

## RMS COMPETITOR SAFETY TRACKING SYSTEM MANUAL

### Introduction:

The RMS Competitor Safety Tracking system is used to monitor competitors and course cars as they go through the route of an event. Also, it allows the crew to summon help by pressing the emergency button, which sends an alarm to Rally Control & HQ.

### Solution and Equipment:

A tracker device is installed in each vehicle and attached to the roll-cage in a suitable location, usually behind the Co-driver's seat on one of the roll-cage uprights. On some of the vehicles which have only two doors, another suitable location will be found where we have easy access to the box throughout the event and can see the indicator lights on the top of the box without having to open the door. Attached to the tracker box there is:

- GPS Antenna in build
- Communications Antenna in build
- Power cable



### Tracking device to be installed / Harness Cable with Flat Plug / Panic Button

The GPS antenna, Communications antenna, Crew Console and power cable will be installed at the tracker & Safety equipment fitting. **However, it is VERY IMPORTANT that you provide and install a power take-off cable before you arrive**, we can then connect the power cable from the tracker box straight into the power take-off you have installed. A power take-off cable is simply two pieces of wire that have been 'plumbed' into the vehicle power supply. The power take-off you install in the vehicle must be have two (2) female spade connectors (as shown in the below Photographs in figure 2) so that

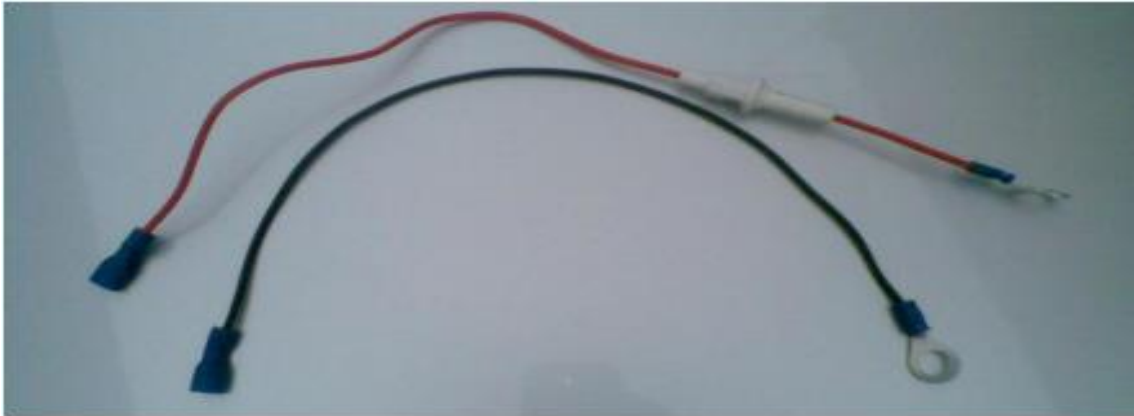
#### Arusha (Head Office):

Kwa Ngulelo Area, Baraa. Block 169G Nazareth Street.  
P.O. Box 15360, Arusha, Tanzania.  
Tel: (+255) 0776 222 000 | 0777 101 222  
Email: [info@utrackafrica.com](mailto:info@utrackafrica.com)  
GPS Co-ordinates: -3.3685, 36.7288

#### Dar es Salaam (Sales Office)

Off Mwai Kibaki Road, Block No. 34 Mkuzi Street.  
Mbezi Beach Rainbow Area.  
Tel: (+255) 22 261 7225 | 0787 887 225 | 0754 887 225  
Email: [sales@utrackafrica.com](mailto:sales@utrackafrica.com)  
GPS Co-ordinates: -6.7229, 39.2286

the power cable from the tracker box which has two (2) male spade connectors can be fitted quickly and easily.



#### sample Power Take – off Cable

It is important that power comes from a FUSED supply; therefore, you can either put an in-line fuse on the take-off cable or make sure that there is a fuse somewhere in the circuit where the power comes from.

Also, it is important that the power supply is AFTER THE IGNITION so that the tracker box only takes power when the vehicle ignition is on (which usually means the engine is running) and does not drain the battery when stopped for an extended period, such as overnight Parc Fermé.

#### Arusha (Head Office):

Kwa Ngulelo Area, Baraa. Block 169G Nazareth Street.  
P.O. Box 15360, Arusha, Tanzania.  
Tel: (+255) 0776 222 000 | 0777 101 222  
Email: [info@utrackafrica.com](mailto:info@utrackafrica.com)  
GPS Co-ordinates: -3.3685, 36.7288

#### Dar es Salaam (Sales Office)

Off Mwai Kibaki Road, Block No. 34 Mkuzi Street.  
Mbezi Beach Rainbow Area.  
Tel: (+255) 22 261 7225 | 0787 887 225 | 0754 887 225  
Email: [sales@utrackafrica.com](mailto:sales@utrackafrica.com)  
GPS Co-ordinates: -6.7229, 39.2286

**COMPETITOR SAFETY TRACKING – IMPORTANT TO FOLLOW**

Before fitting the tracking device, we will check for two (2) things:

- The power supply is after the ignition and when we switch the ignition off there is no power coming through.
- There is a fuse somewhere in the circuit providing the power. You will need to show us the fuse location and we will then remove the fuse to make sure that it is the correct circuit.

Make sure that power is not taken from a circuit that may not be on during the rally, for example a map light, which you will only use when it's dark. On one event a competitor took power from the brake light circuit, so there was only power when he had his foot on the brakes... Also, it is best not to take power from the intercom circuit or run the power take-off cable close to the intercom. This ensures that there is no interference in the headsets from the radio transmitter in the in-car tracker device. The power cable attached to the tracker device is 2.5-metres long, so you will also need to make sure that the power take-off cable is with-in 2.5-metres of the roll-cage in the rear of the car. You may have noticed that throughout this document we have stressed that the power is installed

before you arrive for fitting of the tracker box, there is a reason for this. If you turn up without the power take-off or it is not properly fitted, with over 10- vehicles to kit out we simply do not have the time to start installing or trying to fix the problem, the result being that we will not be able to install the tracker and by default you will not be able go through scrutineering and might not be allowed to start the event. If you have questions or need help, contact us either via the Organizers or at the Phone numbers above. Also, don't forget to tell your family and friends that they will be able to watch your progress throughout the event using our Mobile App which you can download from our website link or From AMSC Website.

For further information please go to: [www.utrackafrica.com](http://www.utrackafrica.com)

**Utrack Africa LTD Wishes all competitor's SAFE and WONDERFUL Event.**

**For further information please contact: -**

**Control room – 0789 784 784**

**Arusha (Head Office):**

Kwa Ngulelo Area, Baraa. Block 169G Nazareth Street.  
P.O. Box 15360, Arusha, Tanzania.  
Tel: (+255) 0776 222 000 | 0777 101 222  
Email: [info@utrackafrica.com](mailto:info@utrackafrica.com)  
GPS Co-ordinates: -3.3685, 36.7288

**Dar es Salaam (Sales Office)**

Off Mwai Kibaki Road, Block No. 34 Mkuzi Street.  
Mbezi Beach Rainbow Area.  
Tel: (+255) 22 261 7225 | 0787 887 225 | 0754 887 225  
Email: [sales@utrackafrica.com](mailto:sales@utrackafrica.com)  
GPS Co-ordinates: -6.7229, 39.2286