**Before Heading Out to the Flight Location**

* Check for Current App and Hardware Firmware Updates
  + Apps are Fully Updated to the Latest Release
  + Remote Controller is on the [Latest Firmware Release](https://mavicmaniacs.com/how-to-update-your-mavics-firmware-the-most-successful-method-i-know)
  + Drone is on the [Latest Firmware Release](https://mavicmaniacs.com/how-to-update-your-mavics-firmware-the-most-successful-method-i-know)
  + Phone/Tablet is Up-to-Date
* Charge All Devices to be Involved in the Planned Flight
  + Remote Controller
  + Drone
  + Additional Batteries
  + Phone/Tablet
  + Accessories
* Check the Pertinent Information for the Planned Flight Location
  + Airspace and Flight Restrictions - See my [DJI Mavic Pro Apps - My Top Picks](https://mavicmaniacs.com/dji-mavic-pro-apps-my-top-picks) post for a list of apps I use to obtain this information.
    - Contact Appropriate Authority for Notification/Authorization if Applicable
  + Weather - See my [DJI Mavic Pro Apps - My Top Picks](https://mavicmaniacs.com/dji-mavic-pro-apps-my-top-picks) post for a list of apps I use to obtain this information.
  + Known Obstacles
  + Events/Crowds Nearby
* Preprogram Flight Plan, if Applicable- See my [DJI Mavic Pro Apps - My Top Picks](https://mavicmaniacs.com/dji-mavic-pro-apps-my-top-picks) post for a list of apps I use to plan and control my drone using a predefined flight plan.
* Pack All Items to be Used for Upcoming Flight - See my [Essential DJI Mavic Pro Accessories - The Must Haves](https://mavicmaniacs.com/essential-dji-mavic-pro-accessories-the-must-haves) post for a list of accessories I can't live without.
  + Remote Controller
  + Drone
  + Additional Batteries
  + Phone/Tablet
  + Charger
  + Launching/Landing Pad
  + Extra Props
  + Additional Accessories

**Once Arrived at the Flight Location**

* Scout the Planned Flight Area and note Obstacles, People, Animals, etc.
* Select Location to Conduct Flight Operations
  + Select an Area to Control the Aircraft From and Maintain a Line of Sight at All Times
  + Select and Area to Launch and Land the Aircraft

**Before Taking Off**

* Obtain Insurance if Necessary
* Verify all Necessary Documentation is Present
  + Drone/Pilot Registration Card
  + FAA Part 107 License
  + Proof of Insurance
* Brief all Members of the Flight Team and Anyone Else Involved in the Operation
  + Explain the Planned Mission
  + Detail Each Member's Responsibilities
  + Discuss Abort Procedures and Alternate Landing Sites
  + Make Sure all Questions are Answered
* Conduct Visual and Physical Inspection of the Drone
  + Verify Registration Number is Present and Legible
  + Remove Gimbal Cover and Clamp
  + Verify Camera can Move Freely
  + Confirm Arms are Fully Extended
  + Check Props for Cracks and Signs of Wear
  + Check Props are Seated and Secured Properly
  + Check Drone for Cracks and Signs of Wear
  + Check Battery for Cracks, Bulges and Signs of Wear
  + Confirm Battery is Properly Seated and Locked in Place
  + Verify microSD Card is Installed
  + Verify the Correct ND Filter, if Applicable, is Installed Correctly
* Deploy Launching/Landing Pad
* Place Drone on Pad
* Connect Phone/Tablet to Remote Controller
* Power On the Remote Controller
* Launch Appropriate Application
* Power On Drone
* Verify Phone/Tablet, Application and Done Communication
* Allow Diagnostics to Complete
* Verify Hardware Status
  + Compass
  + IMU
  + ESC
  + Vision Sensors
  + Battery Status
  + Gimbal Status
* Verify GPS Satellite Lock
* Verify Radio Channel Quality
* Confirm Photo/Video Settings are correct for the Intended Flight
* Check Preferences
  + Home Point Settings
  + Multiple Flight Modes
  + RTH Altitude
  + Remote Controller Signal Lost Setting
  + Obstacle Avoidance
  + Backward Flying
  + Vision Positioning
  + Landing Protection
  + Precision Landing
  + RTH Obstacle Check
  + Stick Mode
  + Custom Button Settings
  + Low Battery Warnings
  + Smart RTH
  + Gimbal Mode and Settings
  + Live Broadcast - If Applicable
  + Local Caching
* Verify Launch Are is Clear
* Take Not of Potential Emergency Landing Locations
* Takeoff

**During Flight**

* Hover at 15-30 Feet for 10 Seconds for Precision Landing Acquisition
* Maintain Line-of-sight
* Avoid Wildlife
* Avoid Obstacles
* Fly Safely
* Be Respectful of Privacy Issues
* Be Mindful of Battery Life

**Before Landing**

* Verify Landing Site is Clear and Safe to Use
* Return to Landing Location
* Perform a Manual or Automated Landing

**After Landing**

* Power Down the Aircraft
* Power Down the Remote
* Close the Application
* Power Down any Additional Accessories
* Perform a Physical Check of the Drone and Battery for any Indications of Damage or Wear
* Install the Gimbal Clamp and Cover
* Collect All Items
  + Remote Controller
  + Drone
  + Additional Batteries
  + Phone/Tablet
  + Charger
  + Launching/Landing Pad
  + Extra Props
  + Additional Accessories
* Log the Flight - If Applicable
* Return Home
* Begin Processing Footage - Check out my [Post-production](https://mavicmaniacs.com/category/post-production) category for more programs, tips and sources to use in your post-production workflow.
* Share With the World