



## **Timing Beam Set-Up Instructions**

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## Welcome

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The information contained in this document is to provide an introduction and assistance in the use of RallySafe Timing equipment.

The RallySafe system may be the main timing system on event and its use includes a number of safety and tracking procedures that are instigated by the correct use at Stage Start lines. The system uses the Official and Competing cars to send data back to Rally Control. This data is then interpreted by the RallySafe program to provide Safety Tracking and Timing reporting.

## The Timing Beam

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If you have been issued with a timing beam, this is to be set up on the flying finish line prior to the stage starting.

There are a number of people available to provide assistance and information in the use of these units. If you are not sure please ask the Chief Marshal, Chief Safety or Rally Control.



## Kit Contents

Each timing beam kit should contain the following:

1. RallySafe Beam Unit
2. 2x RallySafe Beam Stand
3. 2x Beam mounting adjuster
4. Blue Battery
5. Reflector
6. Yellow power lead
7. 12v car charger lead

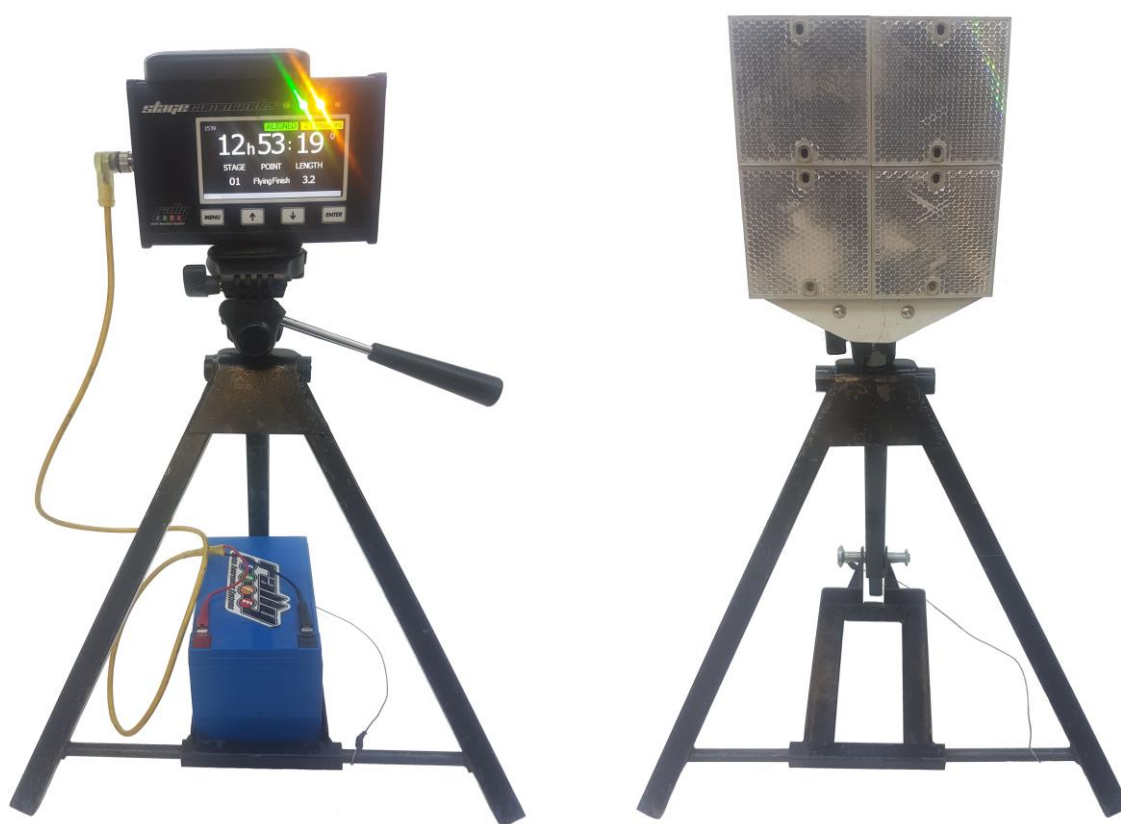
Note: Some beam kits may contain a sender cell instead of a reflector so some parts may vary slightly from this guide.



## Beam Assembly

The beam must be set up in line with the flying finish markers. Assemble the beam and reflector on the tripod stands and place them at opposite sides of the finish line. Check to make sure there are no obstructions blocking line of sight between the beam and the reflector like long grass or tree branches. The beam should be at or above knee height when set up.

Once assembled, connect the battery to the beam with the yellow power lead to turn the beam on.



## Beam Configuration

The unit will then go through a start-up procedure to find satellites.

**Once this is complete, you must align the beam before setting the beam to stage.** The green light above the screen indicates the beam is aligned, the red light indicates the beam is misaligned. Play around with the alignment to find the limits in both vertical and horizontal directions then tighten the clamp on the beam in the middle of those for best alignment.

After aligning the beam, the unit will prompt you to select the stage number. If the beam is within 500m of a finish location, it will preselect that stage. If this does not occur, use the up and down arrows to select the correct stage.



Select **Stage Finish** if asked for the Beam Type, and then select **1.0** for Stage length unless otherwise instructed.

Set Update cars to **NO**.

If a stage is being used more than once, the beam will have to be set to the new stage number after the first running. This can be done by pressing the menu button while the beam is already set up, it does not require powering down. This will take you through the same setup process again and simply adjust for the new stage number.



The yellow light indicates the beam has satellite messages waiting to be sent, so if packing up a beam, make sure to wait for messages to send before powering off the beam.



If the beam is misaligned for too long the screen will turn red and this will notify race control.