

## Wireless Results at the RACV Energy Breakthrough

Get live race results on your Windows wireless laptop at the RACV Energy Breakthrough.

Teams can access live race data on-site thanks to a wireless network and a neat piece of software called '**Race Monitor**'.

This software is easy to install and provides race standings as vehicles cross the line. Like all things tech, they're brilliant when they work ... but they aren't bullet proof like Kevlar.

We've put together as much as we can tell you about getting Race Results by wireless at this year's event.



### What does the Race Monitor Software look like?

Pos	Car	Name	Class	Add data	Laps	Last Laptime	Diff
1	90	Optimus Prime	Open	St Patricks College	612	1:56.364	>> 612 <<
2	78	Firestorm	Open	Berwick Secondary Co	607	2:17.649	>> 607 <<
3	10	Reloaded	HPV B	Weeroona College Ben	596	2:13.375	>> 596 <<
4	34	2 Fat	HPV B	The Peninsula School	596	2:51.607	1:18.079
5	67	Flametz	HPV C	Aberfoyle Park High	567	2:05.556	>> 567 <<
6	72	Run a Muk	Open	Maryborough Regional	563	2:21.303	>> 563 <<
7	86	Team Taurus	Open	Gleeson College	561	2:29.881	>> 561 <<
8	71	T-Bone	Open	Bendigo Snr Secondar	552	2:39.720	>> 552 <<
9	19	Serendipity	HPV B	Highview College	550	2:45.189	>> 550 <<
10	50	PortAHouse	HPV C	Bendigo Senior Seco	547	2:11.531	>> 547 <<
11	89	The Weapon	Open	Ballarat & Clarendon	541	2:23.127	>> 541 <<
12	92	Firebird	Open	Berwick Secondary Co	535	2:11.658	>> 535 <<
13	29	Scorpio Evolution	HPV B	Gleeson College	524	2:21.759	>> 524 <<
14	68	Phoenix	HPV C	Mt Eliza Secondary C	523	2:40.378	>> 523 <<
15	65	Seonior Wizard	HPV C	Wonthaggi Secondary	518	2:11.936	>> 518 <<
16	43	Blazing Sor Hubcaps	HPV B	Aberfoyle Hub School	516	2:20.416	>> 516 <<

### The software allows you to view any vehicle's:

- overall race position,
- laps completed,
- last lap time,
- fastest lap time and lap which it was clocked on,
- plus many other fun features that might keep you awake overnight!

### Getting it going in 6 easy steps:

- 1/ Download the [Race Monitor Software](#) from the RACV Energy Breakthrough website: Go to: <http://www.racvenergybreakthrough.net> > Results > On-Site Wireless Results
- 2/ Install the Race Monitor Software on your computer
- 3/ Connect to one of our two Wireless Networks
- 4/ Open the Race Monitor Software
- 5/ Put in the IP address in the right place
- 6/ Open a Results Window

### Step 1/ Download the Race Monitor Software (728 kb)

Note: This is the same software we've used for the last 5 years, so if you're back again, there's no need to reinstall or re-download.

### 2/ Install the Race Monitor Software

Notes: This software typically installs in the C drive: Program Files folder which makes it easier to delete after the event and less likely to affect other programs running on your machine.

You may install this software to any location you wish.

The software does NOT install files to any other location other than the one you select.

Having issues? See [Trap for young players #2](#)

### 3/ Connect to one of our two Wireless Networks

There'll be two networks running – one for the Holden Track and one for the RACV Track.

The networks will be pretty easy to find if you're in pit lane and called something obvious like: 'Energy1' or 'Energy2'.

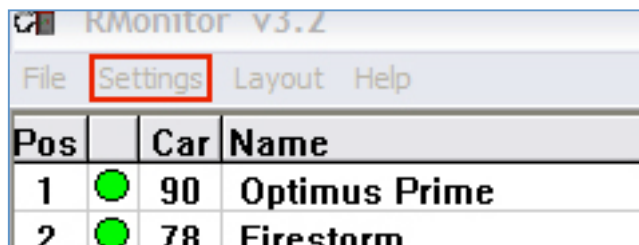
Make sure you've selected 'Automatically Assign IP Address' in your Network Connection

settings and you're on your way. *Having issues?* See [Trap for young players #1](#)

#### 4/ Open the Race Monitor Software

#### 5/ Put in the IP address in the right place

- Go to the 'Settings Menu'
- Select 'Communication'
- Select the 'TCP/IP' button
- Enter the relevant IP Address here:  
192.168.0.2 (RACV Track) or  
192.168.1.2 (Holden Track)  
Port: 50000

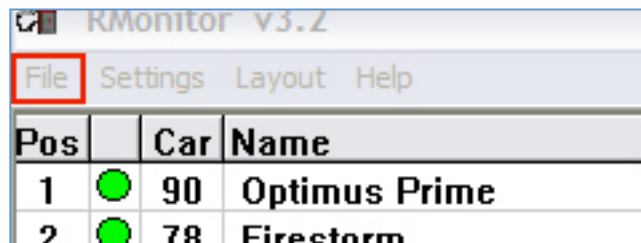


The screenshot shows the RMonitor v3.2 application window. The 'Settings' menu item is highlighted with a red box. Below the menu bar is a table with the following data:

Pos		Car	Name
1	●	90	Optimus Prime
2	●	78	Firestorm

#### 6/ Open a Results Window

- Go to the File Menu
- Select 'New Result Window'
- Select 'Practice Results'
- Choose the different data you want to see



The screenshot shows the RMonitor v3.2 application window. The 'File' menu item is highlighted with a red box. Below the menu bar is a table with the following data:

Pos		Car	Name
1	●	90	Optimus Prime
2	●	78	Firestorm

This *should* be sufficient information to get you up and running. If you have any major dramas, see a Multisport Australia timing official.

### Traps for young players:

*Trap No. 1: "I put the IP address in the wrong place."*

When you're connecting to the network, you should select 'Automatically Assign IP Address' in your Network Connection settings.

The IP address we give you is for use in the Race Monitor software ONLY, as show above in the '[Getting It Going](#)' section

*Trap No. 2: "My school's IT Administrators have locked my laptop and won't let me connect to a wireless network or install any new software."*

If this is the case, there's not much we can do for you – please check this out with the relevant computer-guy or gal at your school before you come.

Note: Our on-site wireless network doesn't connect you to the world wide web – it's actually just set up for this results network, sorry!

### Within the Race Monitor Software, what do all the dots and arrows mean?

When you open a new 'Race window', there a whole host of information you can choose to view. If you choose 'Marker' you'll see some of the following:

- **Green Circle:** These simply indicate that the vehicle has crossed the line recently.
- **Green arrow:** These are good – you've passed the team ahead of you on the road.
- **Grey Square:** According to the team's average lap time, they haven't crossed the line when we would've expected them. No worries... they might be in the pits or just taking their time to come round. (Pretty smart, huh?)
- **Black Square:** Uh oh ... the vehicle hasn't been seen for a long time now (approx 6 mins +). It might be in the pits or on the back of the RACV Recovery Vehicle.

### Tech Specs:

- IBM compatible, Pentium 133Mhz
- Wireless networking capability
- Windows 95/98/NT/2000/XP/Vista
- 16Mb RAM & 5Mb hard drive space
- [Race Monitor Software](#) (728 kb) Note: This software will be available at the event from the Administration centre.

### Not sure about something?

- Prior to the event, contact Nigel Preston, Wireless Co-ordinator and Online Manager. E: [online@racvenergybreakthrough.net](mailto:online@racvenergybreakthrough.net) | M: 0412 692 468
- During the event, see a Multisport Australia timing official or Wireless Volunteer. They will be roaming on-site or available from the Timing Centres on each track.