



WHO Racing Rally-Sprint Proxy Event

January
February
2021

WORTHING HO
Racing

WINTER RALLY SPRINT 2021

Brighton - Worthing - Goring-by-Sea - Barnham

jadlam
Toys & Models

SlotRacer
ONLINE

Socially-Distant Rally-Sprint Racing

After the success of the Summer Series of socially-distant HO proxy drag racing, it's time to add a 1/32 scale option to keep us all going until we are able to return to the Barn.

What is a Rally-Sprint? Although not a full-blown Slot Rally, our event will take place over twelve 'special stages' at different club members' homes. Most stages will be on standard 'tarmac' slot car track - Scalextric Sport, Scalextric/SCX Classic and Ninco - but there will also be a taste of some off-road track and a small winter-themed routed 'super-special' stage. Cars are run one at a time and timed over a set number of laps. Each car's final result is its total time to complete all the stages.

What cars will be used? There are two basic 'production' car classes, one based on the 'old' Scalextric 1997-2007 'modern' World Rally Cars, the other on the recent Scalextric DPR 'Group B' rally and rally cross cars. Build regulations for these two classes are on page 4 and the style will be familiar to WHO/digital racers. The third class uses nationally-agreed Slot Rally regulations used at UK Slot Rally events - Classic, Eighties and Modern cars will run together at our event. These regulations can be found on page 5. Cars from all the classes are eligible for an overall event win and each class will also have its own winner.

How does the proxy format work? Cars are sent to the start venue, are raced, packed up and transported to the next venue. They visit each of the other venues over a period of six weeks, before finally ending up at the original venue to be returned to their owners. Results are published at SlotRacer Online after each stage. There will also be photographs, a brief report - and maybe some video - from every venue. There will be goodies for all competitors and prizes for the winner and class winners. A commemorative 'fanzine' will be produced with full results, reports, photographs and articles.

Rally-Sprint Practicalities:

- One car per class can be entered by each competitor. Family members are very welcome.
- All cars must be posted or delivered to arrive at the start venue before 18 January 2021.
- Postage and return postage are the responsibility of the competitor. There are no extra fees.
- Cars should be packed in a box that will fit in a parcel box - maximum 44 x 35 x 16 cm.

This socially-distant event is designed so that everyone can participate with no risk - even those who are clinically extremely vulnerable to Covid-19.



Class A
Scalextric WRC
1997-2007

The Scalextric Ford Focus or Subaru Impreza are ideal for the World Rally Car class. This is for 'old' Scalextric cars manufactured between 1997 & 2007



Class B

Scalextric DPR 80s Group B

The Audi Quattro and Lancia Delta S4 are two of the recent Group B models from Scalextric



Class C

UK Slot Rally

This Avant Slot Peugeot is just one of hundreds of cars eligible for the UK Slot Rally class



Stages: Winter Rally-Sprint 2021

The event will be held over twelve stages at five different venues - starting and ending in Brighton and meandering through West Sussex. All cars will be presented online at an opening ceremony on Wednesday 20 January.

Brighton Pavilion Ice Rink: The first and last action of the rally-sprint will be short Super Special stages taking place on a custom-made ice racing track. Both will take place in the dark. The 14-foot ice track is full of tight narrow-radius turns and the white PVC foamboard surface with copper tape is very low grip.



The rest of the stages will be on tracks built from 'normal' sectional plastic track, mostly Scalextric Sport, but there will be at least one stage built from Scalextric 'Classic' / SCX track and another using a mix of Ninco tarmac and Ninco off-road pieces. Each car will spend about two minutes racing on each stage.



This is what you need to consider when preparing your cars...

Scalextric Sport: Low grip track surface, with 7mm slot depth and 15.5cm overall track width. As we know from WHO/digital events, the track joins can be a little bumpy, so some clearance between the bottom of the car and the track is important.



SCX / Scalextric Classic: Medium grip track surface, with 5mm slot depth and 15.5cm overall track width. Please check the depth of your cars' guides. The older Scalextric cars will be fine and most of the DPR Group B rally and rally cross cars will be too - Scalextric only started introducing a longer guide about 5 years ago. In addition to standard track pieces, there will be an SCX 'ice effect' chicane and a humpback bridge - so decent ground clearance is essential, especially any front spoiler!



**CAUTION
MUD ON
ROAD**



Ninco tarmac: High grip track surface, with 7mm slot depth and 18cm overall track width. Ninco tarmac track is grippy. The layout will have a mix of radius 1, standard radius 2 and radius 3 curves, plus one cross-over piece.

Ninco off-road: Low grip track with bumps moulded into the surface. It has the usual 7mm slot depth and 18cm overall track width. The bigger Rally-Raid obstacles won't be included, but some ground clearance is necessary.



Elevations: Although no ramp sections will be used, some of the layouts will have elevations and bridges. Again, adequate ground clearance is advised.

In a nutshell: Don't set up your cars too low (at least 3mm ground clearance), make sure the guide is no longer than 5mm, consider fitting lights and choose a good all-round tyre.



Winter Rally-Sprint 2021 Rules for Competitors

1. FORMAT & PRACTICALITIES

- Each competitor may enter one car in each class.
- The event will be held over a specified number of special stages, with each car's time recorded.
- A maximum time of 180 seconds can be spent on a stage. A car outside this time or failing to finish will be awarded a time of 180 seconds.
- Hosts' cars will be awarded the average (median) time when driving on their own stage.
- The final result is the total of the car's stage times.
- The event winner is the car with the lowest total time. Each class will also have its own class winner. Medals and prizes will be awarded.
- All cars must be received at the start venue before Monday 18 January. They may be posted or delivered. Return postage costs will be the responsibility of the competitor.
- Cars will be returned only after all the stages have been completed. They will be kept in parc fermé conditions at all times and cannot be worked on.

2. CLASSES & ELIGIBLE MODELS

- Scalextric 'Production' 1997-2007 World Rally Cars. This is for models produced by Scalextric (Hornby) between 1997-2007 of World Rally Cars that raced at that time: Toyota Corolla, Ford Focus, Ford Escort Cosworth, Renault Maxi Mégane,

Subaru Impreza (all versions), Mitsubishi Lancer, Skoda Fabia and Peugeot 307.

- Scalextric 'Production' Eighties Group B. This is for the recent (DPR era) models of the MG Metro, Peugeot 205 T16, Ford RS200, Audi Quattro, Ferrari 308 GTB, Lancia Stratos, Lancia Delta and Sierra Cosworth. These may be the rally or rally cross versions produced by Scalextric (Hornby).
- UK Slot Rally. This is for any rally car covered in the "Slot Rally Rules & Classes 2020". Classic, Eighties or Modern cars may be entered. The UK Slot Rally class cars must be prepared according to regulations on page 5. Please note: rear axle width, rubber tyres and inline motor orientation.

3. SCALEXTRIC 'PRODUCTION' RULES

- Cars must be Scalextric (Hornby), not Spanish Scalextric/SCX models. If four-wheel-drive was included on the model, it must be operational at the start of the event.
- Chassis: The chassis must be the original for the body being used. No modifications to the motor, axle or guide mountings positions. Minor sanding of the chassis edges and trimming of any tabs is permitted to allow for body roll.
- Body: Bodies, windscreens, window glass and rear wings must be present and unmodified. Mirrors and aerials are optional. Body to chassis mountings must not be lowered in any way. Tabs may be removed to aid body roll. Bodies may be repainted, but should carry at least three racing numbers.

- Interior: Original cockpit must be used and include full driver, navigator (except Group B rally cross versions), roll bar and all detailing parts. It may be repainted. The cockpit may be modified only by having excess material removed from the underside to aid fitment and body roll.
- Motor: the car must be powered by the standard 18,000 rpm Scalextric short can or slim can motor, as fitted. Motors may be glued in place.
- Gears, axles, bearings & wheels: must be the parts original to the car being run or identical Scalextric replacement parts. Components may be glued.
- Guide & braid: Standard Scalextric Quick-Change guide or black short/long stem guide - as fitted on the car. The latest deep guides will need to be trimmed for Classic track. Any braid may be used.
- Electrics: Original wiring arrangements only. Lights are optional, but recommended - some stages will be run at dusk / night time.
- Ballast & Traction Magnets: Traction magnets must be removed. Ballast (e.g. lead sheet) may be added, provided that it is inside the body/chassis and is firmly fixed in place.
- Tyres: Any rubber or urethane tyres are permitted. Front tyres can be coated in super glue or varnish to reduce grip. Tyres may be glued and trued. No tyre additives that leave residue on the tyres or track may be used.

Slotrally Rules and Classes 2020

If you're new to slot rallying and this seems like goobledegook, don't panic, we've all been there. Just ask, we'll explain all and set you on the right track.

SLOTRALLY RULES

General

- G1) Cars must be models of 1:1 rally cars.
- G2) All parts must be commercially available.
- G3) Bodies must be fully detailed and painted hard plastic mouldings.
3D printed bodies are not allowed.
- G4) Cars may be driven by two or four wheel drive.
- G5) Cars must start and finish each Stage with matching body, windows and interior.
- G6) Interior must have two driver figures.
- G7) Interior may be a lightweight alternative.
Any factory fitted interior is legal.
Any replacement interior must be fully painted.
- G8) Minor bodywork trims and details such as mirrors, spotlights and aerials may be omitted.
- G9) No traction magnets allowed.
- G10) Ballast weight may be added but must be inside the car.
- G11) Wheels and tyres must not protrude beyond body.

Chassis, Drop Arms and Motor Pods

- B1) Must be made of moulded or 3D printed plastic.
Metal, lexan and carbon fibre are not allowed.
- B2) May be lightly trimmed.

Motors

- M1) Motors must be of Small Can, Short Can, Long Can, Flat Can, Thin Can or RX construction.
- M2) Motors must not be modified from manufacturer's specification.
- M3) Motors must be mounted in Inline configuration.
- M4) Motor must be fitted into pod as originally intended.
- M5) Motors with excessive magnetraxion are not allowed.
Such motors will be identified by the 'cogging' effect when the drive wheels are turned.
eg Avant 20103, MB Dodo and BRM SuperEVO.

Wheels and Tyres

- W1) All wheels must have appropriate inserts fitted at the start of each Stage.
- W2) All wheels must have tyres and they must be made of black rubber.
Silicone and urethane tyres are not allowed on any Stage.
- W3) Tyres may be trued, glued and coated, but must be dry to the touch at the start of each Stage
- W4) All wheels must be at least 15.8mm diameter, unless the original model is supplied with smaller wheels as standard.

Spares

- S1) All other components, (eg braids, eyelets, guides, wires, pinions, crowns, axles, stoppers, screws, nuts, springs, weights, lubricants, paints and decals) are free choice.

FORMATS, TIMING AND TROPHIES

- F1) Rallies will be held over multiple Stages as supplied by the Rally's organiser.
- F2) Each Stage will be tackled for a given number of laps.
- F3) The cumulative time needed to complete all Stages will be a car's Total Time.
- F4) The maximum time a car can spend on a Stage is 180 seconds.
- F5) The driver whose car has the lowest Total Time will be the winner.
- F6) Each Class will have its own winner.

SLOTRALLY CLASSES

Entrants may race up to three cars, but no more than one car in any class.

Classic Rally

- C1) Any car that rallied pre-1980.
- C2) Maximum axle width **56mm** across rear tyres.
Example Classic Class cars include:
Ninco: Jaguar XK120;
SCX: Ford Escort Mk2; Fiat 131;
Scalextric: Ford Escort Mk1
SRC: Ford Capri
and many more.

Eighties Rally

- E1) Any car that rallied between 1980 and 1989.
- E2) Maximum axle width **60mm** across rear tyres.
Example Eighties Class cars include:
Fly: Porsche 934;
Ninco: Lancia 037;
OSC: Peugeot 205;
SCX: Lancia Delta
and many more.

Modern Rally

- M1) Any car that rallied after 1989.
- M2) Maximum axle width **62mm** across rear tyres.
Example Modern Class cars include:
SCX Ford Fiesta;
MSC Subaru Impreza;
Ninco: Mitsubishi Lancer Evo;
Scaleauto: Peugeot 208.
and many more.

Thanks to Phil Field, Phil Barry & Michael Maloney for use of these rules



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- [Results](#)
- [Reports](#)
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