



Mavic Pro Preflight Checklist by [MavicManiacs.com](https://www.mavicmaniacs.com)

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](#)
 - Drone is on the [Latest Firmware Release](#)
 - 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](#) 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](#) 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](#) 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](#) 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 an 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



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- 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 Area is Clear
- Take Note 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



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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](#) category for more programs, tips and sources to use in your post-production workflow.
- Share With the World