

# Talking Sounders for Safer Vehicles

**Vehicle**

**Safety &  
Security  
Solutions**

**Product  
Catalogue**

# Talking Sounders for Safer Vehicles

## BigMouth® talking warning sounders

- are manufactured in the UK
- are independently tested
- carry the “ce” or “e” mark as appropriate
- operate on 12/24volts
- are fully encapsulated for weatherproofing
- carry a minimum two year warranty
- are available with bespoke messages
- are available in any language

This catalogue includes a small range of standard product applications.

Bespoke product and personalised messages are supplied to many of our customers.

We are always pleased to offer solutions to your additional applications.

Please send your enquiry to:

**[sales@safervehicles.co.uk](mailto:sales@safervehicles.co.uk)**

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# O.W.L. Vehicle Electronic Systems Ltd

O.W.L. specialise in safety and security solutions using real human speech and other sounds, reproduced electronically.

Our associate companies provide talking sounders to clients in every aspect of industry and commerce worldwide.

From standard applications such as reversing alarms to individual specialist vehicle solutions our products deliver consistent messages that are readily understood and produce instant response.

Our customers include national government departments and the armed forces, local authorities, utilities, vehicle manufacturers, fleet operators, bodybuilders, auto-electrical distributors & installers and individual owner-drivers.

We have no minimum order size for bespoke products.

Our product range also extends to safety and security solutions for sites where vehicles operate and are stored, serviced and sold.

These include depots, loading bays, warehouses, garages and forecourts.

Products may be supplied “off-the-shelf” or tailored with personalised messages in any language and own-label branded for individual customers.

Our Design and Development team are able to provide solutions for specialist applications and individual projects.

We are accredited to ISO 9001:2008

O.W.L. Vehicle Electronic Systems Ltd  
O.W.L. House  
PO Box 1330  
TAMWORTH  
B77 1AW

0845 643 0212  
Sales@safervehicles.co.uk



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# Talking Reversing Alarms

## BigMouth® Talking Reversing Alarms

The commanding real human voice message immediately tells the pedestrian that ***“this vehicle is reversing”***.

The voice is directional and is heard clearly where it matters - at the rear of the reversing vehicle. This means that there is no confusion and the pedestrian responds immediately.

The sound from talking reversing alarms does not carry for long distances, so it also means that the warning is effective without being intrusive and complaints about noise from residents near to vehicle operation sites are avoided.

## Night Silent Facilities

Automatic and selectable night-silent facilities are available to suit all operating conditions.

## Bilingual and bespoke messages

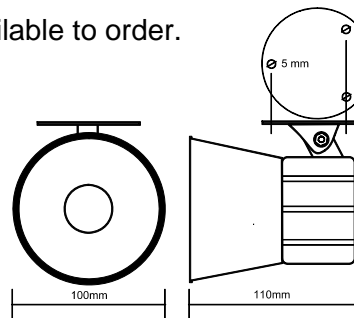
Reversing alarms may be supplied with bespoke warning messages to identify the individual vehicle e.g. *“Road Sweeper Reversing”* or include the name of the vehicle operator, at no extra cost.

Bilingual, English-Welsh alarms are also available.

Louder volume output available to order.

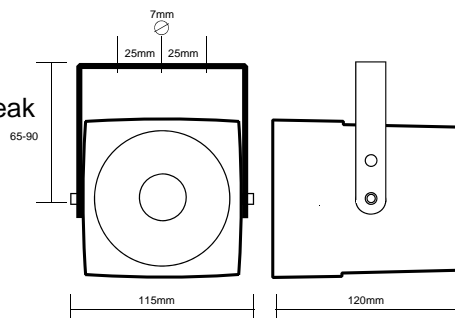
### Junior Alarm

- 12-24 Volts
- 0.25 Amps peak
- IP65
- 95dbA
- Lifetime Warranty\*



### Senior Alarm

- 12-24 Volts
- 0.25 Amps peak
- IP66
- 98dbA
- Lifetime Warranty\*



\* Lifetime warranty applies to products registered to original vehicle in original ownership



**BigMouth® Talking Alarms generate an immediate response**

## BMJ-100 Series (BigMouth Junior)

|                  |  |
|------------------|--|
| Operation        | Message sounds continuously when reverse gear is engaged.<br>If third wire is connected alarm will not sound when vehicle lights are on (automatic night-silent)<br><br>May be used with over-ride timer OR-100 or double-engage over-ride unit OR-200 to give day and night over-ride facility with lights on or off. |
| Standard Message | "Attention...this vehicle is reversing".   |
| Bespoke Messages | Up to 35 seconds for best speech quality   |



## BMS-100 Series (BigMouth Senior)

|           |   |
|-----------|---|
| Operation | As for BMJ-100 series above.<br><br>May be supplied with over-ride timer OR-100 or double-engage over-ride unit OR-200 built into the speaker. See both versions below. |
|-----------|---|

## BMS-400 & 500 Series (BigMouth Senior) with integral Over-ride Timer

|                               |  |
|-------------------------------|--|
| Operation                     | As for BMS-100 series above except:-   |
| If the vehicle lights are off | a single depression of the over-ride button will silence the alarm for a period of about 4 minutes. This allows reversing manoeuvres to be completed in noise-sensitive locations such as hospital grounds.        |
| If the vehicle lights are on  | a single depression of the over-ride button will allow the alarm to sound during the following 4 minutes. This enables safe reversing during adverse weather conditions and busy pedestrian areas during darkness. |



## BMS-450 & 550 Series (BigMouth Senior) with integral Double-engage Over-ride

|           |  |
|-----------|--|
| Operation | As for BMS-100 series above except:-<br><br>If reverse gear is engaged, then disengaged and engaged again within a period of 3 seconds the reversing alarm is silenced. The alarm resets automatically when neutral is next selected. Particularly suitable for vehicles with automatic gears. |
|-----------|--|

## OR-100 Over-ride Timer - may be used with any standard Junior or Senior Alarm

## OR-200 Double-engage Over-ride Unit - may be used with any standard Alarm

Both over-ride units are also suitable for retro-fitting to alarms without built-in over-ride facility.

# Talking Handbrake Warning Sounders

## The Runaway problem.

Even with driver training programmes and strict operating procedures drivers sometimes fail to observe simple safety rules, with potentially fatal consequences.

Having come to a standstill a vehicle will often remain stationary even without the parking brake applied.

It is only when the trailer is disconnected, the payload unloaded or equipment operated that the danger materialises.

Then when the vehicle moves the driver is unlikely to be able to climb back into the cab to stop it.

## An effective solution - the Talking Handbrake Warning Sounder

If the driver's door is opened without the handbrake being applied, the BigMouth® Handbrake Warning Sounder tells the driver...

***“Driver...APPLY THE HANDBRAKE”***

The warning message cannot be misunderstood and cannot be ignored. Now there can be no excuse for any driver to leave the cab without first applying the handbrake.

The warning message sounds only when the driver fails to apply the handbrake. The message is never heard during safe operation of the vehicle.

## Bilingual & Bespoke Messages

Also available in English/Welsh or with a message to your specification.

## Installation

Installation is straightforward both for dealer-fit on new vehicles and for retro-fit to existing fleets.

- 12/24volts
- connects to handbrake switch and courtesy light switch on driver's door
- +ve or -ve trigger
- only visible component is a small in-cab speaker
- available with external weatherproof speaker
- available with radio mute feature



**BigMouth® Talking Alarms  
generate an immediate response**

## **BMH-100 Series Handbrake Complete Warning Systems**

|                  |  |
|------------------|--|
| Operation        | Message sounds continuously when driver's door is opened whilst the handbrake is off. Will not reset until the handbrake is applied. |
|                  | Radio mute, silences vehicle radio when message sounds   |
| Standard Message | "Driver...apply the handbrake"   |

### **BMH-100-SS single speaker system ( English/Welsh version BMH-201-SS)**

Sounds message through in-cab speaker



### **BMH-100-DS dual speaker system (English/Welsh version BMH-201-DS)**

Sounds message through in-cab speaker and second external weatherproof speaker. The warning message can be heard outside the vehicle even if the driver exits the cab and closes the door



## **BMI-100 Series Handbrake Warning Sounders**

Talking sounder only - to replace existing buzzer systems

### **BMI-101 Handbrake in-cab Sounder (English/Welsh version BMI-201-SS)**

|                  |                                   |
|------------------|-----------------------------------|
| Operation        | As above plus radio mute          |
| Standard Message | "Driver...park brake not applied" |



### **BMI-102 Handbrake in-cab Sounder (English/Welsh version BMI-202-SS)**

|           |  |
|-----------|--|
| Operation | Sounds message continuously whilst triggered |
|-----------|--|

# Talking Left-Turn Warning Sounders

Many towns now have dedicated cycle lanes or bus lanes used by cyclists and motorcycles.

It is also common for cyclists to overtake vehicles on the near side when traffic is congested and at road junctions.

They are often invisible to drivers of large vehicles, even when blind spot mirrors are fitted.

In the rush to pass a stationary vehicle cyclists and motorcyclists may not be aware that the vehicle is about to turn left.

If the driver doesn't see them the consequences can be fatal.

Given adequate warning the person on the bike is in the best position to take avoiding action.

A simple warning sounder fitted to the near side of the vehicle provides the solution.

The BigMouth® warning sounder delivers the appropriate message ***"this vehicle is turning left"***

The warning is only heard in the danger zone and does not cause confusion or noise pollution.

The warning message may be triggered by the left-turn indicator or by a driver-operated push button, so it is equally suitable for warning pedestrians who may step off the curb in front of a turning vehicle.

A warning message in the cab can also give the driver a gentle reminder to ***"check nearside mirror"***.

Instead of a standard message the sounder can be factory-programmed to repeat whatever message you require so you can personalise it to more readily identify the exact vehicle, for example...

***"XYZ Concrete vehicle turning left"*** or ***"warning...this bus is turning left"***

The message may also be repeated in two languages such as English and Welsh.

- 12/24volts



**Avoid left turn accidents**

**with talking warning sounders**

**BigMouth® Talking Alarms  
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### BMJ-159 BigMouth Junior Left Turn Alarm

Single external speaker

Operation

Message sounds repeatedly whilst the left turn direction indicator is operating.

Alternatively may be specified at time of order to repeat a given number of cycles each time a push button is operated

Standard Message  
Bespoke Messages

“Warning...this vehicle is turning left”  
Up to 35 seconds for best speech quality



### BMS-800-SS BigMouth Senior Left Turn Alarm

Single external speaker

Operation

As for BMJ-159 above.

Suitable for larger vehicles



### BMS-800-TS BigMouth Senior Left Turn Alarm

Operation

As for BMS-800-SS

with a master unit and two slave speakers for fitting along the side of longer vehicles



### BMI-121-SS BigMouth Internal Side Turn Alarm

Single in-cab speaker

Operation

Message repeats intermittently whilst the left turn direction indicator is operating.

Standard Message  
Bespoke Messages

“Driver...check nearside mirror”  
Up to 35 seconds for best speech quality



# Talking Equipment-Operating Alarms

There are many types of equipment used on vehicles with specialist applications.

Use of this equipment may cause a hazard to operators, other site workers or members of the public.

A simple solution to prevent accidents is to fit an effective warning sounder.

No matter how specialised the vehicle or equipment a suitable warning message may be applied.

Some application examples appear below.

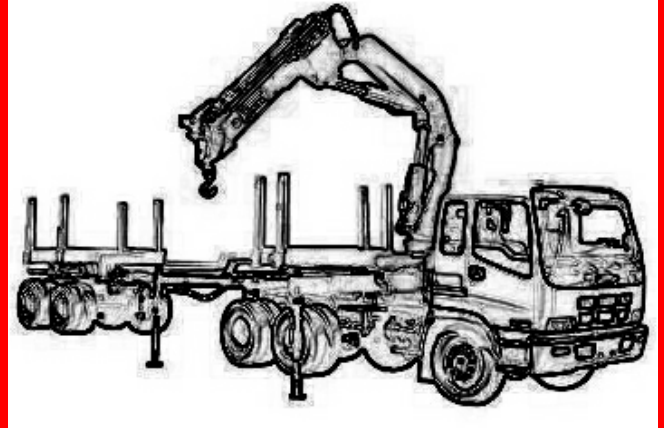
- Tail gate operating
- Tail lift operating
- Chair lift operating
- Deck moving
- Skip loading
- Crane operating
- Stabiliser jacks lowering
- Bin lifting
- Unstable vehicle
- Gritting in progress
- Overhead cables
- Doors closing
- Coupler releasing
- Cab tilting
- Tipper body lowering
- Tipper load emptying
- Load ejecting
- Refuse compactor operating
- (*Precinct*) sweeper approaching
- Conveyor about to start
- Driver trapped in freezer body

This is just a small selection of applications supplied.

You can specify the exact wording you require.

Duration may be as long as is necessary to provide an effective message.

Send your enquiry to [sales@safervehicles.co.uk](mailto:sales@safervehicles.co.uk) and we will be pleased to advise an appropriate message for your application.



**BigMouth® Talking Alarms  
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# In-vehicle Advisory Messages

There are many occasions when it is appropriate to provide a safety message to the driver or passengers.

It is essential that any safety message should be clear and immediately understood.

Drivers should instantly become aware of any action they should take.

Messages to passengers should be given clearly and with authority but without causing confrontation.

Some application examples appear below.

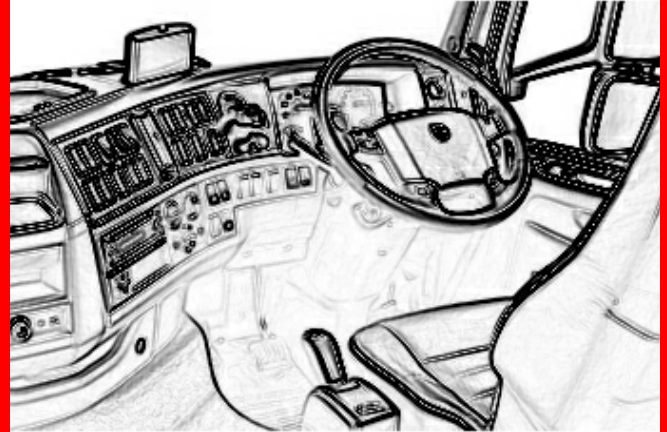
- Please fasten your seatbelt
- Seatbelt not engaged
- Smoking is not permitted in this vehicle
- You are required by law to wear a seatbelt
- Please remain seated during the journey
- Remain seated until reaching the terminal
- Engine about to stop
- Engine about to start
- Do not drive jacks lowered
- Crane not stowed
- Tail lift down
- Rear doors open
- Equipment too high
- Tipper body raised
- Check for overhead cables
- Doors closing
- Take care on exit
- Release brake
- Roller shutter not closed

This is just a small selection of applications supplied.

You can specify the exact wording you require.

Duration may be as long as is necessary to provide an effective message.

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Security applications on vehicles range from attacks on drivers or passengers to theft of vehicles or cargo.

O.W.L. provide various solutions to suit the wide range of vehicle types and security situation.

## Vehicle Attack Alarms

Simply triggered by the vehicle driver when an attack is threatened, the alarm can call for help and can also cause the aggressor to cease the attack.

Systems suitable for:

- Cash-in transit vehicles
- Bullion vehicles
- Mobile banks
- Mobile libraries
- Ambulances
- Fire appliances
- Taxis
- Buses and coaches

## Attack-deterrent Warning Sounders

Confrontation and potential attacks may often be prevented in taxis and passenger transport vehicles by the use of simple but effective warning sounders.

- “For safety and security CCTV operates in this vehicle”
- “All passengers are recorded on CCTV”

## Anti-theft warning messages

To deter theft by warning potential intruders or to notify the driver of an attempted theft or hijack.

- “This vehicle is monitored by CCTV”
- “For security purposes you have been recorded on video”
- “Driver...the load door has been opened”
- “Driver...remain in the cab and lock the doors”
- “Driver...call the police for assistance”

This is just a small selection of applications supplied.

For your application send your enquiry to [sales@safervehicles.co.uk](mailto:sales@safervehicles.co.uk) and we will be pleased to advise an appropriate message and solution



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# Vehicle Depot Solutions

Distribution centres, depots and vehicle workshops all have additional safety and security situations that may benefit from talking sounders.

Bespoke warning messages and various triggering options mean that solutions may be provided to meet your exact requirements.

Typical application message examples are shown below.

- Warning...vehicles operate in this area
- Keep clear of moving platform
- Conveyor belt about to start
- You are entering a hazardous area
- Automatic doors closing
- Do not enter the loading bay
- Fork lift trucks operate in this area
- This is a restricted area...leave immediately
- You are being monitored on cctv
- CCTV monitoring operates in this area
- All personnel are required to leave the area
- Security door xxx has been opened
- An intruder has been detected in the office

For your application send your enquiry to [sales@safervehicles.co.uk](mailto:sales@safervehicles.co.uk) and we will be pleased to advise an appropriate message and solution



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