



The unique inflatable device designed to create safer working zones around vehicles.



Safe-turn® with AIRBAR - FREQUENTLY ASKED QUESTIONS

What is Safe-turn with AIRBAR?

Safe-turn is the automatic deployment of nearside AIRBARs to alert cyclists and VRUs from entering the dangerous drivers' nearside blind-spot. Whilst many new driver safety warning devices such as mirrors, cameras and short range radar have recently been introduced and mandated to help reduce serious injuries and fatalities to cyclists struck by vehicles turning at junctions, Safe-turn with AIRBAR is the only non-static safety device that visually warns the cyclist or VRU.

How does it work?

AIRBARs automatically activate when the left turn indicator stalk is operated at vehicle speeds less than 15mph. The flexible membrane uncoils as it inflates using low pressure compressed air and its internal LEDs start to flash in sync with the vehicle's indicator. When fully inflated it has the effect of deterring cyclists from entering the nearside blind-spot space causing them to wait behind the vehicle until its maneuver is completed. When deactivated by the driver or operator cancelling the operation using the indicator stalk, or when the indicator automatically cancels following completion of the maneuver at a junction, a recoil device exhausts the air used to inflate the AIRBARs and they recoil fully into a recessed holder.

How is it supplied and fitted?

AIRBARs are currently supplied as a kit and can be fitted to both new and OEM vehicles, or retrofitted to either light goods and heavy goods vehicles. When the Safe-turn system is purchased, either stand-alone or included in a complete system that includes Roadside-safe and Compound-safe, the nearside AIRBARs function as Safe-turn and can have 1, 2 or 3 AIRBARs per side depending on the length of the vehicle.

How is it powered electrically?

AIRBARs are connected to the vehicle's power supply. AIRBARs have a very low power requirement, typically 600mA per AIRBAR when operational.

Where does the compressed air supply come from?

The low pressure air is drawn from on-board stored air supply in vehicles that use compressed air for braking, or by an independent mini-compressor supplied as an option in the AIRBAR kit.