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 Āton in the sky and explore what it's like to actually take more control and fly, Āton is equipped with **Sport Mode**.

Selecting Sport Mode (while disarmed)

Click Once   Flashing

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 Āton should be powered on and disarmed. Press to click the flight control stick (right stick) once to toggle the Āton 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, Āton 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)*.
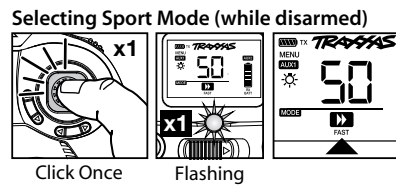
There are also menu functions in the transmitter that allow you to customize the settings. Refer to the instructions online for using the transmitter menu.

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

AIR BRAKES

If you lose control of Āton at any point, press and hold the *Air Brakes* button and Āton 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**).
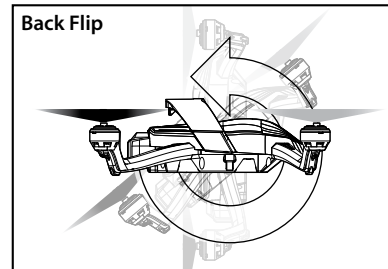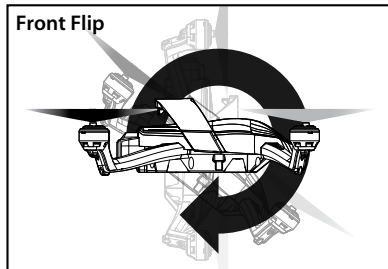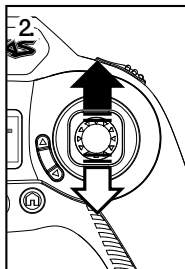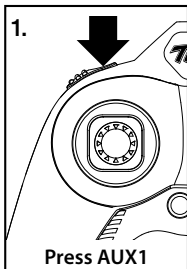
RETURN TO HOME

The *Return to Home* button may be pressed at anytime to stabilize Āton and return it to you. You may cancel return to home by pressing and releasing the *Air Brakes* button. Āton will then be flying in **Film Mode** under your control.
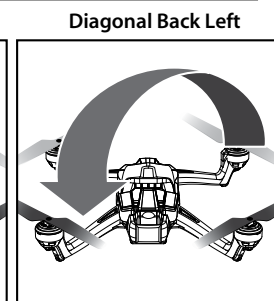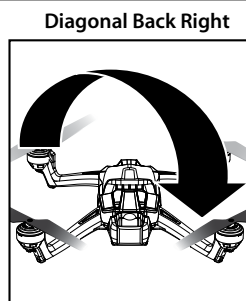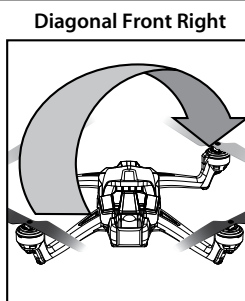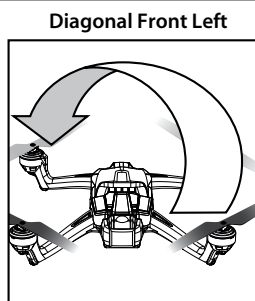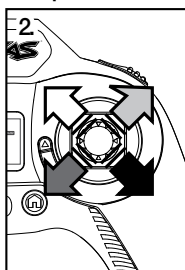
ADVANCED: CHANGING MODES DURING FLIGHT

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. Āton 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.

Front and Back Flips

1. Press AUX1   2   Front Flip   Back Flip

Diagonal Front and Back Flips

1. Press AUX1   2   Diagonal Front Left   Diagonal Front Right   Diagonal Back Right   Diagonal Back Left

Side Flips

1. Press AUX1   2   Left Flip   Right Flip
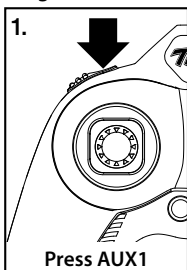
Expert Mode

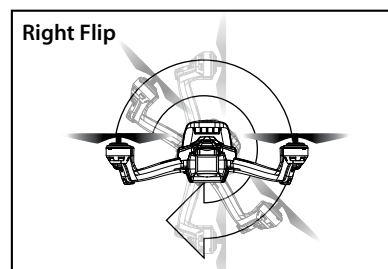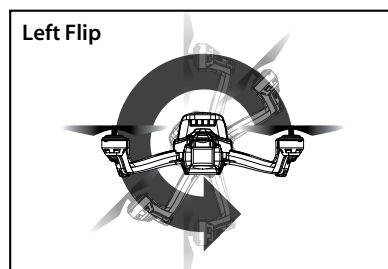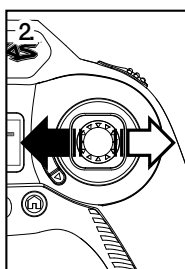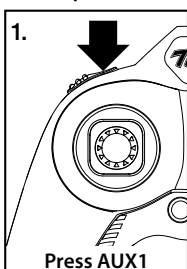In **Expert Mode**, the 6-axis flight control system (auto leveling) is disabled, allowing the pilot to have full control over all aspects of flight. Expert Mode is truly for experts. If you find yourself flying Āton out of control, press and hold the *Air Brakes* button or press the *Return to Home* 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.

Selecting Expert Mode (while disarmed)

Click Twice
(Click again to return to Film Mode)

Double Flashing

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.

B   ▲ Front   A

A   B
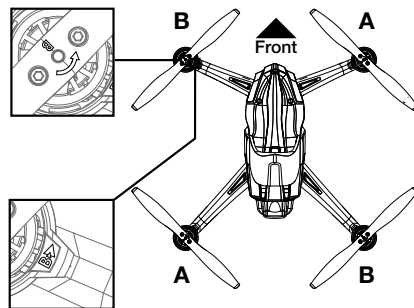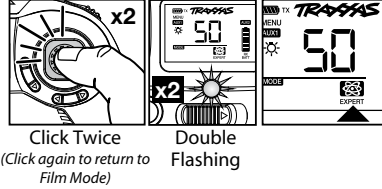
LED STATUS BAR

The LED Status Bar on the model is your flight information center. The chart below defines common Status Bar messages.

	Power	GPS	Home	Info
On (Working / Available)	Linked to transmitter	GPS signal acquired	Home location set	All systems normal, Ready to Fly
Off (Not Available)	Battery disconnected	–	Return to Home not available	Battery disconnected
Slow Flashing (Active)	Looking for transmitter signal	Searching for satellites	Return to Home active	Low battery
Fast Flashing (User Action Needed)	Transmitter signal lost	–	Helicopter has landed away from the set home location	–

TRANSMITTER CODES

Home Button Fast Flashing: Helicopter has landed away from set home location

Home Button Slow Flashing: Helicopter returning to home landing location

Arm/Disarm Button Flashing: Helicopter is disarmed

Power Indicator Flashing: Low batteries in transmitter; land immediately

RETURN TO HOME REFERENCE GUIDE

Tone/Beep Pattern	Name	Description
Low-mid-high tone	Return to Home	Return to Home button pressed
Low-mid-high tone + 1 beep	Out of Radio Control Range	Radio signal loss or interference
Low-mid-high tone + 2 beeps	Geofence Breach	Āton has flown beyond GPS-controlled boundary (geofence)
Low-mid-high tone + 3 beeps	Low-Voltage Failsafe	Transmitter or helicopter battery is nearly discharged.

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 Āton is equipped with Bluetooth®. This transforms your Apple® iPhone®, iPad®, iPod touch®, or Android™ device into a powerful tool that equips the Āton 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 Āton via Bluetooth®.
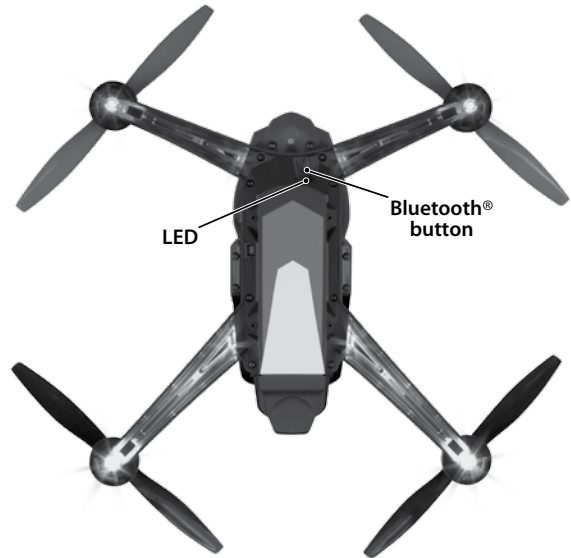
If you do not have a smart phone or similiar device, the transmitter contains a menu that allows you to adjust flight settings and customize buttons. Visit Traxxas.com for a guide to using the built-in transmitter menu functions.

Updating Firmware:

Your Āton 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:

Āton'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).

© 2016 Google – Map data © TeleAtlas, imagery © 2016 TerraMetrics

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

Compatible with:	iPhone 4S
iPod touch (5th generation and later)	iPhone 5
iPad (3rd generation and later)	iPhone 5C
iPad mini	iPhone 5S
Android 4.4 (and later)	iPhone 6
	iPhone 6 Plus