

QUICK REFERENCE CHECKLIST

Follow all FAA, federal, and local rules and regulations, check airspace for restrictions, and obtain all applicable authorizations.

Verify that the airframe, payload, propulsion, and battery systems are air-worthy and not damaged before each flight and after each landing.

1-PRE-DEPARTURE

Air Space Restrictions	Checked, in compliance
Applicable Authorizations	Obtained
Weather	No limitations exceeded
Offline Maps	Downloaded to TAC
Battery Packs	Charged
Mission Plans	Created, saved
Field Repair Kit	As required
GE/TAC Initial Pairing	Complete
TAC User Preferences	Set

2-PRE-FLIGHT

Wind	Up to 18 mph/ 25 mph gusts
Temperature Range	0 °F to 110 °F (-17 °C to 43 °C)
Direct Sunlight	Limit until use
Launch Point	Clear of debris, 10 ft radius, unobstructed

3-PHYSICAL INSPECTION

Arms	Intact at seam, secured into place
Propellers	No bending, warping, chips, or cracks found, clear of interference from accessories
Fasteners	No screws missing from airframe
Camera	Clear of debris, unblocked
Motors	Spin freely, no significant resistance, all springs present
Gimbal Protective Cover	Removed
Battery Packs	Fully charged
Antenna	Clear of interference from accessories

4-SYSTEM POWER / PAIRING

Golden Eagle	Powered on
TAC Ground Station	Powered on
Teal QGC App	Loaded, main screen displayed in TAC
GE/TAC Comms Link	Established
*GPS	Acquired (8 minimum, 10 recommended)
Calibration	If needed, complete
*Channel/ Frequency	Deconflicted

5-SYSTEM CHECKS

Button Assignments	Assigned (if not using default settings), calibrated, verified
*Safety Parameters	Set to user's site, mission, and environment
*RTL Height	Verified
*Compass	Stable, accurate
*Attitude	Verified
Gimbal	Functional
EO Camera Video Stream	Displays in TAC
IR Camera Video Stream	Displays in TAC
RSSI	Between -20 dBm and -50 dBm
Announcements	Cleared
Status Lights	Set as desired
Accessory Lights (optional)	Attached, functional
Offline Maps	Displays in TAC
Mission Plans	Uploaded, displays in TAC
*Flight Mode	Selected
*Arm/Disarm/E-Stop	Functional

* Denotes Impact of Safety of Flight



EMERGENCY ACTIONS



Erratic Flight (Mission Mode)	1- Switch to Position Mode. 2-Manually land ASAP.
Erratic Flight (Position Mode)	1-Switch to Altitude Mode. 2-Manually land ASAP.
Loss of Pilot Control	1-Attempt manual landing. 2-E-Stop/Disarm if necessary.
No GPS/Jammed Signal	The system will default to Altitude Mode. Manually fly/land the drone.
Loss of Link	1-Record last known position. 2-Adjust antenna to vertical position. 3-Execute recovery procedures if drone does not RTL.

6-POST-FLIGHT

Micro SD Card	Removed
Media	Transferred
Golden Eagle	Powered off, inspected for damage, stowed
TAC	Powered off, stowed
Battery Packs	Removed, stowed
Mission Debrief	Complete, logged

For additional information about equipment, safety, and field maintenance, please refer to the complete Operator's Manual at <https://tealdrones.com/>

