# DJI MAVIC Application Notes

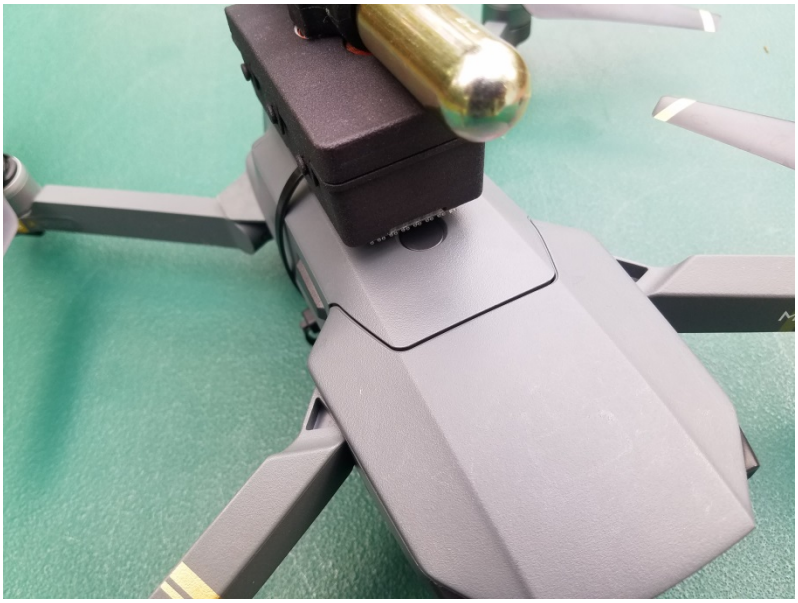
## Aircraft: MAVIC AIR 2, Mavic Pro, Mavic Platinum, Mavic Pro2, Mavic Pro Zoom, Mavic Pro Enterprise:

### MOUNTING: OPTION #1 TOP of DRONE

CONFIGURING YOUR REMOTE:
**DANGER:** If your drone has a TOP MOUNTED vision system sensor you MUST deactivate it when using the DRONE RETRIEVE as the clear plastic section of the Drone Retriever unit will extend over and obstruct the rear upward facing sensor.
MOUNTING: The Drone Retriever can be mounted to the top of the Battery with Dual Lock removable fasteners Make sure to clean all surfaces prior to attaching Dual Lock fasteners. Also the adhesive on these fasteners becomes stronger over time thus let them sit for a day of so it increase the bond strength. ADDITIONALLY you should use the Releasable Ziptie to insure reliable attachment in the event of a battery retention failure. The ziptie should fit snuggly around the body of the drone. DO NOT over tighten as it is not needed and overtightening could depress the battery removal clips. Make sure it does not cover any downward vision system sensors. Note: these sensors should be deactivated when flying over water.

- **DANGER:** Battery retention on the MAVIC Pro series of drones has an inherent flaw in the battery mounting clip design.
  - This problem occurs if during insertion or removal of the battery, the battery side retention buttons are pushed "in" with excessive force.
  - The plastic locking mechanism is designed to be under spring tension.
  - The metal used for the spring section of the retention design is NOT made of spring steel but rather is made of plain steel.
  - If the battery retention clips are deflected beyond their design point they will not provide adequate tension against the plastic locking mechanism on the drone body which could easily cause the battery to disengage during a violent landing.
  - How to check if your battery spring clip has been over extended.
    - Look at the section of the latch where it locks into the body of the drone. If you observe the latch to be loose or under very light tension, then the metal retention clip has been over extended.
  - How to repair an over extended battery retention spring.
    - Option #1
      - CAUTION: This process requires high level of skill.
      - You need to disassemble the plastic battery housing. Note it is a snap fit design. No glue, no screws.
      - Once the plastic housing is opened the battery needs to be removed.
      - Each battery housing clip is held in place with 2 philips head screws.
      - Remove screws and using a pair of pliers bend the metal clip 2-4 degrees outward.
      - Reassemble.
    - Option #2 (recommended)
      - Use a releasable ziptie every time you fly this battery to keep it from becoming dislodged in the event of a violent impact.
      - Do not risk damaging the battery.

- The ziptie should be inserted into the front or back of the Drone Retriever and slid through the plastic housing of the Drone Retriever along the bottom of the enclosure. DO NOT PUT THE ZIPTIE OVER THE TOP OF THE DRONE RETRIEVER AS THIS WILL NOT ALLOW IT TO OPEN WHEN NEEDED.
- The ziptie should be tightened SNUGLY around the body of the drone making sure that it does not interfere with any vision system sensors. Insure that the tail of the Ziptie points so that it does not interfere with the propellers



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**MOUNTING: OPTION #2 Bottom of DRONE**

CONFIGURING YOUR REMOTE:

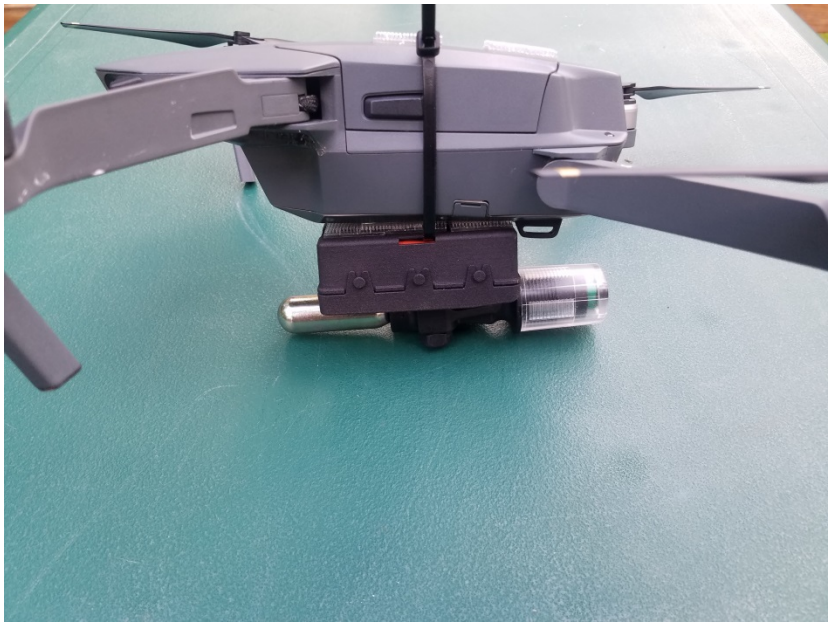
- **DANGER:** If your drone has a BOTTOM MOUNTED vision system sensors you MUST deactivate them when using the DRONE REETRIEVE.

MOUNTING: The Drone Retriever can be mounted to the Bottom of Drone with Dual Lock removable fasteners. ADDITIONALLY you should use the releasable ziptie to insure reliable attachment in the event of a battery retention failure. The zip tie should fit snuggly around the body of the drone. DO NOT over tighten as it is not needed and overtightening could depress the battery removal clips.

DANGER: Battery retention on the MAVIC Pro series of drones has an inherent flaw in the battery mounting clip design.

- This problem occurs if during insertion or removal of the battery, the battery side retention buttons are pushed "in" with excessive force.
- The plastic locking mechanism is designed to be under spring tension.
- The metal used for the spring section of the retention design is NOT made of spring steel but rather is made of plain steel.
- If the battery retention clips are deflected beyond their design point they will not provide adequate tension against the plastic locking mechanism which could easily cause the battery to disengage during a violent landing.
- How to check if your battery spring clip has been over extended.
  - Look at the section of the latch where it locks into the body of the drone. If you observe the latch to be loose or under very light tension, then the metal retention clip has been over extended.
- How to repair an over extended battery retention spring.
  - Option #1
    - CAUTION: This process requires high level of skill.
    - You need to disassemble the plastic battery housing. Note it is a snap fit design. No glue, no screws.
    - Once the plastic housing is opened the battery needs to be removed.
    - Each battery housing clip is held in place with 2 philips head screws.
    - Remove screws and using a [pair of pliers bend the metal clip 2-4 degrees outward.
    - Reassemble.
  - Option #2 (recommended)
    - Use a releasable ziptie every time you fly this battery to keep it from becoming dislodged in the event of a violent impact.
    - Do not risk damaging the battery.

- The ziptie should be inserted into the front or back of the Drone Retriever and slid through the plastic housing of the Drone Retriever along the bottom of the enclosure.. DO NOT PUT THE TIE WRAP OVER THE TOP OF THE DRONE RETRIEVER AS THIS WILL NOT ALLOW IT TO OPEN WHEN NEEDED.
- The ziptie should be tightened SNUGLY around the body of the drone making sure that it does not interfere with any vision system sensors.




MAVIC PRO