

Flood Warning Messaging System

QUICK DEPLOY PUBLIC SAFETY PA SYSTEM



The Antares Flood Messaging System was developed in conjunction with the UK Environment Agency in Leeds. The system meets their need for effective communication of potentially high water levels to the general public, urgently, effectively and using non-frontline personnel in a safe and controlled manner.

The system can be deployed in minutes on any standard vehicle without damage. Simply place the "mag-mount" light-bar onto the roof, put the controller onto a passenger seat, plug the power cable into the cigarette socket and you are ready.

Once the message has been selected and the volume level set, the powerful front and rear speakers convey pre-recorded messages repeatedly without the driver taking their hands off the wheel.

The standard unit comes with eight pre-recorded messages on a plug-in card, which can be defined at the time of order. Almost any length of message can be recorded allowing the Environment Agency to create multi-lingual message strategies for various local needs. This approach allows the same message to be broadcast in different languages without operator intervention.

The system can also be offered as a permanent fit and can be integrated into existing fleet vehicles.

Alternative message cards can be provided for other incident types, eg CBRN, air pollution, explosion etc.

Summary of features

- Helps meet statutory requirement to "warn, inform and advise" under 2004 Civil Contingencies Act
- Fits any "hard-top" vehicle
- Easy to use, "hands-free" operation: set-up and go in less than 5 minutes.
- Cigarette lighter connection
- Compact, non-damaging 0.7m light-bar with magnetic mounts
- High visibility, low power-consumption, amber LEDs
- Two high clarity 120dB speaker horns
- Illuminated area for Environment Agency logo
- Light-bar storage case included
- Self-contained control unit housed in sturdy carry-case
- 8 selectable pre recorded messages on Compact Flash (accessible from front panel)
- Engine Start protection - cannot flatten the vehicle battery, even if used when the engine is not running
- Microphone PA option
- Studio message recording service available

Full featured light bar

The "M" series light bar offers an aesthetically pleasing aerodynamic shape and is packed with all the usual features of the latest generation of light-bars.

The bar is equipped with 2x front and 2x rear facing amber LED lamps and 2x 120dB speaker horns—one facing forward, the other facing backward.

The bar features simple access for routine maintenance, full aluminium chassis and ruggedised construction. It is fitted with



FM 37786
ISO 9001:2008

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magnetic mounts for normal low speed operation and additional tethers for security should the vehicle be inadvertently driven at higher speeds.

A front and rear facing illuminated text box for the UKEA logo (4 x 20W bulbs) completes this simple to use light-bar.

Messages

Any of eight messages stored on the compact flash card can be played, selected by a switch on the control box.

If an alternative set of messages is needed then it is a simple matter of changing to another "flash card" via the front panel.

Each message can be previewed before broadcasting it, by playing it on a small loudspeaker within the control unit (in the vehicle) before broadcasting on the front and/or rear speakers.

Speakers

The system uses the traditional fore and aft format which allows the slowly travelling car to project sound down the road alerting the public to the fact that an announcement is coming, and allowing the repeated message to be heard as the vehicle moves past.

Power Management

The system includes an automatic power disconnect which ensures that use of the system with the engine off will not deplete the start battery.

Volume

The volume of the system can be reduced to allow for safe use in confined spaces

Storage

When not in use, the light-bar is

stored in its own protective case. The control system comes pre-mounted in its own carry-case.

LEDs

Much has been made of recent LED technology, but light sources must be selected with care to optimise brightness, optical safety and minimal power consumption.

Use of low-power consumption LEDs is essential in this application as the total power consumption of halogen rotators together with the peak current of the messaging system would exceed the power that can be safely drawn through the cigarette lighter socket.

Rotating halogen beacons can be provided as an option (with permanent mountings for the controller if required) if the unit is to be permanently wired.

Variations

This is just one application. We are aware that different organisations may have different needs and the system above may need to be modified to meet your exact requirements. These variations are fully catered for by our flexible company approach, modularised hardware, programmable software and the ability to call upon the extensive resources of our European partners.

At Antares we have an unusual approach: partnership design, fully engineered supply with built in reliability.

