clean dry place such that excess humidity and water does not come in contact with the activator.
- We recommend reading “HOW IT WORKS” to better understand how your DRONE RETRIEVER operates.
- Additionally you should be familiar with “PRE-FLIGHT CHECKLIST and MAINTENANCE” guide.