

# Road Safety Products

# Radio Over-broadcast



## Unique FM Radio Over-broadcast System

The Radio Over-broadcast is an FM radio over-broadcast system which allows emergency vehicle personnel to inform and instruct the surrounding drivers of the best course of action through their own un-modified FM Radio receiver.

The technology also works as a Workzone, Schoolzone & Level Crossings warning broadcast system for drivers as they are approaching a changed condition.

By communicating clear spoken instructions to drivers, they will know when and how to respond; reducing response times and the risk of accidents occurring to emergency personnel, workforce, vehicles and the public at large.

97% of vehicles have a radio & 80% of drivers listen to the radio whilst driving, this is a tremendous opportunity to exploit a common instrument as a highly effective safety device.

### Features & Benefits

- Over-broadcast 1 - 24 FM stations simultaneously
- Six control buttons for different scenario messages
- Over-broadcast in multiple languages
- FM over-broadcast on stations from 87.5 MHz to 108 MHz
- Automatic station detection and selection
- Manual selection to set or exclude stations from over-broadcast
- Broadcast quality audio transmission
- RDS functionality (PTY, PS, TA, TP transmission)

### Head Office

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## Call us 1300 500 055





<p><i>Drivers hear instructions on any one of 24 FM radio stations, no need to be on any specific station</i></p>	<p><i>Instructions can be in the language of each station so all drivers understand what to do in their own language</i></p>	<p><i>Safer environment for Schoolzones, Workzones, Level Crossings and Emergency Vehicle Personnel.</i></p>
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**Electrical Specifications**

Description	Typical	Min Value	Max Value	Units
DC supply voltage		10	36	Volts
DC supply current @ 10V			30.5	Amps
DC supply current @ 36V			8.5	Amps
DC supply current- inhibit active	0.1	0	10	mA
DC power	250 (transmitting)	20	300	Watts
Operational Temperature		-30	60	°C
RF Output power		0.5	80	Watts
Antenna Impedance	50			Ohm

Only radio can deliver clear spoken instructions to drivers which is more effective than simple lights and sirens.

Lights and sirens can only be seen and heard in the immediate area. Sound insulation prevents any siren from being heard beyond the next car or two.

The surrounding driver's FM radio does not require modifications or additions to hear the over-broadcast.

The Radio Over-broadcast brings the over-broadcast advantages to your work site or fleet.

In addition to the safety of road users, what can often be overlooked, is the safety of our infrastructure construction and maintenance personnel where we have also experienced a levelling off of accident/fatality incidence. Our 'workzone' personnel work in a dangerous environment which is further exacerbated by their close proximity to traffic flow. A number of high speed 'run-throughs' or perimeter breaches have been experienced in a number of States. Where situations allow, States have closed roads for work to be undertaken, providing a much safer working environment but, of course, this is not always possible due to vehicle access and traffic flow demands.

***"If we are not embracing every opportunity to save lives; we are costing lives!" Peter Boylan***

Radio-Over-broadcast provides a valuable tool in a layered approach to road & workzone safety with verbal communication being six times more effective in driver behaviour modification than signage alone. (Wogalter et al).

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