

Fitting a Re-radiating antenna

If your car has a Athermic, comfort or UV screen you will need to fit a re-radiating antenna. The coating on the windscreen interferes with the satellite signal being received by Road Angel which results in either no speed being displayed, intermittent or erratic speeds. In the picture below you can see the antenna laid out with the various parts identified.



In line cigar plug

Most vehicles fitted with these types of windscreen, there are a few exceptions, have a black speckled section at the top of the glass around the rear view mirror. This is a non-coated section of glass where you can place toll tags and GPS receivers.

In the picture below you can see the re-radiating antenna fitted to the inside of the vehicle on the afore mentioned section of glass. Note that the antenna is placed with the label facing inside the car. This is the correct way up and will not work if placed so that that label is facing outwards.



Alternatively, as shown below, the antenna has magnetic base and can be fitted externally to the vehicle if required or preferred.



There is sufficient cable supplied to run the cable across the top of the windscreen inside the roof lining, if you place your fingers between the lining and roof of the vehicle you will find there is a sufficient gap. Then down the A-Pillar where the cable can be pushed behind the plastic covering.

At this point the cable splits in two. One end needs to go to a power source and comes with a special in-line plug that allows you to power the antenna and Road Angel using the same cigar socket. Alternatively you can have the antenna hard wired into the vehicle's electrical system. **PLEASE NOTE: If you intend to do this we recommend removing the cigar plug from the antenna by unscrewing it rather than cutting it off as this can de-tune the antenna.**

At the other end of the cable is the re-radiating rod. This re-transmits the signal being picked up by the GPS receiver which is then picked up by the internal GPS receiver inside Road Angel. You can place the rod on top of Road Angel using the removable Velcro style tab or on the A-Pillar itself. The internal GPS receiver is at the very top of the device, as a result the rod cannot be placed under or below Road Angel itself. We recommend experimenting with different locations until you have found one that you are happy with and provides Road Angel with a satisfactory satellite signal.



Re-radiating rod