

Walkerville All Cars Club



Event Timing Hire

Complete Event Timing Solutions Supplied by Walkerville All Cars Club

For further information please contact Tamara Brice

Product Overview

Walkerville All Cars Club (WACC), provides timing support to organisations running motorsport events throughout South Australia and interstate. We supply a fully self contained solution where our team can provide a complete timing solution for your event.



Program Goals

The goal of the Hire Program is to cover the expense of maintaining and upgrading the timing equipment so that we can continue to offer state of the art timing solutions with the proceeds from the hire charges being reinvested into the timing equipment.

Dry Hire

WACC will not dry hire our equipment under any circumstances. We will only hire our equipment if WACC members are on site to set up and run the equipment.

Equipment

Through the use of funds raised by the Hire program, WACC maintains and improves the timing system with regular updates. Most recently, this was through the purchase of Live Timing Display Software, allowing for results to be displayed live as soon as cars finish on various forms of HDMI or DisplayPort devices. (Display not included in hire price).

The Current Equipment included in the Hire Program as of May 2023 is as follows:

- Six FIA Homologated Wireless Timing Beams with tripods which can be used as:
Start, Finish, Split or Speed Traps
- Two Wireless Receivers (for redundancy)
- Four Timing PC's and associated equipment such as:
Network Equipment, Monitors and I/O Devices
- Fully Licenced - FIA Homologated Timing Software
- Fully Licenced - FIA Homologated Live Display Software (Display device not included)
- Red / Orange / Green Start Light

Both the timing software and hardware are Homologated for use by the FIA (Federation Internationale de l'Automobile) , FEI (Fédération Equestre Internationale), FIS (International Ski and Snowboard Federation) and IAAF (International Association of Athletics Federations)

The WACC system is not a custom made system, made by someone locally; it makes use of internationally homologated parts and software specifically designed to work together to provide a complete system that is reliable and also accurate up-to three decimal places.

In addition to using international specification equipment, WACC also runs multiple redundant systems, so that, should an unexpected issue occur, we have backups in place to minimise the need for re-runs and allow the event to continue without stoppages even if there is an issue with primary timing. WACC believes in running multiple redundancies so that we can supply a professional and reliable service when you hire our equipment. This is one of several reasons we will not dry hire our equipment.

Configurations

We can set up equipment up in many configurations, the below information can be used as examples of options that you could have at your event:

Example 1 - Most Common Hire Config

Start Beam / Intermediate Beam / Dual Finish Beam for Redundancy (Four Beams Total)

Example 2 - Used at WACC Club Events

Staging Beam / Start Beam / Finish Beam (Three Beams Total)

The Staging Beam is used in conjunction with our Start light. When The car pulls up to the start line, the staging beam is triggered when they are in the correct position. Once triggered the orange light on the Start Light illuminates so the driver knows they are in the correct location.

Example 3 - Speed Trap

Start / Intermediate Split / Speed at Intermediate / Dual Finish Beams (Six Beams Total)

The Speed trap is placed at the same location as the Intermediate allowing for both a Intermediate time and speed to be captured, the speedtrap required two beams approximately 1 m apart to calculate the speed.

Example 4 - Multiple Intermediates

Start / Intermediate Beam 1 / Intermediate Beam 2 / Dual Finish Beams (Five Beams Total)

The above examples are exactly that; it is strongly suggested to contact the timing system operators to confirm your exact goals and how best to implement the system.

When running timing over a long distance, or in situations where the is not line of sight is not possible a 4G wireless transmission backup may also be required. In these situations dual beams are required at the finish which is why most examples use dual beam finishes.

When using the internal transmitter on the beams themselves, dual beams at the finish is not required but still highly recommended as it will add an extra layer of redundancy to the system that helps prevent the risk of re-runs.

Requirements

Based on the significant experience our team has running the system the following requirements are conditional on supplying the system:

- **Entry information:**

The following list may seem like a lot of unnecessary information, but the system can output this information to the team running the software. This information helps identify class issues and vehicle changes early and helps prevent mistakes in the results. For Example if someone is listed as driving a 1979 Corolla it's unlikely it will be in the 4WD Turbo Category for example. As such this significantly reduces human error and helps the team cross check and pick out anything that might need to be confirmed or corrected prior to the event starting:

- Driver Number
- Driver Name
- Driver Gender
- Junior or Adult
- Vehicle Class
- Vehicle Capacity
- Vehicle Make
- Vehicle Model
- Vehicle Year

- **Parking, Venue Access and Work location:**

- Due to the amount of equipment that is required, such as PC's Monitors, Networking Gear, the team requires parking near the location that timing will take place and a dry secure location where the IT equipment can be set up the day before the event.
- The timing location also needs a view of the start line so that the team can visually see the vehicle numbers of the cars
- The timing location needs reliable consistent power, if the power fails your event will have to be stopped while the equipment is rebooted. ***(An optional UPS is available for hire at an additional fee of \$100 per day on top of the standard hire charge.)***
- If your event is ticketed the timing team will require access passes for the full length of your event, this allows the team to access the timing area as required.

- **Officials Recognition:**

- The timing team are to be listed in the supplementary regulations, so that they can supply your supplementary regulations to Motorsport Australia as evidence when applying for upgrades to their Officials Timing licences.

- **Car Starting Procedure:**

- It is a requirement that our team have control over when vehicles are started on the course once the track is "Green". Our team will work with your CoC, and your Event Team to ensure that any track and event requirements are met before starting any vehicles, and the team is very experienced with running events and in the case of incidents will hold cars as needed.
- Once the track is "green" and you are ready for competition to start, or for competition to resume after a holdup or incident. Our officials need to be the ones releasing the cars. Our timing officials can run a course at any interval greater than 30 seconds. They have no issues launching cars at tight intervals if required by your event and having our team in control of the starting lights or timer significantly lowers the error rate and re-runs overall saving your event time.
- The workload in timing is quite high, and it is easy for the team to miss a starting cars number if they are interrupted by an event official with a question, or if they are putting in a finish trigger right at the moment a car is released, having our team release the cars prevents missed numbers and re-runs caused by that and also this also lowers the stress levels of the timing team and this prevents burnout throughout the day, which can also lead to mistakes in the afternoon.

- **Accommodation:**

- If your event is not in Metro Adelaide and is a Multi Day event, we require accommodation to be provided for our team. WACC has a duty of care to its officials and long days driving to and from events. Charging and resetting equipment each night puts our officials at risk of accidents and also impacts their ability to perform their role.

Hire Costs

Walkerville All Cars Club charges a single flat rate per day for the supply and use of our equipment.

Hire of the WACC Timing System is \$250.00 per day

This includes all features and equipment listed on Page 2, including WACC supplying the physical timing equipment, Timing Software, Live Display Software, and officials to run the timing.

Additional Options:

The UPS can be hired for an additional \$100 per Day

Wireless Relay: One off payment of \$750 - Then included for future events.

- The wireless relay allows for communication over hills, through trees and greater distances where line of sight cannot be guaranteed. This requires special hardware and licensing but can be particularly useful in situations where the internal radios in the photocells do not have enough power to punch through terrain or interference.
- This can be hired for a one off \$750 fee to cover the fees and any special hardware required for your location and then will be included in all future hires for your organisation.

In the case where an event is supplying equipment to assist with the timing, such as additional Timing Receivers, Antennas and Antenna Cabling; a custom rate may be negotiated at the discretion of Walkerville All Cars Club.

Additional Photocells - If your event needs more than six photocells please contact WACC directly and we can discuss options where we can provide that solution for an additional charge.

Bond and Excessive Damage:

Due to the value of the equipment, WACC requires a \$500 Bond to cover any minor damage caused at your event.

When paying the \$500 Bond and Hiring from WACC you are also accepting that should damage Exceed \$500 any additional costs will be covered by your event.

WACC recommends passing the expense of replacing a beam onto the competitor should a beam be damaged irreparably by a competitor. We recommend warning all drivers that should they run over a beam the driver will be liable for the expense ahead of time.