INTRODUCTION
Thank you for purchasing the Traxxas Aton quad rotor high performance helicopter. This manual contains the instructions you will need to operate and maintain your model. Even if you are an experienced R/C enthusiast, it’s important to read and follow the procedures in this manual so that you are fully knowledgeable on the operation and care of your Aton. We want you to feel confident that you own one of the best-performing models in the market and that it is backed by a team of professionals who aim to provide the highest level of factory support possible. Our Customer Support team is with you every step of the way. If you have any questions about your model or its operation, call the Traxxas Technical Support Line toll-free at: 1-888-TRAXXAS (1-888-872-9927) (Toll-free support is available to U.S. residents only).

QUICK START GUIDE
See the included Quick Start Guide for initial setup of your helicopter. The Quick Start Guide is not intended to replace the full operating instructions available in this manual. Please read this entire manual to become familiar with the controls and operations of the model before attempting to fly it the first time.

INCLUDED SUPPORT EQUIPMENT
- High capacity LiPo iD battery
- LiPo battery charger with AC power cord
- 4 Traxxas AAA alkaline batteries
- Landing gear with hardware
- Camera mounting bracket with hardware (designed for use with GoPro® action cameras*)
- 2mm hex wrench (to assist with repairs)
- Spare rotor blade set
- Spare hardware
- Transmitter sticks (interchangeable with the thumb pads)

*Camera not included
KNOW BEFORE YOU FLY

Welcome to the world of fun and excitement with model aviation. The Aton is designed for the purpose of easily capturing beautiful and exciting imagery or to explore the freedom of flight just for the fun of it. The included Quick Start Guide contains an overview of the operation of the Aton and the steps you need to take to get flying quickly. We recommend that you review both the Quick Start Guide and this full Owner’s Manual so that you are fully knowledgeable on the operation and care of your Aton. This will help you maintain and enjoy the model for years to come. Traxxas support is always available to answer your questions and help you with any issues you may encounter. Our contact information is on the previous page.

The Aton is a high performance model that has tremendous power and capability. With that comes the responsibility to read, understand, and follow all warnings, precautions, and instructions to ensure the safe operation of the model. Failure to operate the model in a safe and responsible manner may result in property damage and serious injury to yourself and others. As the pilot, you alone are responsible for ensuring that all instructions and precautions are adhered to.

Your Important Responsibility as a Pilot

The Aton must operate in shared air space with other model aircraft and more importantly, full-sized aircraft. It is critically important to choose a flying/filming location that meets the rules and regulations that have been established by local and national regulating bodies so that you will not create a hazard for any other aircraft in flight or person on the ground.

Where Can I Fly:

Choose a location that offers plenty of open space, away from people. Your Aton is controlled by radio which is subject to interference from sources beyond your control. Fly in locations that minimize any possible risk to people or property if you somehow lose control of your model.

1. Some areas such as parks or schools may be restricted for operation of radio control models. Look for posted signs or check with local authorities.
2. Look for natural or man-made obstacles that can interfere with your flight or block your line of sight to the model. Examples include:
   - Tree lines
   - Power lines
   - Buildings
   - Light poles
   - Water towers
3. You must be able to maintain line of sight to your model at all times during flight.

Places You Should Not Fly:

The Federal Aviation Administration (FAA) governs the use of US airspace. The FAA classifies the Aton as an unmanned aircraft system (UAS) and RC model pilots are expected to comply with FAA regulations and restrictions for UASs.

- Do Not Fly over roads or highways where your model could disrupt or distract passing traffic.
- Do Not Fly within a 5-mile radius of an airport without first contacting the tower or airport authorities.
- Do Not Interfere with manned aircraft operations, and you must see and avoid other aircraft and obstacles at all times. If you are able to fly near manned aircraft then it is likely you are flying in a restricted area. Land immediately and find another location.
- Do Not Fly in areas with temporary flight restrictions. Examples of temporary flight restrictions include but are not limited to:
  - Sports stadiums and other similar venues
  - Racetracks
  - Disaster and hazard areas (such as fires or traffic accidents)
  - Large public gatherings
- Consult with local airport officials to determine if there are flight restrictions where you intend to fly.
- Do Not Fly near or over sensitive infrastructure or property such as power stations, water treatment facilities, correctional facilities, heavily traveled roadways, government facilities, etc.
- Limit your altitude to 400 feet (122 meters) maximum.
- Check and Follow all local laws and ordinances before flying or filming over private property.

Safety for Everyone:

- Do Not Fly while impaired by any substance or physical ailment.
- Do Not intentionally fly over unprotected persons or moving vehicles, and remain at least 25 feet (7.5 meters) away from individuals and vulnerable property.
- Do Not Fly in adverse weather conditions such as in high winds or reduced visibility.
- Keep your model in sight at all times.
- Do Not conduct surveillance or photograph persons in areas where there is an expectation of privacy without the individual’s permission.
- Maintain your model to prevent mechanical problems.
- Do Not Attempt to rescue your model in dangerous areas or conditions. If the model does get tangled in trees, power lines, or lands on rooftops, in water, and so on, do not risk personal injury or death to yourself or others attempting to retrieve the model.
- Know How to disarm your model. If a bystander approaches the model while in operation, land and disarm immediately to prevent injury. Spinning props are dangerous. Keep spectators and bystanders well clear of the model while in operation.

Who is Know Before You Fly?

Know Before You Fly is an education campaign founded by the Association for Unmanned Vehicle Systems International (AUVSI), the Academy of Model Aeronautics (AMA), and the Small UAV Coalition in partnership with the Federal Aviation Administration (FAA) to educate prospective users about the safe and responsible operation of unmanned aircraft systems (UAS). At the Know Before You Fly website you will find additional information and useful links to learn more about safe flying. For more information visit www.knowbeforeyoufly.org

No Commercial Use

The Aton is intended for personal recreational use. At the time this publication was created, the FAA requires anyone using an unmanned aircraft system for non-hobby purposes to acquire authorization from the FAA. Non-hobby purposes include but are not limited to commercial activities such as for-hire film and photography services, real estate and wedding photography, commercial film and television production, and for-hire inspection and survey services. For more information on what types of activities constitute non-hobby use and how to obtain authorizations and exemptions, visit www.faa.gov/uas.

For operation outside of the US, be sure to consult regulations specific to your country and/or local region.
Pre-Flight Checklist

☐ Read all manufacturer supplied instructions and precautions before attempting to operate the model.
☐ Make sure that you as a pilot are competent and proficient in the operation of your model. It is important to become familiar with the controls and operations of the model before attempting to operate it the first time.
☐ Make sure that your batteries are charged and the model is fully operational. Do not operate a damaged or malfunctioning model.
☐ Make sure you have a GPS satellite signal.
☐ Make sure the operating environment is safe.

Controls (Mode 2 Operation)

- Altitude Up
- Rotate Left
- Forward
- Rotate Right
- Sideways Left
- Sideways Right
- Backward
- Altitude Hold
- Altitude Down
SAFETY PRECAUTIONS

• Never fly the helicopter with low batteries. Low battery indicators include:
  • The transmitter or the receiver battery level indicator on the transmitter LCD starts flashing, and the transmitter starts beeping continuously.
  • The rear-facing green Info Status LED on the helicopter is flashing.
  • The helicopter loses power and lands itself (low voltage cutoff).
  • Alert tones from the transmitter.
  • Automatic return to home.

• The helicopter has rotating blades that move at high speed, posing danger of damage and injury. Pilots are responsible for any actions that result in damage or injury from the improper operation of the helicopter. Choose an adequate flying space without obstacles. Do not operate the helicopter near buildings, crowds of people, high-voltage power lines, or trees to ensure the safety of yourself, others, and your model. Wear eye protection when operating your helicopter and keep your hands, face, hair, loose clothing, and foreign objects away from the rotating blades.

• This model has small parts that may pose a choking hazard. Keep all small parts and electrical devices out of the reach of children and animals.

• Pets can become excited by radio-controlled models. Keep pets away from your model at all times.

• Your Aton is controlled by radio which is subject to interference from sources beyond your control. Radio interference can cause momentary losses of radio control; always allow a safety margin in all directions around the model to prevent collisions.

• Do not attempt to rescue your model in dangerous areas or conditions. If the model does get tangled in trees, power lines, or lands on rooftops, in water, and so on, do not risk personal injury or death to yourself or others attempting to retrieve the model.

• Do not fly while impaired by any substance or physical ailment.

• Moisture causes damage to electronics. Avoid exposing your model, transmitter, and battery to water.

• The motor, batteries, and speed control can become hot during use. Allow parts to cool before handling.

• Do not leave the model unattended while it is turned on. Immediately turn the model and the transmitter off after you have safely landed the model.

• Most importantly, use good common sense at all times.

TERMS OF USE - The buyer assumes all risk associated with using this product. Traxxas, its affiliates, manufacturers, distributors, and retail partners cannot control the use, application, charging or installation of this product and shall not be held responsible for any accident, injury to persons, or damage to property resulting from the use of this product.

After reading all, if you do not agree with these terms and conditions and are not prepared to accept complete liability for the use of this product, return this product immediately in new/unused condition to your place of purchase. Your retailer absolutely cannot accept product for return or exchange if it has been used in any way.

If you have any questions, call Traxxas Customer Support at 1-888-TRAXXAS (1-888-872-9927). Outside the US, call +1-972-549-3000 or e-mail support@traxxas.com.
PREPARING FOR FLIGHT

1. Charge the battery pack

![Battery Charging Diagram]

**WARNING!** It is critical to follow all instructions for safe and proper use, charging, and storage of LiPo batteries (see page 5).

2. Install batteries in the transmitter

![Transmitter with Batteries]

3. Turn on the transmitter

The transmitter will emit a rising musical tone. Always turn the transmitter on first, before connecting the helicopter battery.

![Transmitter On]

4. Turn on the helicopter

Open the battery compartment (A). Install the fully charged battery with the wires facing the rear of the model. Connect the battery. The helicopter will emit a musical tone and the rear-facing Power and Info Status LEDs on the helicopter will glow solid. The GPS Status LED will blink slowly (B).

![Helicopter On]

5. Locating GPS Satellites

Āton is intended for outdoor flight. Select a flying location with a clear, unobstructed view of the sky. Place the helicopter on a level surface with the Status Bar facing you (nose out).

![Locating GPS Satellites Diagram]

The helicopter will sound a descending tone indicating that the flight system is ready. The GPS Status LED on the Status Bar will continue to blink slowly while the helicopter is searching for GPS satellites (A). Once the GPS position is established (usually about a minute), it will also glow solid. The Home Status LED on the Status Bar will then glow solid indicating that the current position of the helicopter has been set as the Return to Home location (B). **When all four LEDs on the Status Bar are solid green, you are ready to take off!**

**Note:** If a GPS signal cannot be found, move the helicopter to a different location. We recommend that you do not fly the model without GPS or a Return to Home location (see “Flying without GPS” on page 9). These features are critical to help prevent loss of your helicopter.

6. Arm your helicopter for flight

Move the throttle stick to the full down position. The helicopter will not arm unless the throttle stick is in the down position (A). Press and release the Arm/Disarm button on the transmitter to arm your model for take off (B). The transmitter will emit a tone and the Arm/Disarm button will glow solid green. The helicopter will emit a long tone and all four rotors will spin at idle speed (C). The helicopter is armed and ready for take off.

**Note:** While idling, the helicopter will automatically disarm when the throttle stick is left in the full down position (zero on the LCD screen) for 2 seconds in Film Mode or 15 seconds in Sport Mode, one or more of the rotors are obstructed, or the helicopter detects an impact.
AUTO TAKE-OFF
(Film Mode only) With the helicopter armed and idling, gently raise the throttle stick to the center position (the LCD screen will read 50%). The transmitter will emit a descending tone until you reach the center position. The center position activates Auto Take-Off. The helicopter will automatically take off and maintain hover at 8-10 feet (2-3 meters).

CONTROLLING ĀTON (FILM MODE)
Your helicopter is set by default to Film Mode. Film Mode is the easiest to fly and will allow you to quickly become familiar with the controls.

- Fly Higher: Raise the throttle stick past the center position and the helicopter will gain altitude. The transmitter will beep a high tone alerting you that it is climbing. The farther up you move the stick, the faster it will climb. When the desired altitude is reached, move the stick back to the center position (no sound) and the model will maintain altitude.

- Fly Lower: Lower the throttle stick past the center position and the helicopter will lose altitude. The transmitter will beep a low tone alerting you that it is descending. The farther down you move the stick, the faster it will descend. When the desired altitude is reached, move the stick back to the center position (no sound) and the model will maintain altitude.

- Rotating (Yaw): Move the throttle stick left or right to rotate the model around its center axis. This has no effect on the altitude.

- Maneuvering: Move the control stick in the direction you want the model to travel. The farther you move the stick, the faster it will travel. Note that if the helicopter has been rotated so that the front is facing you (nose in), then the controls will seem reversed.

LANDING
When you are finished flying, either press the Return to Home button to automatically land the helicopter (see Return to Home below) or manually land the helicopter in a safe location by gently lowering the throttle stick to the full down position. Once you have safely landed, press and hold the fast blinking green Arm/Disarm button on the transmitter for 2 seconds to disarm your model. The helicopter will not disarm unless the throttle stick is in the down position.

RETURN TO HOME
When all four status LEDs are glowing solid, you can automatically return to your original take-off location at any time during flight by pressing the Return to Home button on the transmitter (A). The Home status LED on the Status Bar and the Home button on the transmitter will blink slowly (B). The helicopter will position itself with the Status Bar facing the Return to Home location (nose out); then, it will rapidly move in a straight flight path back to the home location, descend, land, and disarm. The transmitter will emit a low-high-mid tone indicating that the model is returning to home. If the helicopter was flying at an altitude below 45 feet (14 meters), it will ascend to this altitude; if it was flying at an altitude above 45 feet (14 meters), it will maintain its current altitude while returning. Note: While the helicopter is descending, the control stick can be used to land the Āton in a different location other than the set home position.

Resetting Home Location
When you land and disarm the helicopter away from the original home location, the Home Status LED and the Return to Home button on your transmitter will both blink fast (A). You can set the new position as the Return to Home landing location by pressing the blinking Return to Home button on the transmitter (B).

Note: If you do not wish to reset your home landing location, arm the helicopter and continue flying. Āton will retain the original home location.
Return to Home - Out of Radio Control Range Failsafe
The transmitter and helicopter are equipped with an automatic fail-safe system. In the event of signal loss or interference, the transmitter will automatically switch to Film Mode and the transmitter will emit the Return to Home sound (low-high-mid tone followed by a beep). The helicopter will automatically return to the home location, land, and disarm (with a set home location) or immediately land and disarm (without a set home location; see “Flying without GPS” on page 9). Determine the reason for signal loss and resolve the problem before operating the helicopter again.

Note: If a control signal is reestablished between the transmitter and receiver along the return to home flight path, you may cancel Return to Home by pressing the Air Brakes button (see “Air Brakes” on page 11). Release the button to regain complete control of the model in Film Mode.

Return to Home - Geofence Breach
Åton comes configured with a GPS-controlled boundary (geofence) with a radius of approximately 500 feet (150 meters). When Åton flies beyond this boundary, it will automatically return to home. The transmitter will emit the Return to Home sound followed by 2 beeps, indicating a geofence breach. Once inside the geofence, you may press the Air Brakes button to cancel return to home and continue flying in Film Mode. The geofence boundary does not represent the control range of the radio system. You may use the Traxxas Flight Link application to modify the distance of or remove the geofence boundary. Removing the geofence boundary can create situations where the Åton at far distances may perform autonomous behavior (such as Return to Home) and won’t be able to communicate to the operator what it is doing until it is back within telemetry range. The geofence boundary keeps Åton approximately within telemetry range for two-way communication between Åton and the operator.

Return to Home - Low Voltage Failsafe (Telemetry)
Within a range of about 500 feet (150 meters), the helicopter has 2-way communication with the transmitter and will alert you when the battery level is low. When the battery is nearly discharged (approximately 30 seconds before entering low voltage emergency reserve mode), the transmitter will emit a tone every 5 seconds. Immediately fly the helicopter to a safe location and land it. In the last 5 seconds, the tone will be continuous. After that, the transmitter will emit the Return to Home sound (low-high-mid tone followed by 3 beeps) and the helicopter will automatically return to the home location, land, and disarm. If necessary, use the Air Brakes button to cancel Return to Home to steer around unexpected obstacles in the return to home path. Once clear, press the Return to Home button again to continue, or maneuver and land the Åton on your own as quickly and safely as possible. **WARNING:** DO NOT always rely on the emergency reserve return to home function to land. Conditions such as distance, wind, and temperature can affect the battery’s end of charge reserve, resulting in a shutdown in flight. DO NOT ignore the first battery low voltage warning, but safely return and land as soon as possible. To prevent permanent damage to your battery pack, ALWAYS disconnect the battery whenever the helicopter is not in use. Please note that if you have disabled or increased the radius of the default geofence, this will affect your ability to receive battery alerts. Refer to the the section “Flying without the Geofence Protection” on page 9 for more information.
Return to Home is Your Extra Security
Āton’s sophisticated Return to Home functions are there to help whenever you need it. If you ever encounter a difficult or uncomfortable situation, such as losing directional orientation, loss of visual contact, high winds, flying too high and so on, simply press the Return to Home button. Let Āton bring itself back to you quickly and safely. Āton’s Return to Home function can be especially helpful if you are learning how to fly for fun in Sport or Expert Modes.

Flying without GPS (without a Return to Home Location)
WARNING: The Āton has tremendous power and capability; it can very easily get out of your line of sight. Flying the helicopter without a satellite GPS signal and a set Return to Home location has the risk of losing your helicopter. We do not recommend flying Āton without GPS fully enabled and functioning. If the helicopter encounters an emergency situation during flight without GPS, such as loss of the radio control signal or critically low battery, Āton will attempt to safely land and disarm. This can result in loss of the Āton if it is, for example, over water or some other area where it can’t be retrieved. To help prevent problems, always fly with GPS enabled and avoid flying over areas where an unexpected emergency landing could endanger the Āton or nearby people and property.

If for some reason you decide it is necessary to operate Āton without GPS, you can override the satellite search function by pressing and holding the Arm/Disarm button on the transmitter for 2 seconds. This will arm the helicopter for flight, but the Return to Home function will be deactivated (the GPS Status LED on the Status Bar will continue to blink green slowly during flight).

When you are finished flying, land the helicopter in a safe location.
Move the throttle stick to the full down position. Press and hold the fast blinking green Arm/Disarm button on the transmitter for 2 seconds to disarm your model. The helicopter will not disarm unless the throttle stick is in the full down position.

Note: If a satellite GPS signal is found during flight, the GPS Status LED on the Status Bar will glow solid green indicating that the Return to Home function is now active. This location will be set as the Return to Home location. To choose a different location, land the helicopter, disarm it, and then follow the instructions in the “Resetting Home Location” section on page 7.

Flying without the Geofence Protection
The Āton is programmed with default geofence protection that keeps Āton within the range of the telemetry communication. The geofence radius is set to about 500 feet (150 meters) and can be adjusted or removed using the Traxxas Flight Link App. If you remove the geofence, you can encounter situations where the Āton is flying autonomously (such as Return to Home) without providing information to the pilot about its actions until it flies within telemetry range. Once in range, the transmitter will provide alerts to the pilot. For example, if the Āton’s battery reaches the end of its charge while the Āton is flying beyond telemetry range, the pilot will not receive the progression of prompts from the transmitter to return and land. When the battery reaches its critical threshold, Āton will return to home automatically without alerting the pilot until Āton is inside telemetry range with the Return to Home sound followed by three beeps. When you observe the Āton flying autonomously and returning to home, do not cancel return to home until you receive an alert that informs you of the reason it is returning to home. If the reason is a low battery, then allow Āton to return and land on its own. We recommend that pilots do not disable or extend the geofence range unless they are fully familiar and confident in how the Āton responds to different circumstances.

HELPFUL FLYING TIPS
Controls are reversed as the model flies toward you.
• When your model is flying away from you, the helicopter reacts to direction changes just as you command. If you command the model to move right, it will move to your right as you commanded.
• When the helicopter is coming toward you and you command the model to move right, the model will move to your left. Always remember that the model flies forward, reverse, right, and left relative to the position of itself, not relative to your position.
• Until you become used to reversing your control inputs as the model changes direction, allow yourself extra flying room to accommodate pilot error.
• To help with directional control, it may help to imagine yourself sitting in the cockpit of the helicopter.
• The model will react quickly to your commands. At first, move the controls SLOWLY and make small, gentle control movements to avoid loss of control. If you ever feel you don’t have complete control of the helicopter, maintain altitude with the throttle stick and release the opposite stick to return to level flight (Film and Fast Mode).
• Fly the Āton with the Status Bar facing you (nose out) until you become familiar with the flight controls and different behaviors of the helicopter.
• Fly at least 8-10 feet (2-3 meters) above the ground to avoid ground turbulence for a more stable and controllable flight.

Be prepared for altitude changes as you fly. Forward/reverse and left/right movements may increase or reduce lift, causing the helicopter to gain or lose altitude. Be prepared to react to altitude changes by adjusting the throttle as you fly the model.

If one or more of the rotor blades are obstructed, the helicopter will disarm itself. Move the helicopter to a clear area, remove the obstruction, arm the helicopter again, and continue flying. If the helicopter will not fly correctly, unplug the battery and inspect the helicopter for damage.

“FIND ME” BEEPER
If the helicopter lands and disarms out of your line of sight, it is equipped with a beeper to help determine its location. To activate the beeper, move the throttle stick on the transmitter to the full down position (the beeper will not activate unless the throttle stick is in the down position); then, move the flight stick right and back.
CAPTURING VIDEO

Film Mode
The transmitter will always power up in Film Mode. Film Mode is the easiest to fly (see “Controlling Āton” on page 7 for flight control instructions). Install the included landing gear and fixed camera mount to the Āton; then, use your GoPro® or other action camera and accessories (not included)* to capture aerial video.

IMPORTANT: Consult local laws and ordinances before installing and operating any type of photograph-capable or video recording device on this model.

WARNING: To prevent radio interference and loss of control, always disable Wi-Fi on your GoPro® or other action camera (if so equipped) BEFORE flying the Āton.

WARNING: Some GoPro® cameras, specifically the Hero 3 and Hero 4 series with LCD screen, are known to produce radio frequency emissions that could interfere with Āton’s ability to acquire GPS satellite communications. The Āton is equipped with shielding to help protect it from these radio frequency emissions. Use caution with these cameras and test in a safe area to be sure Āton is acquiring GPS satellites and setting a Return to Home location when these cameras are attached, powered on, and recording video. DO NOT operate Āton with these cameras if you are not connected to GPS (four green LEDs on the Status Bar).

1. LANDING GEAR INSTALLATION
Use the included 2.6x8mm screws to mount the front and rear landing gear to the helicopter.

2. CAMERA BRACKET INSTALLATION
Attach the fixed camera mount to the front landing gear by aligning the tabs. Slide the mount toward the rear of the helicopter until the tabs snap into place.

FINAL ASSEMBLY

GoPro® Camera and accessories not included
Note: The following instructions are for Mode 2 transmitters (throttle stick on the left, flight control stick on the right).

**Sport Mode**

For those that want to go beyond simply directing Aton in the sky and explore what it’s like to actually take more control and fly, Aton is equipped with Sport Mode. Sport (Fast) Mode uses the full capability of the 6-axis flight control system (auto leveling) for high-speed sport flying. Altitude hold is disabled and both altitude and throttle are controlled by the throttle stick (left stick, Mode 2). Sport Mode also enables trick functions.

To enter Sport Mode, the Aton should be powered on and disarmed. Press to click the flight control stick (right stick) once to toggle the Aton into Sport Mode. The transmitter will beep 2 times, the green LED will begin flashing, and the LCD will display **FAST**.

Performing tricks

In Sport (Fast) Mode, Aton can perform automated expert flips and rolls when you press the AUX1 button, and then enter a quick stick command in the chosen direction. **Do not attempt these flight tricks until you are able to fly confidently in Sport Mode.** Choose an area that will provide a soft landing and maintain enough altitude to allow room to recover control as you practice flipping the model. The number of flips and rolls performed can be set using the Traxxas Flight Link App (see page 14 for more information).

There are also menu functions in the transmitter that allow you to customize the settings. Refer to the instructions online for using the transmitter menu.

Note: Always remove camera frame and landing gear BEFORE attempting flight tricks.

**AIR BRAKES**

If you lose control of Aton at any point, press and hold the Air Brakes button and Aton will come to a stop and hover in place. When you are ready, release the Air Brakes button and continue flying in the currently selected mode (Film, Sport, or Expert).

**RETURN TO HOME**

The Return to Home button may be pressed at anytime to stabilize Aton and return it to you. You may cancel return to home by pressing and releasing the Air Brakes button. Aton will then be flying in Film Mode under your control.

**ADVANCED: CHANGING MODES DURING FLIGHT**

Advanced pilots may find it helpful to be able to change modes during flight. For example, if you are flying in Sport Mode, use Return to Home, and then cancel return to home. Aton will then be flying in Film Mode. You can switch back to Sport Mode and continue flying by pressing and holding the Air Brakes button, and then pressing (clicking) the flight control stick to toggle through the modes...one click for Sport Mode, 2 clicks for Expert Mode. Release the Air Brakes button to continue flying in the selected mode.
**Expert Mode**

In **Expert Mode**, the 6-axis flight control system (auto leveling) is disabled, allowing the pilot to have full control over all aspects of flight. Expert Mode is truly for experts. If you find yourself flying Āton out of control, press and hold the Air Brakes button or press the Return to Home button. When flying in Expert Mode, move the flight stick toward the highest side of the helicopter (left or right) to level it. Choose a location that allows you to fly over grass or another soft surface.

From Film Mode with the helicopter landed and disarmed, click the flight stick twice to activate Expert Mode. The transmitter will beep 3 times, the green LED will begin double flashing, and the LCD will display EXPERT.

**WARNING:** This mode is intended for expert level pilots only! For more information on how to perform expert tricks and flips and learn how to access the menu and advanced controls, visit Traxxas.com for additional details and instructions.

**CARING FOR YOUR HELICOPTER**

- After each flight and immediately after any crash, inspect your model for worn or damaged parts. If required, parts are available from your local Traxxas hobby dealer or at Traxxas.com. For a complete parts list and exploded view of your model, refer to the Service and Support Guide in this manual.
- When not in use, store your model in its original packaging with the batteries removed from the transmitter and helicopter.
- If you do not plan to fly your model for a week or more, store the battery approximately 50% charged to maintain battery performance and life. To achieve a 50% charge, fly the model until the battery requires recharging. Charge the battery for half the time typically required to fully charge the battery or fly the model until a 50% charge remains.

**WARNING!** Do not store or attempt to charge a swollen or damaged battery! See “Safety Precautions” on page 5 for more information on LiPo batteries.

**ROTOR BLADE INSTALLATION**

The Āton’s rotor blades are not identical. Each blade is labeled with an A or B. When installing replacement rotor blades, be certain to install the rotor blades with the corresponding A or B for each of the legs (A or B labels for the legs are molded on the LED lens).

The helicopter will not fly if the rotor blades are not installed in the proper locations.
TROUBLESHOOTING GUIDE

- The helicopter can’t find a satellite GPS signal.
  1. Certain surfaces can cause signal interference between the helicopter and GPS satellites. Move the helicopter to different launch locations and away from buildings, parked cars, and other obstructions until a signal can be established. **We don’t recommend flying without a GPS signal.**

- The transmitter and the helicopter are on, but the helicopter won’t fly.
  1. The model is not armed or has timed-out. See step 6 of the “Flying Your Model” section to arm your helicopter.

- The helicopter does not perform a trick when the AUX1 button is pressed and then a stick command is given.
  1. The transmitter is not in Fast Mode. See the “Flight Modes” section.

- The helicopter landed by itself, and now the throttle will not respond.
  1. The helicopter battery needs to be recharged (low voltage).

- The LED is blinking on the transmitter, and the transmitter will not control the model.
  1. The transmitter is in binding mode. Confirm that the helicopter is powered on and the transmitter is in binding mode (blinking LED, LCD displays rotating segments). Move the transmitter to within one foot of the helicopter. The transmitter and helicopter should bind (indicated by a tone from the transmitter, solid green LED on the transmitter, solid green Power and Info Status LED on the helicopter, and the Disarmed Flight Screen on the transmitter LCD).
  2. There was a problem with the binding process. Power down the transmitter and the helicopter, and then power them on again (transmitter first, then helicopter). The transmitter and helicopter should bind (indicated by a tone from the transmitter, solid green LED on the transmitter, solid green Power and Info Status LEDs on the helicopter, and the Disarmed Flight Screen on the transmitter LCD).
  3. The model is not armed or has timed-out. To arm your helicopter, see step 6 of the “Preparing for Flight” section on page 6.

- The transmitter settings have been adjusted incorrectly for optimal flight.
  1. Return the transmitter to the default settings.

  A. Ensure the transmitter is off.
  B. Press and hold the AUX2 button and the Menu Down button.
  C. While holding both buttons, turn the transmitter on.
  D. Continue holding both buttons for 3 seconds until the transmitter beeps. Release both buttons.
  E. The transmitter is reset and is in bind mode (blinking LED, LCD displays rotating segments).
  F. Confirm that the helicopter is powered on and is in binding mode (Info Status LED blinking fast green).
  G. Move the transmitter to within one foot of the helicopter. The transmitter and helicopter should bind (indicated by a tone from the transmitter, solid green LED on the transmitter, solid green Power and Info Status LEDs on the helicopter, and the Disarmed Flight Screen on the transmitter LCD).

- The helicopter battery is fully charged and the rotor blades are spinning, but the helicopter will not lift off.
  1. The rotor blades have been installed incorrectly. See “Rotor Blade Installation.”

- The helicopter does not fly as expected or the helicopter performs erratically in Film Mode.
  1. The helicopter has lost the GPS signal. Fly the helicopter to a suitable flying area with a clear view of the sky to reestablish the GPS signal.

- The helicopter does not fly as expected or the helicopter performs erratically in Fast or Expert Mode.
  1. The accelerometer or flight compass needs to be reset. Go to Traxxas.com for additional information and instructions or call the Traxxas Technical Support Line toll-free at: 1-888-TRAXXAS (1-888-872-9927).
ADVANCED TUNING GUIDE

Programming your helicopter with your Apple iPhone, iPad, iPod Touch, or Android device

The Åton is equipped with Bluetooth®. This transforms your Apple®, iPhone®, iPad®, iPod touch®, or Android™ device into a powerful tool that equips the Åton with an intuitive, high-definition, full-color graphical user interface.

Traxxas Flight Link™ App

The powerful Traxxas Flight Link App (available in the Apple App Store℠ or on Google Play™) makes it easy to learn, understand, and access powerful tuning and adjustment options. Use the app to verify flight status and GPS connection or confirm transmitter and receiver radio signal. Adjust flight controls and settings by simply touching and dragging the sliders on the screen.

- Check helicopter flight status
- Adjust Film Mode speeds
- Navigate the transmitter Menu Tree
- Program the AUX1 button functions
- Modify geofence boundaries
- Adjust helicopter LED light settings
- Select and save user profiles
- Upgrade the helicopter firmware

The Traxxas Flight Link app contains step-by-step instructions for pairing the app with your Åton via Bluetooth®.

If you do not have a smart phone or similar device, the transmitter contains a menu that allows you to adjust flight settings and customize buttons. Visit Traxxas.com for a guide to using the built-in transmitter menu functions.

Updating Firmware:

Your Åton has the ability to receive firmware updates that can add new features and capabilities. Firmware updates are performed via a microSD card (not included) that installs on the main board. The microSD card slot can be accessed by removing the front canopy (two screws). Visit Traxxas.com for the latest firmware updates and instructions for how to install them on your model.

Ground Control Station:

Åton’s autonomous flight control is open source and it is compatible with ground control station applications, such as Mission Planner, available at www.dronecode.org. With Mission Planner you can review flight logs, overlay your path onto maps, and see your altitude.*

*Viewing flight logs requires a desktop PC and installation of a micro SD card (not included).

© 2018 Google – Map data © TeleAtlas, imagery © 2018 TerraMetrics

Åton software contains open source components. Please visit Traxxas.com/open-source for license information.

Compatible with:
- iPod touch (5th generation and later)
- iPad mini
- iPad (3rd generation and later)
- iPhone 5s
- iPhone 6
- iPhone 4S
- Android 4.4 (and later)
- iPhone 5C
- iPhone 5S
- iPhone 6
- Apple, the Apple logo, iPhone, iPad, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
- App Store is a service mark of Apple Inc. Android and Google Play are trademarks of Google Inc.
Traxxas encourages you to register your model online at Traxxas.com/register.

FCC Compliance
This device contains a module that complies with the limits for a Class B digital device as described in part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The limits for a Class B digital device are designed to provide reasonable protection against harmful interference in residential settings. This product generates, uses, and can radiate radio frequency energy, and, if not operated in accordance with the instructions, may cause harmful interference to radio communications. The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canada, Industry Canada (IC)
This Class B digital apparatus complies with Canadian ICES-003 and RSS-210. This device complies with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Radio Frequency (RF) Exposure Statement (Transmitter)
For body-worn operation, this device has been tested and meets FCC and Industry Canada RF exposure guidelines when used with an accessory that contains no metal and that positions the device a minimum of 5mm from the body. Use of other accessories may not ensure compliance with RF exposure guidelines. To comply with the FCC RF exposure compliance requirements, this device and its antenna must not be co-located or operated in conjunction with any other antenna or transmitter.

Radio Frequency (RF) Exposure Statement (Helicopter)
This equipment complies with radio frequency exposure limits set forth by FCC and Industry Canada for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body or bystanders and must not be co-located or operated in conjunction with any other antenna or transmitter.

Battery Recycling (for U.S.A.)
The Rechargeable Battery Recycling Corporation (RBRC)TM seal on your model's included battery indicates that Traxxas is voluntarily participating in a battery recycling program to collect and recycle these batteries at the end of their useful lives, when taken out of service within the United States. The RBRC program provides a convenient alternative to placing used NiMH batteries into the trash or municipal waste system, which is illegal in some areas. Please call 1-800-BATTERY (1-800-8-228-8379) for information on battery recycling in your area. Traxxas' involvement in this program is part of its commitment to protecting the environment and natural resources that we all share. RBRC TM is a trademark of the Rechargeable Battery Recycling Corporation.

CE Compliance for Users in the European Union
WEEE Compliance:
Please help the environment by disposing of your product responsibly at the end of its life. The wheeled bin symbol indicates that this product should not be disposed of in your household waste containers. Instead, the product should be disposed of by using a designated collection point for the recycling of waste electrical and electronic equipment. The Waste of Electrical and Electronic Equipment (WEEE) Directive (2002/96/EC) requires that the best available recycling techniques be employed to minimize the impact on the environment.

Recycling electronics helps by keeping harmful chemicals out of the environment, and also saves money by reusing precious metals. Remove any batteries and dispose of them and the product at your local authority's recycling facility. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service, or the location where you purchased this product.

Declaration of Conformity for RED Directive
Traxxas hereby declares that this product is in compliance with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available online at: https://traxxas.com/compliance

Traxxas, 6250 Traxxas Way, McKinney, Texas 75070

THIS MODEL IS NOT INTENDED FOR USE BY CHILDREN UNDER THE AGE OF 14 WITHOUT THE SUPERVISION OF A RESPONSIBLE ADULT.

WARNING!

POTENTIAL CHOKING HAZARD! KEEP THIS MODEL, ITS TRANSMITTER, AND EXTRA EQUIPMENT OUT OF THE REACH OF CHILDREN UNDER 3 YEARS OF AGE!
### Aton (7908) Parts List

Parts shown in bold are optional accessories. Part categories and individual part listings are arranged alphabetically.

#### Canopies & Blades

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>7913</td>
<td>Canopy, front, black/white, Aton</td>
<td></td>
</tr>
<tr>
<td>7912</td>
<td>Canopy, front, blue/white, Aton</td>
<td></td>
</tr>
<tr>
<td>7914</td>
<td>Canopy, front, green/white, Aton</td>
<td></td>
</tr>
<tr>
<td>7911</td>
<td>Canopy, front, red/white, Aton</td>
<td></td>
</tr>
<tr>
<td>7916</td>
<td>Canopy, rear, black, Aton</td>
<td></td>
</tr>
<tr>
<td>7919</td>
<td>Canopy, roll hoop, blue</td>
<td></td>
</tr>
<tr>
<td>7921</td>
<td>Canopy, roll hoop, green</td>
<td></td>
</tr>
<tr>
<td>7920</td>
<td>Canopy, roll hoop, orange</td>
<td></td>
</tr>
<tr>
<td>7918</td>
<td>Canopy, roll hoop, red</td>
<td></td>
</tr>
<tr>
<td>7922</td>
<td>Canopy, roll hoop, white</td>
<td></td>
</tr>
<tr>
<td>7981</td>
<td>Decals, high visibility, blue</td>
<td></td>
</tr>
<tr>
<td>7983</td>
<td>Decals, high visibility, green</td>
<td></td>
</tr>
<tr>
<td>7982</td>
<td>Decals, high visibility, orange</td>
<td></td>
</tr>
<tr>
<td>7985</td>
<td>Decals, high visibility, red</td>
<td></td>
</tr>
<tr>
<td>7984</td>
<td>Decals, high visibility, white</td>
<td></td>
</tr>
<tr>
<td>7926</td>
<td>Rotor blade set, black (2)</td>
<td></td>
</tr>
<tr>
<td>7929</td>
<td>Rotor blade set, blue (2)</td>
<td></td>
</tr>
<tr>
<td>7931</td>
<td>Rotor blade set, green (2)</td>
<td></td>
</tr>
<tr>
<td>7930</td>
<td>Rotor blade set, orange (2)</td>
<td></td>
</tr>
<tr>
<td>7928</td>
<td>Rotor blade set, red (2)</td>
<td></td>
</tr>
<tr>
<td>7927</td>
<td>Rotor blade set, white (2)</td>
<td></td>
</tr>
<tr>
<td>7942</td>
<td>Wrench, rotor blade, 2mm (hex)</td>
<td></td>
</tr>
</tbody>
</table>

#### Hardware

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3229</td>
<td>Screws, 2.5x10mm cap-head machine (hex drive)</td>
</tr>
<tr>
<td>7944</td>
<td>Screws, 2.6x5mm button-head, self-tapping</td>
</tr>
<tr>
<td>7943</td>
<td>Screws, 2.6x8mm button-head, self-tapping</td>
</tr>
</tbody>
</table>

#### Main Frame & LED Lenses

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7972</td>
<td>Damper balls, anti-vibration, gimbal</td>
</tr>
<tr>
<td>7949</td>
<td>Feet, non-slip, LED lens (4)</td>
</tr>
<tr>
<td>7973</td>
<td>Landing gear, tail</td>
</tr>
<tr>
<td>7952</td>
<td>LED lens, front, blue (left &amp; right)</td>
</tr>
<tr>
<td>7950</td>
<td>LED lens, front, clear (left &amp; right)</td>
</tr>
<tr>
<td>7954</td>
<td>LED lens, front, green (left &amp; right)</td>
</tr>
<tr>
<td>7953</td>
<td>LED lens, front, orange (left &amp; right)</td>
</tr>
<tr>
<td>7951</td>
<td>LED lens, front, red (left &amp; right)</td>
</tr>
<tr>
<td>7962</td>
<td>LED lens, motor, blue (left &amp; right)</td>
</tr>
<tr>
<td>7960</td>
<td>LED lens, motor, clear (left &amp; right)</td>
</tr>
<tr>
<td>7964</td>
<td>LED lens, motor, green (left &amp; right)</td>
</tr>
<tr>
<td>7963</td>
<td>LED lens, motor, orange (left &amp; right)</td>
</tr>
<tr>
<td>7961</td>
<td>LED lens, motor, red (left &amp; right)</td>
</tr>
<tr>
<td>7957</td>
<td>LED lens, rear, blue (left &amp; right)</td>
</tr>
<tr>
<td>7955</td>
<td>LED lens, rear, clear (left &amp; right)</td>
</tr>
<tr>
<td>7959</td>
<td>LED lens, rear, green (left &amp; right)</td>
</tr>
<tr>
<td>7958</td>
<td>LED lens, rear, orange (left &amp; right)</td>
</tr>
<tr>
<td>7956</td>
<td>LED lens, rear, red (left &amp; right)</td>
</tr>
<tr>
<td>7923</td>
<td>Main frame (black)</td>
</tr>
<tr>
<td>7924</td>
<td>Mount, camera/gimbal (anti-vibration)</td>
</tr>
</tbody>
</table>

#### Motors & Electronics

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7970</td>
<td>Gimbal, 2-axis</td>
</tr>
<tr>
<td>7947</td>
<td>LED light harness, front</td>
</tr>
<tr>
<td>7948</td>
<td>LED light harness, rear</td>
</tr>
<tr>
<td>7934</td>
<td>Motor, brushless</td>
</tr>
</tbody>
</table>

#### Radio System, Batteries & Chargers

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2831X</td>
<td>5000mAh 11.1v 3-Cell 20C LiPo Battery</td>
</tr>
<tr>
<td>2832X</td>
<td>5000mAh 11.1v 3-Cell 25C LiPo Battery</td>
</tr>
<tr>
<td>2948</td>
<td>Charger, 2-3 Cell LiPo Balance</td>
</tr>
<tr>
<td>2972</td>
<td>Charger, EZ-Peak Dual, 100W, NiMH/LiPo with iD Auto Battery Identification</td>
</tr>
<tr>
<td>2970</td>
<td>Charger, EZ-Peak Plus, 4 amp, NiMH/LiPo with iD Auto Battery Identification</td>
</tr>
<tr>
<td>6640X</td>
<td>Gimbal sticks, transmitter (thumb pads)</td>
</tr>
<tr>
<td>7939</td>
<td>Transmitter, Aton</td>
</tr>
</tbody>
</table>
Model Assembly

See Parts List for a complete listing of optional accessories.

Specifications on this page are subject to change without notice. Every attempt has been made to ensure the accuracy of this drawing, however Traxxas cannot be held responsible for typographical or other errors.

REV 160330-R04