OPERATING INSTRUCTIONS
KEEP WITH YOU FOR FUTURE REFERENCE

NOTICE:
Blurzz™ Rocket Powered Racers are for use only outside. The racetrack should only be set up on smooth hard pavement a minimum of 100 ft. (30.5 m) long by 30 ft. (9.1 m) wide. Before starting your Blurzz™ racer, READ THE ROCKET POWERED MODEL CAR SAFETY CODE! Failure to follow the Safety Code could result in serious injury to you, others and/or personal property. You are responsible for the safe operation of this product!

SUPPLIES YOU NEED (All sold separately)
- 2 TIERED BOTTLES FILLED WITH WATER, SODA, POP OR SAND
- 1 ROLL OF DUCT TAPE
- 4 AA ALKALINE BATTERIES
- ADDITIONAL BLURZZ™ A10-PT RACE ENGINES
- 2 MICRO-CUP STORAGE COMPARTMENTS
- 1 CRASH BARRIER
- 1 ENGINE MOUNT (Clips into racer)
- 1 ENGINE RETAINER RING
- 1 RACE CASE (For beginning of race track)
- 1 RACE LINE
- 1 PARACHUTE LINE GUIDE
- 1 RACE CONTROLLER
- 1 PARACHUTE (For braking)
- 1 PARACHUTE HOLDER (Remove first)
- 1 CASE COVER (For end of race track)

1. GETTING SET TO RACE
Open the race case and remove contents.
(Push in and lift cover up)

CAUTION:
To avoid damage to your racer use only Blurzz™ A10-PT Race Engines.

2. TRACK SET UP
Locate a stretch of smooth pavement at least 100 ft. (30.5 m) long by 30 ft. (9.1 m) wide free of cracks and holes.

A. Place one full bottle on top of race case to hold in place.
B. Open compartment. Remove micro-clips, then close.
C. Unwind race line as you walk to end of track.
D. Secure lines as shown.
E. Pull line tight and place other full bottle on race case cover.

START HERE...

RACETRACK GUIDELINES:
To avoid damage to your racer and track set:
- Set track up on a smooth, hard and flat surface free of large cracks and holes.
- Clear track of stones and other debris.
- Never use obstacles or ramps with track.

RACE LINE GUIDELINES:
- Keep the line pulled tight.
- Never step or ride over line.
- Never cut or change line length.
- Never tie line.
- Inspect line after each race.
- Replace broken or badly frayed line.

Call 1-800-525-7561 for Estes® race line replacement. Use only Estes® line.

WARNING:
Tripping Hazard—Do not cross race line when track is set up.

15 to 20 ft.
(4.6 to 6.1 m)

12-15 in.
(30.5-38.1 cm)

FINISH HERE...
3. INSTALLING THE BATTERIES IN THE RACE CONTROLLER

A. Push latch in, then down to open.
B. Insert three ‘AA’ batteries in one side. BE SURE TO NOTE POLARITY.
C. Insert one battery in other side. BE SURE TO NOTE POLARITY.
D. Replace the battery compartment door.

CAUTION:
Use only ‘AA’ alkaline batteries. Do not mix old and new batteries. Do not mix alkaline, standard or rechargeable batteries. Remove batteries when stored for long periods.

4. TESTING RACE CONTROLLER

A. Remove cap covering light (green). Replace cap when storing.
B. Clip micro-clips together. Light should not glow.
C. Insert safety key. Press key down and hold. Continuity light should glow with a bright white light. (A dim yellow light indicates batteries are weak and need to be replaced).
D. Continue holding safety key down and press launch button. Light will go out. Controller test complete - remove safety key, disconnect micro-clips.

RACE CONTROLLER GUIDELINES:
Keep safety key out of controller at all times except to start your engine. Make certain safety key is not in controller when:
- You are connecting micro-clips to the engine/igniter.
- You or others are within 15 ft. (4.6 m) of race track.
- You approach your racer blowing a misfire.
- You store the race controller. Immediately remove the safety key after starting your engine.

5. ATTACHING RACER TO RACE LINE

A. Turn racer upside down and clip front of racer to race line as shown.
B. Slide engine mount into racer body. Make sure both sides snap securely into place.
C. Turn racer upright and roll into position as shown.

6. PREPARE RACE ENGINE

A. Separate igniter and plug.
B. Remove engine retainer ring from engine mount and place over end of engine as shown.
C. Drop in igniter. DO NOT BEND IGNITER LEADS! IGNITER TIP MUST TOUCH PROPELLANT!
D. Insert and firmly push in igniter plug.

WARNING:
To avoid risk of burns or other injury, read and follow Engine Instructions included with engines and the Rocket-Powered Model Car Safety Code on the back of these instructions.
7. RACING PROCEDURE

A. Check accectack as follows:
- Check line for frays.
- Pull line tight.
- Set parachute base.
- Make sure everyone is 15 ft. (4.6 m) away from accectack.

B. Have safety key out of controller to avoid injury.

C. With igniter "UP" side engine into engine mount.

D. Twist retainer ring to lock engine in position.

E. Connect micro-clips to igniter as shown. If micro-clips touch each other or the axle, the engine will not ignite.

**WARNING:**
To prevent accidental ignition and risk of burns or other injury, make certain safety key is not in race controller when:
- You are connecting micro-clips to the engine/igniter.
- You or others are within 15 ft. (4.6 m) of race track.
- You approach your racer following a misfire.
- You store the race controller.

F. Get engine 15 ft. (4.6 m) away from racer and to either side of track.

**WARNING:**
To avoid risk of being hit or burned by the racer, you and others must remain 15 ft. (4.6 m) or more from track when racing.

To avoid being hit by the igniter plug, you and others must not stand behind the racer during ignition.

G. Insert the safety key into the controller.

H. Loudly start your engine count down.

I. Push and hold the safety key down.

J. Release both after engine starts. IMMEDIATELY REMOVE THE SAFETY KEY!

CLEAR TRACK!
READY! SET! GO!

MISFIRE:
TAKE KEY OUT OF THE CONTROLLER, WAIT ONE MINUTE BEFORE GOING NEAR THE RACER. Take the plug and igniter out of the engine. If the igniter has burned or worked but did not ignite the engine because it was not touching the propellant inside the engine. Put a new igniter all the way inside the engine without bending it. Push the plug in place. Repeat steps E through J.
ESTES® ROCKET-POWERED MODEL CAR SAFETY CODE

Read Before Using—Keep for Future Reference.

Rocket Powered Model Car - I will only operate my car outdoors according to the instructions. I will not alter my car or its parts in any way. I will inspect my car after each run and replace any part that is damaged before racing again.

Engine - I will use only the rocket fuel race engine recommended for my car. I will not alter the race engine, its parts or its ingredients in any way.

Electrical Ignition - I will only ignite my rocket fuel race engine when it is in the car and the car is fully engaged to the racetrack. I will only ignite my race engine with an igniter and the electrical ignition system provided. I will remove the safety key from the system immediately after ignition. I will never ignite the race engine when it's not in the car and on the racetrack.

Race Line - I will use only the race line recommended for my car. I will not alter the race line in any way. I will check the race line after each run and replace the entire race line if it is damaged in any way.

Racetrack - I will always keep my racetrack line tight so there is never any slack in the line. I will inspect my racetrack after each run and will repair or replace any parts with wear or damage before racing again. I will not alter my racetrack in any way.

Racetrack Site - I will only set my racetrack up outdoors on a smooth, flat surface, free of obstructions, cracks, holes and debris. The site will be clear of all items that may burn including brown grass and dry weeds. I will not use ramps or other items with my track that could cause my car to become airborne. I will not operate the car and/or racetrack in streets, alleys or parking lots that are busy or in areas where prohibited by law. My racetrack site will be at least as large as that recommended in the table below.

**RACETRACK SITE REQUIREMENTS:**

<table>
<thead>
<tr>
<th>Rocket Powered Model Car</th>
<th>Engine</th>
<th>Minimum Site Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blurzz™ Racer</td>
<td>Blurzz™ A10-PT Race Engine</td>
<td>100 ft. (30.5 m) x 30 ft. (9.1 m)</td>
</tr>
</tbody>
</table>

Racetrack Safety - I will not permit anyone to cross the racetrack while my car is on the track with engine installed or when running. I will not run my car when the track is wet or if it is windy. I will not operate the race car in any manner that is hazardous to people, animals or property.

Racing - I will make certain all persons are at least 15 ft. (4.6 m) away from my racetrack in all directions before igniting my racer's engine. I will provide an audible signal that the run is about to begin and provide a countdown or advise that the timing lights are working before igniting the engine.

Braking - I will not run my car without the drag chute braking system correctly attached to the race line. After each race I will check the drag chute and replace it if it has been damaged. I will not alter the braking system in any way.

Pledge - As an owner of an Estes® rocket-powered model car, I promise to faithfully follow all rules of safe rocket-powered model car racing as established in the above safety code.

Signature: ______________________________________

Important - Failure to follow the Estes® Rocket-Powered Model Car Safety Code may result in serious injury to you and others as well as cause serious damage to property for which you may be liable. Any negligent use of the product may void the warranty and you may be held responsible for all claims.
FULL ONE-YEAR WARRANTY

Your Estes rocket powered model car is warranted against defects in materials or workmanship for one year from the date of the original purchase. If this Estes product, because of a manufacturing mistake, malfunctions or proves to be defective within the one-year warranty period, it will be repaired or replaced, at Estes’ option and at no charge to you, provided it is returned to Estes with proof of purchase. This warranty does not cover incidental or consequential damage to persons or property caused by the use, abuse, misuse, failure to comply with operating instructions or improper storage of the warranted products. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. For repair or replacement under this warranty, please return the defective part of your Estes product with proof of purchase to:

Estes Industries, Customer Service Department, 1295 H Street, Penrose, Colorado 81240.

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