**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