

**IRCCF® S10 LIGHT**  
SCALE ROCK CRAWLER R/C COMPETITION  
RULES 2023 V23.3

Effective from Jan 11, 2023 until withdrawal

**1. Preliminary Provisions**

**1.1. IRCCF®**

- 1.1.1. The IRCCF® S10 Light Scale Rock Crawler R/C Competition is sanctioned by the International Radio Controlled Rock Crawler Competitors Federation, hereafter referred to as IRCCF®.
- 1.1.2. IRCCF® and/or any Organisers are entitled to announce the official IRCCF® S10 Light Scale Rock Crawler R/C Competition results.
- 1.1.3. IRCCF® may act at any time during the preparation of the IRCCF® S10 Light Scale Rock Crawler R/C Competition, during the competitions and after the competitions and change anything that IRCCF® believes is against the interest of the sport, including the interpretation of existing rules of the IRCCF® S10 Light Scale Rock Crawler R/C Competition if it is discovered that a rule can be used or interpreted against the sporting spirit of the competition format.
- 1.1.4. Depending on the character and/or the urgency of the matter, IRCCF® will consider the sporting interest before anybody's financial interest, including the Licensee's interest.

**1.2. IRCCF® S10 Light Scale Rock Crawler R/C Competition**

- 1.2.1. IRCCF® S10 Light Scale Rock Crawler R/C Competition is a 1/10 scale rock crawler competition event format aiming to make rock crawling RC and fun available for any groups interested in the hobby.
- 1.2.2. IRCCF® S10 Light Scale Rock Crawler R/C Competition is conducted in accordance with these rules. Periodic rule changes - in special and justified cases - may be initiated by IRCCF® only.

**2. Competition Organisation**

- 2.1. The organisation of any competition events based on the IRCCF® S10 Light Scale Rock Crawler R/C Competition ruleset are allowed to any persons, group of persons or organisations and can be announced as a competition series or single event by the Organiser.
- 2.2. All Drivers having a valid entry are allowed to participate in the overall evaluation of the IRCCF® S10 Light Scale Rock Crawler R/C Competition, regardless of organisational membership and/or nationality.
- 2.3. A given class on a given IRCCF® S10 Light Scale Rock Crawler R/C Competition event can be started with a minimum of 5 valid entries for the class in question.

**3. Competition Vehicle Classes & Requirements**

- 3.1. For participation in IRCCF® S10 Light Scale Rock Crawler R/C Competition events the competitors are obliged to prepare and equip their competition vehicle(s) according to the class(es) they intend to compete in.
- 3.2. The competitor is obliged to provide his competition vehicle(s) for the Technical Approval before the competition starts.
- 3.3. The Organiser of an IRCCF® S10 Light Scale Rock Crawler R/C Competition may decide to limit the number of classes, but only if this limit is included in the initial announcement of the Competition. Otherwise, the Organiser can not refuse the valid entry of any competitors for the given classes.

### **3.4. General Vehicle Requirements**

- 3.4.1. 10.6"/270mm minimum wheelbase
- 3.4.2. Minimum 3 link suspension system per axle
- 3.4.3. L=Wheelbase + 3"/76.5mm | W=5"/127mm | H=4.5"/114mm minimum body dimensions
- 3.4.4. 3.75lbs/1700g minimum RTR (ready-to-run) weight
- 3.4.5. Only electric winch allowed, kinetic tow strap not allowed
- 3.4.6. Shocks and fasteners (nuts, bolts, washers, or spacers) shall not be included in the measurements of the vehicle
- 3.4.7. 1 motor driving both axles
- 3.4.8. No MOA (motor on axle)

### **3.5. Stock Class Vehicle Requirements**

- 3.5.1. Maximum 1.9"/49mm (bead surface) plastic or aluminium production wheels (weights allowed)
- 3.5.2. Maximum 4.75"/121mm (outer diameter) unmodified 1.9"/49mm production tires
- 3.5.3. Unmodified lexan or hard full body with a scale look and complying all other body requirements
- 3.5.4. Wheels must be aligned within the body wheel arches (wheel centres to wheel arch centres +/- 0.5"/12.7mm)
- 3.5.5. Stock chassis
- 3.5.6. Stock transmission
- 3.5.7. Stock axles (weights allowed)
- 3.5.8. Stock servo mount steering - CMS (chassis mounted servo) or AMS (axle mounted servo)
- 3.5.9. Any front bumper (minimum 3.9"/100mm width) inlined or extended beyond the chassis rail front and extended 3mm beyond the body
- 3.5.10. Any electronics
- 3.5.11. Maximum 12% total overdrive
- 3.5.12. No DIG
- 3.5.13. No Rear Steer
- 3.5.14. No Forced Articulation

### **3.6. Scaler Class Vehicle Requirements**

- 3.6.1. Maximum 1.9"/49mm (bead surface) any wheels hiding tire inserts (weights allowed)
- 3.6.2. Maximum 4.19"/106.5mm (outer diameter) unmodified 1.9"/49mm production tires
- 3.6.3. Slightly modified hard full body with a scale look and complying all other body requirements, only wheel arches cut and bed shortening behind the rear wheel arch are allowed
- 3.6.4. Wheels must be aligned within the body wheel arches (wheel centres to wheel arch centres +/- 0.5"/12.7mm)
- 3.6.5. Any metal straight skid chassis rails (minimum length: wheelbase + 2"/50mm)
- 3.6.6. Any transmission
- 3.6.7. Any axles (weights allowed)
- 3.6.8. CMS (chassis mounted servo) steering only

- 3.6.9. Any front bumper (minimum 3.9"/100mm width) inlined or extended beyond the chassis rail front and extended 3mm beyond the body
- 3.6.10. Any electronics
- 3.6.11. Unlimited overdrive
- 3.6.12. No DIG
- 3.6.13. No Rear Steer
- 3.6.14. No Forced Articulation

### **3.7. Performance Class Vehicle Requirements**

- 3.7.1. Maximum 2.2"/56mm (bead surface) any wheels hiding tire inserts (weights allowed)
- 3.7.2. Maximum 4.75"/121mm (outer diameter) 1.9"/49mm or 2.2"/56mm production tires
- 3.7.3. Tire siping, grooving, shaving, lug removal allowed
- 3.7.4. No cut 'n shut tires
- 3.7.5. Modified or unmodified lexan or hard body with a scale look and complying all other body requirements
- 3.7.6. Any flat/LCG chassis rails allowed (minimum length: wheelbase + 2"/50mm)
- 3.7.7. Any transmission
- 3.7.8. Any axles (weights allowed)
- 3.7.9. CMS (chassis mounted servo) or AMS (axle mounted servo) steering
- 3.7.10. Any front bumper (minimum 2.7"/70mm width) inlined or extended beyond the chassis rail front and extended minimum 3mm beyond the body
- 3.7.11. Any electronics
- 3.7.12. Unlimited overdrive
- 3.7.13. No DIG
- 3.7.14. No Rear Steer
- 3.7.15. No Forced Articulation

### **4. Course Design**

- 4.1. 10 Gates per course
- 4.2. 2 Gate Markers per gate
- 4.3. Minimum 12"/304.8mm gate width
- 4.4. 1-8 Courses per event ●
- 4.5. 6-8 minutes course time ●
- 4.6. Time starts with a front tire crossing the start line
- 4.7. Time stops with both rear tires crossing the finish line

### **5. Scoring & Penalties**

- 5.1. Reverse: 1 pt per attempt
- 5.2. Gate Marker: 10 pts per marker
- 5.3. Missed Gate: 10 pts per marker
- 5.4. Course Direction: 10 pts per attempt
- 5.5. Gate Progression: -2 pts per cleared gate

- 5.6. Winching ●: 3 pts per attempt
- 5.7. Vehicle Touch: 10 pts + back to last cleared gate
- 5.8. Course Pre-Run: DNS
- 5.9. Repairs: during on course time + back to last cleared gate if touched
- 5.10. Maximum Penalty Points: -
- 5.11. DNF (Did Not Finish): 100 pts
- 5.12. DNS (Did Not Start): 120 pts
- 5.13. Use of sand ladders or any other recovery accessories not allowed

## **6. Judging**

- 6.1. Minimum 1x Judge per Driver per course
- 6.2. 1x Winch Stick Assistant per course (optional) ●
- 6.3. Official event judging via web form submission or on paper Score Sheet if no internet connection
- 6.4. Non-official event judging on paper Score Sheet

## **7. Classification**

- 7.1. Driver with the lowest total point scores wins the event. In case of tie scores, the lower total course time wins. If still tied, Drivers can proceed to a one-course shootout to define the winner.
- 7.1.1. In case of a competition series the competitors will receive the following scores according to their ranking position (R) and the number of participants (P) on the competition rounds:  
1st place:  $[P-R+3]$  points / 2nd place:  $[P-R+2]$  points / 3rd place:  $[P-R+1]$  points / From 4th place:  $[P-R]$  points  
**Example** - In case of 5 participants the championship points will be the followings:  
1st place:  $5-1+3=7$  points / 2nd place:  $5-2+2=5$  points / 3rd place:  $5-3+1=3$  points / 4th place:  $5-4=1$  point / 5th place:  $5-5=0$  point
- 7.1.2. Driver with the highest total championship point scores wins the series. In case of tie scores, the lower total season time wins. If still tied, Drivers can proceed to a one-course shootout to define the winner.

## **8. Sportsmanship**

- 8.1. Proper sportsmanship is required at IRCCF® S10 Light Scale Rock Crawler R/C Competition. If a person demonstrates unsportsmanlike conduct, they may be penalised upon the Organiser's review of the incident.
- 8.2. Unsportsmanlike conduct includes but is not limited to rude or abrasive actions towards Judges or other Drivers, Teams or Spectators, destroying property, drunken or disrespectful behaviour, use of excessive on course profanity.
- 8.3. Unsportsmanlike conduct may result in a DNS (Did Not Started) for the course in question, and/or DSQ (Disqualified) in the competition. The decision of the Organiser shall be final and may not be protested.

## **9. Licence and Copyright**

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● *Organisers are entitled to decide but the information must be included in the initial announcement of the Competition.*