

KING AVMS

ADVANCED VARIABLE MESSAGE SYSTEM

KING AVMS

MANAGING THE

ROAD AHEAD

INTELLIGENT
TRANSPORT
SYSTEMS



Group of Companies

KING AVMS

ADVANCED VARIABLE MESSAGE SYSTEM

The **King Advanced Variable Message System (AVMS)** provides unparalleled visibility and clear information to drivers. The flexibility of the AVMS package allows it to be used within a wide variety of applications, whether it be smart or conventional motorways or urban traffic systems. The modular, full matrix display area is capable of displaying an almost infinite range of pictograms, aspects and legends.



STATE-OF-THE-ART DISPLAY TECHNOLOGY

The King AVMS system benefits from the latest technology in surface mounted LEDs and the most stringent of testing and alignment to ensure the most efficient and highest optical performance possible.

The system has been designed and developed to allow for UTMC compliance and the latest EN12966 specifications. The power requirement for the signs are one of the lowest available offering very high efficiency at site.

MODULAR CONNECTIVITY

Our latest development in modular connectivity allows both communication and optional extras to be configured easily giving flexibility of supply and ease of maintenance.

For fixed installations, we utilise our own control system which includes the outstation module which can be installed within the sign head or remotely, a configuration plug fixed to the local post or remote mount. Instation module is locally sited at the control station along with the operator terminal which includes user friendly software for ease of sign setting and information logging.

The system allows for remote logging to ensure the maintenance engineers have clear accurate real-time information on any issues which may occur. For fixed on highway solutions the system is compliant with MCH 1514 and offered with code of connection.

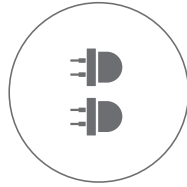


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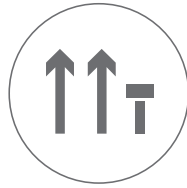
For industry leading **Advanced Variable Message Systems**
contact Peter Smith at King Transport Equipment:

peter.smith@king.uk.com or **+44 (0) 1858 467361**

SURFACE MOUNTED
LED DISPLAYS



INFINITE MESSAGES,
IMAGES & LEGENDS



UTMC COMPLIANT



HIGHLY EFFICIENT



REMOTE LOGGING



MULTIPLE
CONNECTION TYPES



Ethernet



GPRS



Radio



Fibre

TECHNICAL SPECIFICATIONS

- Full matrix display - available in a number of different sizes
- Display luminance level automatic
- LED pitch 20mm
- Housing material aluminium, seawater resistant
- Housing rating IP 56
- Lighting protection Unit (LPU)
- Ambient temperature range -40 - +50
- Sign setting PC / laptop based software with internet connection
- Sign display capable of setting signs individually or as a group
- Cable remote control
- Power source mains, 230V AC, 12V / 24V DC
- EN12966, CE approved

ROTTMS KEY FEATURES

- Wickets up to 5 lanes with relevant variants (1 mile, 800 yards, 600 yards, 400 yards or 200 yards YDS)
- All displays as per the DfT Signs Authorisation
- LED display area dependent upon 12b or 9(5) sign specification
- LED display colour red and white
- LED border size for effective contrast ratio and legibility: 150mm (framed) as per the DfT approval
- Sign lifting eyes equipped as a standard
- Display sequence displays automatically the corresponding distance for TSRGD diagram 572 or 7202.1
- A standard highways England programmable ECP mounted on the post for location i.e. 1 mile
- Security software prevents conflicting aspects being displayed in the same group of signs
- Capable of sending and receiving control messages
- Capable of sending and receiving status replies
- Automatic fault reporting
- Automatic logging of data (user, time, display message, etc)
- UTMC compliant
- Optional on board battery backup up to 2hrs dependent upon aspect
- Crash safe inertia switch
- Equipped with bulkhead mounted mains inlet and comms connector
- Sign status indicators 2 LEDs:
Red = Power Okay (off = no power)
Yellow = Comms. Okay (off = no comms.)
- Approvals - EN12966, CE approved, Highways Agency type approved, TOPAS approved, TR2603 compliant, signs authorisation by DfT, code of connection in accordance with MCH1514, EMC as per BS EN 50293

KING FIXED SIGNS - THE NAME TO TRUST

King has been synonymous with the UK's transport engineering industry for over six decades and as part of the Martin Group of Companies now offers an even larger portfolio of services to the country's transport sector with the backing of a larger organisations support resources.

HW Martin Safety Fencing Ltd have been a trusted installer of permanent and temporary vehicle restraint systems throughout the UK since 1985, with a bespoke fleet of vehicles and trailers and a fully trained and certificated workforce.



GROUP OF COMPANIES

HW Martin (Traffic Management) Ltd are the UK's recognised market leader, and largest independent provider of specialist traffic management on motorways and high speed roads. Undertaking all aspects of traffic management from event signing to contra-flows on motorways including all design requirements incorporating the latest technology and industry best practice.



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Group of Companies

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FULL CONTRACT SOLUTION

King fixed sign division can provide customers with a total solution for variable message sign systems including civil works, installation and commissioning of signs and supporting equipment and cabinets.

For large projects, we can manage the entire process using our own qualified King project managers who oversee all aspects of the project, including where necessary, sub-contractors and third parties, through to successful completion.



AFTERSALES

Every package comes with an industry leading warranty and structured support program from King.

King service support minimises your downtime and keeps your equipment in service.

Our dedicated service engineering team offers a full package to help you manage your through life costs. The benefits include a single point of contact, full aftersales and technical support, remote monitoring, complete service packages with extended warranties tailored to suit your needs and fully qualified and experienced engineers.

All parts, if not off the shelf, can be ordered and shipped within 48 hours.

Training is also offered covering all elements of the package. Our trainers have in depth knowledge of all aspects of the system.