

Learn basic controller functions and flight characteristics of the drone. Navigate the drone around cones placed in a line with and without sensors in Line of Sight (LOS). Students should be able to maintain elevation while navigating the cones to complete this activity. Cones should be placed 3-5 feet apart.

		PREFLIGHT CHECKLIST
Activity Type	Advanced Control	Site Safety Inspection ⊘ Designate flight area
Activity Time	10-20 Mins	Iace signage and ensure area remains clear
Student Groups of	1-6	
Difficulty	Medium	Preflight Inspections Inspect drone for any damage □
Supplies	Safety Gear, Drone, Controller, Batteries, Cones, FPV goggles	 Debris or hair in the motors Inspect battery and verify voltage Insert battery until fully seated
Designated Flight Area	Clear area free of obstructions and moving air. Recommend atleast 10x10 ft.	 Connect and verify battery Apply safety gear

STEP #1

Set up cones in flight area, 3-5 feet apart. Power on your launch controller and drone.

STE2 #2

Ensure the drone is in low speed and Normal Mode by flipping both switch A & C fully down.



ROCKET

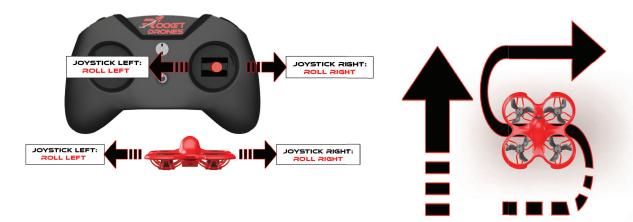
Do not change flight modes during flight!

STEP #3

Ensure the left joystick (throttle) is in the down position on startup then bring your drone up to shoulder level at a safe distance.

STEP #4

Once at waist level, each pilot should use a combination of left and right joystick to move down the line of cones, weaving between each cone.



STEP #5

Land and repeat this challenge 5 times.

STEP #6

Land and change to Sport mode by flipping switch A to the mid position. Then repeat steps 3-5.

STEP #7

FPV Experience

Complete Post Flight Checklist.

Post Flight Checklist		
• Remove batteries and allow a cooldown (3 mins)	 Ensure batteries are stored properly 	
• Power down controller and FPV goggles	Store controllers with each designated drone	
• Inspect drone for any damage	•	
	his skill in Normal and Sport Mode may attemp te this activity with FPV Goggles. Ensure ch	

frequencies are set properly. Refer to FPV Channel Settings.

ROCKET DRONES CHALLENGE

SLALOM

STUDENT COMPLETION CHECKLIST

Student's Name	Normal Mode		Sport Mode	
	LOS	FPV	LOS	FPV
1.				
2.				
3.				
4.				
5.				
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