

# AUDIO ALERT SYSTEM

HMMP3016



## GET THE MESSAGE

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When the dashboard lights up with a range of warnings and symbols, it can be difficult to interpret in a timely manner, especially if the situation is escalating quickly.

With the Audio Alert System, operators receive clear, precise, verbal alerts telling them what's wrong and what to do, so they can act swiftly in critical situations.

These critical warnings include high engine temperature, headlights on, tailgate open and over-speed detection. Furthermore, tailored commands and instructions are harder to ignore.

The Audio Alert System can pair with many other Hummingbird devices such as inclinometers, cabin pressure monitors and speed switches to deliver a range alerts through the Audio Alert System directly to the operator.



### Look at the benefits:

- Clear verbal alerts provide immediate clarity
- Create up to 16 unique verbal alerts
- Easy to configure
- Built to last with an enclosed, sealed aluminium housing offering moisture and dust protection

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- Built-in amplifier can directly drive an 8 ohm speaker
- Easy-to-configure programming through audio file naming
- Micro SD card slot allows simple loading of audio files
- Configurable volume and delay for each input channel
- Rugged and sealed aluminium housing designed for moisture and dust protection

## IMPROVE SAFETY. PROTECT EQUIPMENT. REDUCE CONFUSION.

The Audio Alert System is rugged and reliable, housed in a die-cast aluminium enclosure. An IP65 rating protects electronics from dust and moisture for flexible installation in complicated vehicle systems.

It features a wide input voltage of 10 to 30 volts, which enables it to be used in 12 and 24 volt vehicles, making it perfect for cars, trucks, buses and other heavy vehicles and machinery.

An in-built amplifier allows messages to be relayed (spoken) through an 8 ohm speaker. There is also an audio line-out that can be connected to an external amplifier or PA system.

### Customisable verbal alerts

The Audio Alert System has 16 input channels which can be prioritised to allow critical alarms to override low priority messages.

Each channel contains a saved audio file name that allows for customised configuration, some of which include high and low input triggers, the number of times the recorded message is repeated, message volume and a timed delay before triggering.

It is supplied with 16 pre-installed sound files and features a Micro SD card slot enabling users to load sound files. It is compatible with common sound formats including MP3, WAV, OGG, MP2 and WMA.

### Uploading audio files

A text to speech program can be used to create customised voice messages for each input.

Common audio file formats like MP3 and WAV can be loaded into the device's internal memory using a Micro SD card (not included).

The filename specifies the message priority number, positive or negative trigger type, volume, repeats and delay before playing.

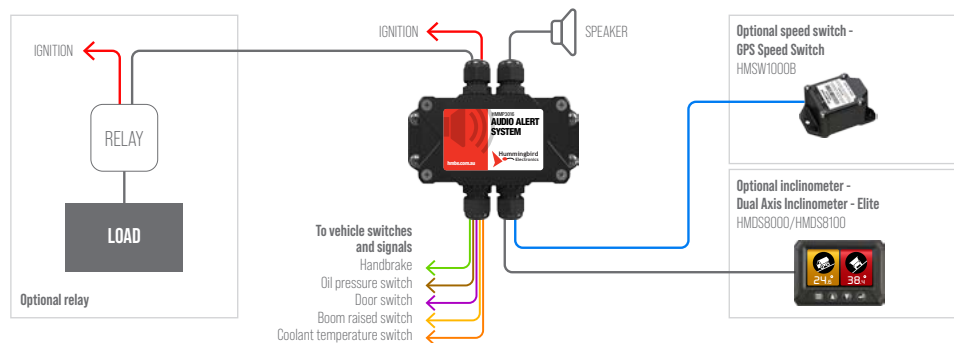
### Custom configuration

The Audio Alert System is capable of driving up to three relay outputs.

We can also customise the device for your fleet and accept inputs from CAN, J1939 or RS485 systems.



<b>Part number</b>	HMP3016
<b>Supply voltage</b>	Minimum 10V - maximum 30V
<b>Supply current</b>	Standby: 35mA@12V DC Playback: up to 2A depending on speaker and audio file
<b>Inputs</b>	Twelve high and low digital inputs, four negative digital inputs
<b>Outputs</b>	Two terminals for connection to an 8 ohm speaker
<b>Environmental</b>	-10°C to 70°C; 5% to 95% relative humidity
<b>Physical</b>	Weight 311g - Size 147 x 74 x 42mm (excluding glands)



Visit [hmbe.com.au/audio-alert-system](http://hmbe.com.au/audio-alert-system) for more information

The Audio Alert System works well with...



### Panel Mount Cabin Pressure Monitor

HMPS3000KIT

Measures cabin pressure and compares it with atmospheric pressure. When the pressure falls below a critical level it warns the operator. Paired with the Audio Alert System it provides verbal announcements for alerts relating to high or low pressure events, for example *"Warning, low cabin pressure detected"*.



### Dual Axis Inclinometer - Elite

HMDS8000/HMDS8100

The Dual Axis Inclinometer - Elite provides visible pitch and roll on its colour display. It will log time, date, GPS location and speed. Paired with the Audio Alert System, it provides verbal announcements for a range of alerts relating to pitch and roll warnings, for example *"Warning, dangerous vehicle angle"*.



### GPS Speed Switch

HMSW1000B

The GPS Speed Switch is a calibration-free, speed-based relay which provides a warning or can take action when a vehicle exceeds a given speed. When paired with the Audio Alert System it can provide a verbal announcement for customised alerts relating to overspeed warnings and dangerous driving, for example *"Warning, site speed limit exceeded"*.