

Let's Race at



The Mardave Mini Class

This is an introduction to starting to race in the Mardave Mini class at our Hednesford Indoor Raceway. This will show the basics that you should need and some of the extras you can get you progress. We have also added some prices as a guide So, let's get started. Firstly, we would strongly recommend you pop along to the club and have a chat with us. We have some good basic rules for this class that can be found here: <http://bit.ly/3GBZrrl> Please read them.

However, you will need the following basic parts:

- ✚ Mardave Mini kit*
- ✚ Radio Control Set
- ✚ A servo for the steering
- ✚ Batteries (for the car and the Radio)
- ✚ Charger for the car batteries
- ✚ The motor for the car*
- ✚ ESC (Electronic Speed Controller) *
- ✚ Mini Body*
- ✚ Wheels and tyres*
- ✚ Some paint for the body
- ✚ Transponder (this is the clever bit that counts your laps)
- ✚ Pitting table cover (To stop the school tables from getting dirty)
- ✚ Membership of the BRCA (for 3rd Party Insurance)
- ✚ Hednesford Indoor Raceway Club Membership (Optional see below)

[Wow for starting that's a fair list already, so let's see what's what!](#)

The Car Kit:

Well the good news is that unlike some of the other classes Mardave puts lots of bits in their kits. We would recommend that you start with the Mardave Mini Kit (Part No. ASMGRs Mini Assassin Racer S HR3-X) This we like to call "*The Hednesford Edition*" as it comes with a lot of the bits in the list above, in fact all the items marked with a *.

Therefore, when you get your kit you will have the main kit, the motor, the Mini body, a set of wheels with tyres fitted, and the ESC (this is the HR3 one that allows you to program it without reverse as we don't allow reverse at the Hednesford raceway as it causes too many crashes). So, we already have a great starting point, all for around £150.00 plus carriage from Mardave.

Radio Control Set

Next you will need your Radio Control set. There are two main types, you can either have a set with sticks (an up and down one for speed and a left & right for steering) or a wheel type (a wheel for steering and a trigger for speed) the choice really is yours, it's a great idea to pop along to the club and have a look and a chat to us to help you decide). Prices are vast and varied these can run from under £40.00 to over £1000.00! Whilst we would not suggest you splash out a £1000 for a set, it's a good idea to get a good set as this would see you through your racing regardless of the classes you run. We would strongly recommend you come and talk to people at the club.

Steering Servo:

You will also require a servo for the steering on your car. In this class there are a few restrictions on the servos you are allowed to run, we would recommend the Futaba S-U300 as it's a great servo and one of the servos on our permitted list that removes the need to fit a power capacitor. A power capacitor is to fill the void in voltage as the ESC is switching the motor on and off. RC Cars that pull a lot of power and are pushed very hard for short duration of time, this with some servos can lead to the radio locking up as some servos can too much out of the available power and tip the voltage to the receiver too low.

Batteries:

You will need a set of batteries for you Radio Set (just for the transmitter) these will depend on the make and model you get.

Batteries for the car are 4 cell NiMH (this stands for Nickel-Metal Hydride) these are rechargeable, they must have a maximum Capacity of 5000mah and can cost between £13 and £25 depending on capacity and make). We would recommend that you consider buying 2 sets for an evening's racing as you can race with one set whilst the other set is on charge

Charger:

you will need a charger for your car batteries, these come on many types and costs from around £40.00 to £400.00! again come and have a chat at the club.

Paint:

You will want to make your car look nice, so you will need some paint, this must be the correct paint, or it will just fall off! It must be paint for Polycarbonate bodies, colours ranges are vast and that we must leave up to you but make it nice and bright so you can see it on the track!

Transponder:

As mentioned above, this is the clever little unit that in conjunction with our timekeeping equipment, counts how many laps you have done. Eventually, it is a good idea to buy your own transponder, we usually have them for sale at the club. However, you can use one of the club's loan ones until you get your own. (All we ask is that you look after it and either leave your car keys or a refundable deposit as you must return it at the end of the evening).

Pitting Table Cover:

The school kindly allow us to use their tables and chairs. In return it is our duty to keep them clean, Racers are allocated two table each 600mmSq so you will need a protective cover approximately 600 X 1200mm. This needs to have a sealed surface, a towel will not keep a table clean if you spill anything such as oil or tyre additive. The school do not like their tables leaving dirty!

BRCA Membership

We are affiliated to the BRCA (British Radio Car Association), the BRCA is UK's governing body for our sport, and you will need to become a member to race with us (Although you can race with us up to 3 times prior to becoming a member) Being a member of the BRCA give you peace of mind as it comes with 3rd party insurance up to £10,000,000 cover! To join follow this link: <https://www.brca.org/join> For 2023 the membership is £25.00 for adults, £15.00 for juniors (16 and under)

Hednesford Indoor Raceway Club Membership:

This is not something you have to join. However, by joining you can benefit from reduced race fees, these fees per evening are £10.50 for non-members and £9.00 for members, there is also a junior race fee of £5.00, you can score points in our club leagues, and help support your club and in return that supports your sport. The club Membership fees for 2023 are:

Membership Senior:

Hednesford Indoor Raceway £20.00

Stafford Outdoor Raceway £20.00

Full Member (Both Venues) £30.00

Membership Junior:

Hednesford Indoor Raceway £15.00

Stafford Outdoor Raceway £15.00

Full Member (Both Venues) £20.00



Membership forms and other useful information is available on our website:

<https://www.staffordrcmcc.co.uk>

As mentioned above, please feel free to come and have a chat at the club on a Thursday evening, see the cars and talk to others about starting racing in our Mardave Mini class or email: mike@mjdennison.co.uk if you need more information.