

# BIKES

## SECTION



[www.BRCA.org](http://www.BRCA.org)

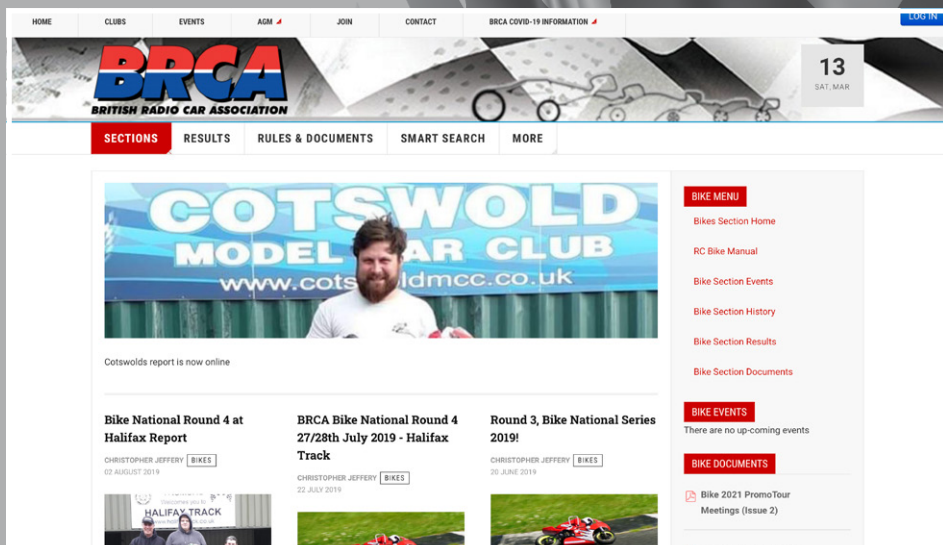
**BRCA**  
BRITISH RADIO CAR ASSOCIATION

2021 HANDBOOK

# BRCA

BRITISH RADIO CAR ASSOCIATION

To keep up to date with what's going on in the world of Radio Control Bikes visit the BRCA main website at [www.brca.org](http://www.brca.org)



The screenshot shows the BRCA website homepage. At the top is a navigation menu with links for HOME, CLUBS, EVENTS, AGM, JOIN, CONTACT, and BRCA COVID-19 INFORMATION. A date widget on the right shows '13 SAT MAR'. Below the navigation is a main banner for the 'COTSWOLD MODEL CAR CLUB' featuring a photo of a man and the website 'www.cotswoldmcc.co.uk'. A sub-header reads 'Cotswolds report is now online'. The main content area has three columns of news items, each with a title, author (CHRISTOPHER JEFFERY), date, and a 'BIKES' tag. The right sidebar contains a 'BIKE MENU' with links to Bikes Section Home, RC Bike Manual, Bikes Section Events, Bikes Section History, Bikes Section Results, and Bikes Section Documents. Below that is a 'BIKE EVENTS' section stating 'There are no up-coming events' and a 'BIKE DOCUMENTS' section with a link to 'Bike 2021 Promo Tour Meetings (Issue 2)'.

HOME CLUBS EVENTS AGM JOIN CONTACT BRCA COVID-19 INFORMATION

13 SAT MAR

SECTIONS RESULTS RULES & DOCUMENTS SMART SEARCH MORE

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**Round 3, Bike National Series 2019!**  
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**BIKE MENU**  
Bikes Section Home  
RC Bike Manual  
Bikes Section Events  
Bikes Section History  
Bikes Section Results  
Bikes Section Documents

**BIKE EVENTS**  
There are no up-coming events

**BIKE DOCUMENTS**  
Bike 2021 Promo Tour Meetings (Issue 2)

# Welcome to your new 2021 Bikes handbook.



We are a relatively small group of RC enthusiasts who in the main have found this form of RC Modelling by accident, much in the same way as you, if you're reading this for the first time.

Traditionally based around the 1/5th Scale On Road Classes, we have evolved over the last decade or so to welcome most forms of on road bikes. Whilst we still focus on 1/5th Scale competition the new 1/8th On Road and Sidecar Classes are finding favour with existing and newcomers as an ideal opportunity to join in and have fun.

Putting the struggles of 2020 behind us, we are planning a revised calendar for 2021 where we will organise Promotour Meetings throughout the UK, in addition to encouraging Club racing outside these dates. By the very nature of our numbers, we try and encourage the Club racing atmosphere at every event we attend.

If you would like to join us at any of the published dates (we even have a bike available for you to use), or would just like some information, no matter how trivial you consider, then just get in touch with any of the contact names listed or just visit BRCA.org, Bike section, or our active Facebook Groups :- "BRCA Bike Section" and "Moto 5"

## Neal Vater

Chairman, BRCA Bike Section



### Chairman

Neal Vater

07546 983138

bikechair@brca.org

### Treasurer

Roy Davies

07792 201011

biketreasurer@brca.org

### PRO Officer

Ross Bartlett

07969 979908

bikepro@brca.org

### Secretary

Martin Woodcock

07787 538713

bikesec@brca.org

### Competition Officer

Alex Wynn

07732 228255

bikecomp@brca.org

## How To Use This Handbook

This booklet must be read in conjunction with the General Rules contained within the BRCA Members Handbook. The General Rules apply to all members and have precedent over sectional rules. It is the responsibility of each member to have read and understood the rules.

The application of the rules works thus:-

The BRCA General Rules apply at all events, including most club racing. Sectional Rules (as in this book) apply at Nationals plus other events, e.g. Regionals, as sanctioned by the section committee. Sectional rules do not apply at clubs unless the clubs wish them too and it is entirely at the discretion of the club.

### Changing a rule

All rules, whether General &/or Sectional, are proposed and voted for by Association members. No-one can simply 'make up' rules. Changes to any of these existing rules can be made by the following process:

- Find another member who agrees with your suggestion to act as your seconder.

Then write/email to one of the following people:-

- Section Rule to be changed - write to the Section Secretary - who will liaise with you to ensure it is voted on at the section conference
- Association General Rule including the Constitution - write to the Association Secretary - who will liaise with you to ensure it is voted upon at the Association Annual General Meeting.

You should endeavour to attend any meeting where a rule change, you have proposed, is taking place. It will be discussed, possibly amended, and you will be asked to elaborate on it.



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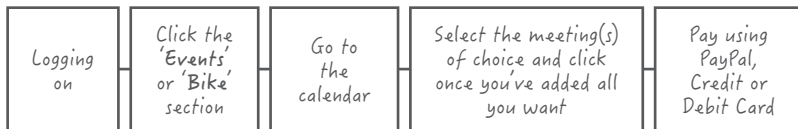
Registered address: BRCA c/o. No 4, The Bungalow, Hopshort, Cheswardine, Shropshire TF9 2NS

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## How To Book In For Promotour

All racers must follow this process when registering for a BRCA Bike Section Promotour meeting

- All entries must be made via the BRCA website
- This can be done by:



- Please make sure you select your primary class
- The cut-off time for entries is at 23.59hrs on the Thursday preceding the event.
- The entry fee is £25 for each meeting regardless of classes entered.
- The Section refund policy is:
  - ✓ Full refund will be given for no shows if notice is given via the BRCA booking-in portal or to a Bike Section Committee Member before 23:59 on Friday preceding the event.
  - ✓ Post cut-off refund is discretionary

## Classes At Promotour Meetings For The Bike Section



## Scrutineering

Scrutineering has been suspended for the Promotour. To allow newcomers to run what they have. It is expected that experienced racers will comply with the rules for the class they are racing.

LiPo batteries and motors from the Electric Board lists shall be used for safety reasons. Battery voltage may be spot checked at any time during the meeting. Use of brushed motors is allowed

## Health & Safety

A Risk Assessment will be completed prior to the start of each meeting and sent to the Vice- Chairman of the BRCA.

All members MUST use a LiPo sack during charging of lithium based batteries and all must comply with the BRCA general rules.

All Marshalls must be on their marshal point, wearing a Hi-Viz jacket, before the start of the Heat/Final. Any member not able to marshal must provide a suitable replacement to cover their point. The race director has the full responsibility for the running of the meeting and all activity at the track.



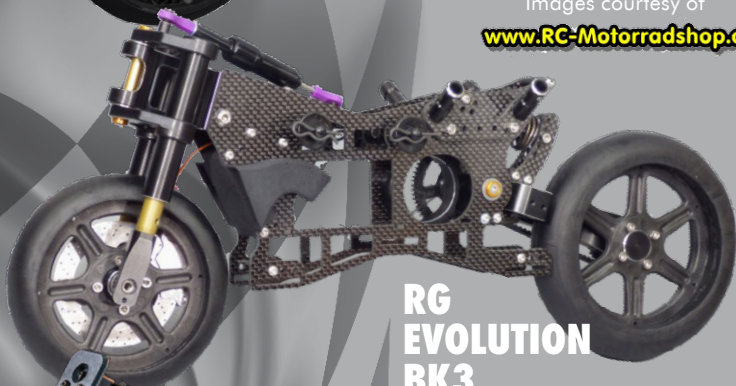
# 5th ELECTRIC BIKES



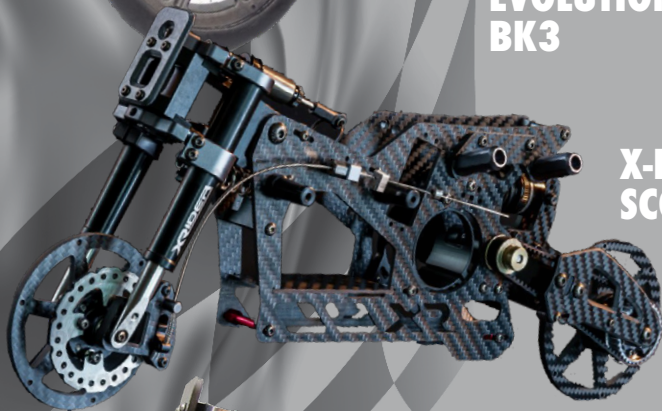
**LIGHTSCALE  
ONE**

Images courtesy of

[www.RC-Motorradshop.de](http://www.RC-Motorradshop.de)



**RG  
EVOLUTION  
BK3**








**X-RIDER  
SCORPIO**



**ZH 418**

*The BRCA Bike Promotour is to promote RC Bike racing and encourage new racers.*

*Promotour events are open to all, from entry level to experienced racers.*

APRIL		
24th - 25th	Promotour Event 1	Cotswold 
MAY		
22nd - 23rd	Promotour Event 2	Mendip 
JUNE		
12th - 13th	Promotour Event 3	Halifax 
JULY		
10th - 11th	Promotour Event 4	Crystal Palace 
AUGUST		
21st - 22nd	Promotour Event 5	Mendip 
SEPTEMBER		
4th - 5th	Promotour Event 6	Crystal Palace 
OCTOBER		
2nd - 3rd	Des Chand GP	Cotswold 

Events will take place at selected Clubs in the UK.

**Saturday:** Open practico to work on your setup or develop your skills. Help with your bike if you're having trouble.

**Sunday:** Qualifying heats and finals. Each meeting is separate with trophies. See Promotour rules for details.

**NOTE:**

To date (1st. Jan.); we do not know when current travel restrictions due to Covid-19 will be eased to allow a calendar to be finalised. Above are giving intended dates that can be used, although it is possible that early events may not be allowed to take place. The Section will make 'final' decisions of what can be achieved early March or at the earliest opportunity in line with government guidelines. Reserve date(s), if quoted, would only be used in the unlikely event of a rescheduled meeting being required.

For up to date information, see the website: [www.brca.org](http://www.brca.org)

## Address

Cotswold Model Car Club  
Hanger/Woodside  
Haresdown Hill  
Kemble Cotswold Airport  
Cirencester  
GL7 6BA



## Website

[cotswoldmcc.co.uk](http://cotswoldmcc.co.uk)

## Contact

[secretary.cotswoldmcc@gmail.com](mailto:secretary.cotswoldmcc@gmail.com)



## Pitting

Fully covered pitting area with benches, tables and mains electric. Compressor in pitting area. The rostrum is covered.

## Camping

Must be pre-booked with club on their website. Available Saturday night £5 tent, £10 caravan.

## Catering

There are facilities trackside. Hot and cold food and drink are also served at the onsite AV8 restaurant.







## Address

Mendip RC Raceway  
Accommodation Road  
Bleadon  
Weston-super-Mare  
North Somerset  
BS24 0AP

## Website

[mendiprcraceway.co.uk](http://mendiprcraceway.co.uk)



## Contact

[info@mendiprcraceway.co.uk](mailto:info@mendiprcraceway.co.uk)



## Pitting

Undercover pit benches available.  
Compressed air available. Ladies and gents toilets available.



## Camping

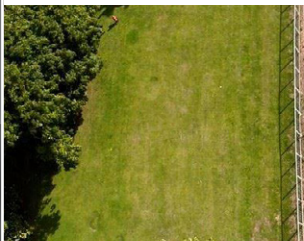
Must be pre-booked through club's website.

## Catering

On site cafe serving hot and cold drinks and hot food is normally available.

## Address

Crystal Palace Car Club  
National Sports Arena  
27 Ledmington Road  
London  
SE19 2BB



## Website

Visit us on Facebook



## Contact

crystalpalacecarclub@yahoo.co.uk  
0754 576452





## Address

Yorkshire Radio Control  
Model Car Racing Club  
Halifax Track  
Stainland Road  
Halifax  
West Yorkshire  
HX4 8LS

## Website

[halifaxtrack.co.uk](http://halifaxtrack.co.uk)



## Contact

John Russell  
07762 092512 • [john.russell@brca.org](mailto:john.russell@brca.org)

## Pitting

Fully covered pitting area with benches, tables and mains electric. Compressor in pitting area. Site open from 14:00 Friday but track closed. Toilet block with separate gents, ladies and disabled toilets.



## Camping

Available through the club.  
Available Friday and Saturday  
night, £7.50 per night.

## Catering

Cafe on site hot and cold drinks  
and hot & cold food available.

# Precious Washers

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# PROMOTOUR RULES



**BRCA**  
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# 1. INTRODUCTION

## 1.1. The Event is being organised to create a racing calendar of fun competition racing at locations around the UK. The ethos being to encourage the membership of the BRCA Bike Section to grow whilst evaluating the existing BRCA National Rules and classes.

- 1.1.1. All are welcome, whether they have competition experience or not.
- 1.1.2. No Newbie\* (see note below) will be turned away from the meetings due to a conflict with the Construction Rules.
- 1.1.3. Each Event will have Trophies for top three in each Class.

## 1.2. Common Sense

- 1.2.1. The Committee have the scope to apply common sense to the Rules and will amend accordingly for introduction at the first opportunity or immediately if appropriate, i.e., safety grounds.

## 1.3. Race Weekend

- 1.3.1. Saturday - Practice normally 12 noon till 5pm
- 1.3.2. Sunday - Race day 9am till 5pm

## 1.4. Calendar

- 1.4.1. The Events will normally be between the months of March and September at Clubs and Locations around the UK, dates and locations to be released early in the New Year.

- 1.4.2. In addition we will continue to run the Cotswold GP and make every effort to accommodate the dates for the Ulster TT and the Bike World Champions within the Calendar.

## 1.5. Entry System & Cost

- 1.5.1. Entry cost is £25 per weekend.
- 1.5.2. Preregistration entry is required but cashless payment will be allowed up to closing time/date.
- 1.5.3. Up to two separate classes may be entered.

## 1.6. Race Format

- 1.6.1. Qualifying Heats will be 4 x 8 minute - Rolling start
  - 1.6.1.1. Heats numbers to be confirmed by Race Control
- 1.6.2. Finals will be 2 x 10 minutes - Start line launch
  - 1.6.2.1. Finals position will be based on best Three Consecutive Laps during Qualifying.
  - 1.6.2.2. Finals to be no greater than 8 or lower than 5 to ensure minimum of 5 marshals.\*\*\*
- 1.6.3. All drivers to Marshal the Heat or Final following their run.
- 1.6.4. 1/8th Class and Sidecar Marshals as note below.\*\*

## 1.7. Classes Raced

- 1.7.1. 1/8th Open Class
- 1.7.2. 1/5th Superbike
- 1.7.3. 1/5th SuperStock
- 1.7.4. 1/5th Nitro Bike (where Clubs allow)
- 1.7.5. 1/8th Sidecar



## 2.1. Classes

- 2.1.1. 1/8th Electric
  - 2.1.1.1. Open motor
  - 2.1.1.2. Open speed control
  - 2.1.1.3. Mechanical Brake allowed
  - 2.1.1.4. 2S Hard case lipo
- 2.1.2. 1/5th Electric Superstock
  - 2.1.2.1. 13.5t minimum motor wind or above from EB List
  - 2.1.2.2. Speed Control zero timing indicated by a flashing LED.
  - 2.1.2.3. No mechanical brake
  - 2.1.2.4. 2S Lipo from EB List
- 2.1.3. 1/5th Electric Superbike
  - 2.1.3.1. Modified motor
  - 2.1.3.2. 2S Lipo from EB List
  - 2.1.3.3. Open Brakes
- 2.1.4. 1/5th Nitro Superbike
  - 2.1.4.1. No limits
- 2.1.5. Sidecars
  - 2.1.5.1. 17.5t Brushless motors from EB List or Silver Can Motor
  - 2.1.5.2. Nitro power source is open.
  - 2.1.5.3. Sidecar chassis must fit within the shell.
  - 2.1.5.4. Single rear wheel drive, single front wheel steering.
  - 2.1.5.5. 2S Lipo from EB List or 6 Cell NiM
  - 2.1.5.6. The centre of the front tyre can have a maximum offset of 25mm from centre line of the rear tyre
  - 2.1.5.7. Sidecar wheel can be positioned freely but wheel centre must be in front of the driven wheel centre. Sidecar wheel steering by radio control is not permitted.



## 2.2. Appearance

- 2.2.1. Should be realistic and scale in appearance, neatly finished, and complete with bodywork and rider, all of which should be painted.

## 2.3. Tyres

- 2.3.1. Any solo bike tyre specifically designed for bike use.
- 2.3.2. Tyres must be black, sidewall details may be a contrasting colour.
- 2.3.3. All Sidecar tyres can be foam or rubber, typically 1/10th or 1/8th origin.

## 2.4. Additive

- 2.4.1. Non slimy and odourless tyre additive to be allowed, but only at circuits that allow it.

## 2.5. Brakes

- 2.5.1. Brakes can be either disc or drum

## 2.6. Exhaust / Induction Noise

- 2.6.1. The complete exhaust system should be contained within the confines of the body work and fitted in such a way as to minimise the risk of injury to marshals.
- 2.6.2. If any part of the exhaust / silencer system fails or becomes detached during a race the rider has to return to the pits immediately to have the problem rectified.

## Class Dimensions

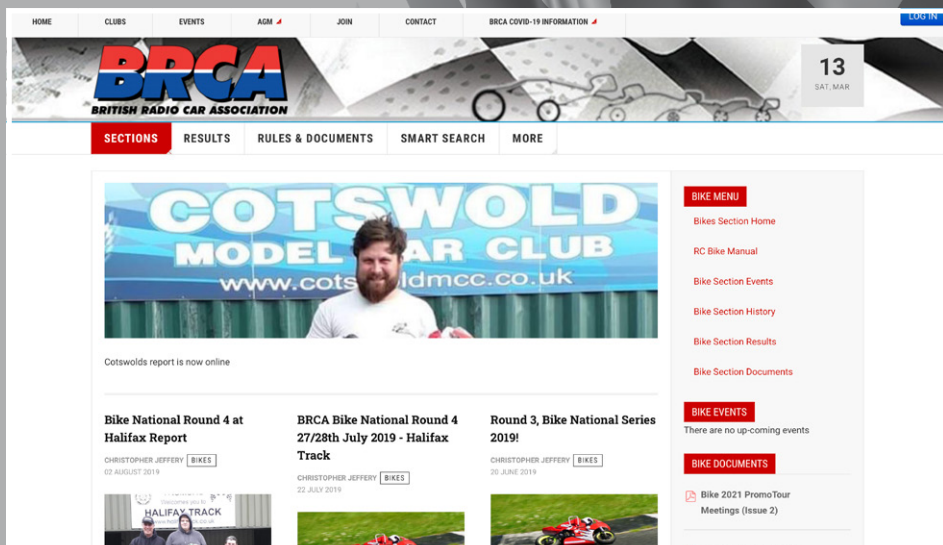
1/5th On Road Dimensions	Max	Min	Dims. in mm
Wheelbase	320	280	
Rear Wheel Rim Dia	95	80	
Front Wheel Rim Dia	95	80	
Tyre Width	35		
Overall height	300	225	Incl. Rider
Weight		Unlimited	

Sidecar Dimensions	Max	Min	Dims. in mm
Length		435	
Width		220	
Heights		120	
Rear Wheel Dia	63	38	Wheels (must fit within shell)
Front Wheel Dia	63	38	
Sidecar Wheel	63	38	
All Tyre Width	45		
Weight		Unlimited	

# BRCA

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**BIKE EVENTS**  
There are no up-coming events

**BIKE DOCUMENTS**  
Bike 2021 Promo Tour Meetings (Issue 2)



- 3.1. BRCA membership is required and shown at race control if requested.
- 3.2. BRCA General Rules Apply
- 3.3. If in doubt about anything "Meeting" related then just ask!
- 3.4. Smoking or Vaping is only allowed in designated areas and not in the pits.
- 3.5. Drivers Briefing & Safety
  - 3.5.1. A drivers briefings will be held on Race Day and will include but not limited to:
    - 3.5.1.1. Lipo safety in accordance with BRCA General Rules.
    - 3.5.1.2. Always follow local signage and or instructions.
    - 3.5.1.3. Awareness of local fire safety instructions.
- 3.6. Driving Standard & Personal Conduct
  - 3.6.1. We must encourage fair and competitive racing but sometimes, even as Adults, we get annoyed with ourselves and others but it is not acceptable to;
    - 3.6.1.1. Cause a nuisance or use abusive language to another competitor or visitor.
    - 3.6.1.2. Intentionally hinder another competitor during qualifying; always allow the quicker driver to pass at the first available location and time.
    - 3.6.1.3. Intentionally cause another competitor to leave the circuit or run into the slower driver.
    - 3.6.1.4. Acting in a way that may cause injury to another competitor or damage to another competitors equipment.

### Definition Notes

- \* "Newbie" defined as a person who has not raced within the BRCA Bike Section after 2016
- \*\* As 1/8th Class and Sidecar Class participants are likely to include 2nd Class entries from 1/5th Class entrants, we will plan for the Class to marshal itself for both heats and finals, ie., Final B marshal Final A and vice versa, If numbers aren't sufficient we will request volunteer marshals. This is to ensure adequate marshals are present for both Classes.
- \*\*\* Heat & Final Numbers

Attendees	Computer setting per Final		
	6	7	8
<10 / 2	=	=	=
11	6+5		
12	6+6		
13		7+6	
14		7+7	
15			8+7
16			8+8
17	6+6+5		
18	6+6+6		
19		7+7+5	
20		7+7+6	
21		7+7+7	
22			8+8+6





# RACE NUMBERS

WE HAVE REFRESHED OUR RANGE  
OF RACE NUMBERS FOR 2021

**50mm**  
BLACK NUMBERS  
ON WHITE

#1-10  
**£30**

ROLLS OF 100 = 1000 NUMBERS

#1-6  
**£20**

ROLLS OF 100 = 600 NUMBERS

**NEW**  
**65mm**  
BLACK NUMBERS  
ON YELLOW

#1-14  
**£45**

ROLLS OF 100 = 1400 NUMBERS

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