

Before Leaving	
Alta X Gen2	Packed
Batteries	Charged, Packed
Pilot Pro	Charged, Packed
Payload	Packed
Computer (optional)	Charged, Packed
Computer tripod (optional)	Packed
RTK (optional)	Packed
RTK cable (optional)	Packed
RTK Tripod (optional)	Packed

On Return	
Clean	Everything
Batteries	Store or charge
Suite	Verify logs uploaded

Setup	
Airspace	Verify available
Alta X Gen2	Remove from case
Landing gear	Install and lock
Prop straps	Remove
Booms	Unfold and lock
Motors and Props	Spin freely, No Play
Payload	Install, configure
USB stick	Install (optional)
Pilot Pro	Open AMC
Pilot Computer, optional	Open AMC
	Connec to Pilot Pro
	Connect RTK (optional)

Tear Down	
Flight Batteries	Remove
Propellers	Fold
Booms	Fold
Prop straps	Install
Payload	Remove
USB stick	Remove
Landing gear	Remove and stow
Alta X Gen2	Insert into case
Suite	Annotate flights

Preflight	
Pilot Pro	Battery above 20%
Pilot Computer	Battery above 20%
Aircraft position	Away from obstacles
Payload	Secure
Flight Batteries	Charge > 20%
	Install and activate
Aircraft	Stationary while booting
Orientation LEDs	Dim, Constant
AMC	Verify connected
	No warnings
	Return altitude set
	Geofence (optional)
Flight Mode	Return, Altitude
Flight Mode	Position
Aircraft	Verify orientation
Props	Verify clear
Takeoff	
Throttle	Down + Right (Arm)
Motors	All spin
Orientation LEDs	Bright, Constant
Throttle	Advance above center
Alta X Gen2	Climb
Landing	
Announce	"Landing"
Landing Area	Verify clear
Mode Switch	Position
Alta X Gen2	Touchdown
Throttle	Down (Disarm)
Motors	All Stop
Orientation LEDs	Dim, Constant
Post Flight	
AMC	Check for warnings
Aircraft, Props, Motors	Inspect for Damage
Flight Batteries	Remove

Emergency Procedures	
Low Battery	
Aircraft	Land
Loss of Orientation	
Control Inputs	Neutralize
Flight Mode	Position
Yaw	Nose away
Roll	Small input
	Verify direction
Loss of GPS	
Flight Mode	Altitude
Yaw	Nose away
Orientation	Regain
Unexpected Behavior	
Control Inputs	Neutralize
Flight Mode	Position
Aircraft	Land
Landing Detector Failure	
Flight Mode	Position or Altitude
	Land firmly
Flight Mode	Manual
	Land firmly
Throttle	Down + Left, 10 sec
Loss of Video Signal	
Flight Mode	Position
Visual contact	Establish
Aircraft	Orient for reception
Flight Mode	Return
RC Loss of Signal (LOS)	
Pilot Pro	Check Battery
	Check Antennas
Flight Mode	Return
Emergency Stop - Manual	
Kill Switch	Engage
Emergency Stop - AMC	
AMC App	Tap "Armed" (top center)
	Hold to confirm E-Stop