LIGHTBARS, FLASHERS, CONTROLLERS, SIRENS & SWITCHES, MATRIX DISPLAYS

Blues & Twos Collection

Look no further than Standby RSG for all your LED lightbars including mini lightbars, LED flashers, control units, sirens, switches and complimentary compatible units.

All this plus a whole lot more and all in one place, why go anywhere else?

STANDBY®

RSG

Lightbars

Choose from a range of 7 types of LED lightbars including mini lightbars

Warning Lights

Be conspicuous or discreet with a range of external, internal and covert LED warning lights

Control Units

User programmable control devices for managing hazard warning functions

Sirens & Speakers

Digital and electronic siren amplifiers and compatible loudspeakers

Switch Units

A versatile range of fully programmable switch units and panels with user defined legends

CARAT Switch System

An innovative solution to improve in-car switching technology

Traffic Commander

Programmable LED Matrix Displays

Lightbars : When Attention Matters

W3 LED LIGHTBAR TOP OF THE RANGE

This top of the range lightbar has a robust, aerodynamic design with single or dual colour interior modules in blue, amber, white and red - offering a whole host of possibilities.

The W3 was developed to cope with the tough Nordic climate and is built with high quality in mind. The lightbar is connected via CAN-Bus or via a separately purchased break-out box.

- Aerodynamic design that provides minimal air resistance and low noise
- Multiple lengths available from 37 to 76 inches
- Optional work lights, running lights, indicators and/or brake lights
- Side alley lights as standard
- Dimmed light and cruise function
- 12 and 24 volt operation
- 4 year warranty
- ECE R65 Class 2 and ECE R10 approved

R65 CLASS 2   **R10** EMC   **4YR** WARRANTY

VEGA LED LIGHTBAR INTERMEDIATE OFFERING

This robust intermediate lightbar has a solid aluminium structure with UV stable polycarbonate lenses in blue, clear or amber. It houses high intensity single colour interior modules in blue or amber.

- Aerodynamic styling provides minimal air resistance and low noise
- Available from 33 to 63 inches in length
- Supplied with adjustable mounting brackets
- Dimmed light and cruise function
- 12 and 24 volt operation
- 3 year warranty
- ECE R65 Class 2 and ECE R10 approved

R65 CLASS 2   **R10** EMC   **3YR** WARRANTY

SILVERBLADE LED LIGHTBAR CONTEMPORARY DESIGN

At only 43mm high the Silverblade is one of the lowest profile premium lightbars available. Packed with latest generation single or dual colour LED light heads.

Its streamlined design with crystal clear, UV stable, polycarbonate lenses that have one single join at the centre make the Silverblade an attractive, durable and uncluttered choice.

- Sleek ultra low profile
- Available from 44 to 54 inches in length
- Built in traffic director
- Optional side alley lights, take downs and GATSO
- Dimmed light and cruise function
- 12 volt operation only
- 5 year warranty
- ECE R65 Class 2 and ECE R10 approved

R65 CLASS 2   **R10** EMC   **5YR** WARRANTY

AEGIS LED LIGHTBAR WHEN A MORE SIGNIFICANT VISUAL PRESENCE IS REQUIRED

The Aegis LED lightbar has separate sectional UV stable polycarbonate lenses. Top lenses are available in a range of designated colours while the base lenses are crystal clear allowing 360° visibility of the intense D-fuser LEDs.

The Aegis is the ideal choice if you want to stand out from the crowd and make your presence known.

- Available from 42 to 54 inches in length as standard with 72" available to order
- Optional side alley lights, take downs, GATSO and traffic director function
- Optional illuminated centre section or built-in 100w speaker
- Dimmed light and cruise function
- 12 volt operation only
- 5 year warranty
- ECE R65 Class 2 and ECE R10 approved

R65 CLASS 2   **R10** EMC   **5YR** WARRANTY

SEE WEBSITE OR SEPARATE PRODUCT CATALOGUES FOR FULL RANGE   EXTENDED WARRANTIES AVAILABLE UP TO 5 YEARS

Lightbars : Making Your Presence Known

LEGION LED LIGHTBAR TRIED AND TESTED

The Legion lightbar is a tried and tested model that is powerful in performance yet economically priced.

A clear, UV stable, muti-section shell wraps around a sturdy aluminium extrusion resulting in a lightweight, modular and easy to service rooftop lighting option .

- Clear multi-sectional lenses, optional blue lenses available to order
- Available from 24 to 49 inches, longer lengths also available
- Optional side alley lights, take downs and GATSO
- Optional illuminated centre section or built-in 100w speaker
- Dimmed light and cruise function
- 12 volt operation only
- 5 year warranty
- ECE R65 Class 2, ECE R10 and Spec 5 certified

SPEC 5 CERTIFIED | R65 CLASS 2 | R10 EMC | 5YR WARRANTY

STELLAR LED LIGHTBAR TRADITIONAL STYLING

This traditionally styled lightbar still remains a popular choice with our customers and so remains an integral and important asset in our range.

Constructed around an effective aluminium base, the modular design of the Stellar facilitates easy access for future maintenance and servicing.

- Interior LEDs available in white, blue and red with modular clear or coloured lenses
- Available from 30 to 49 inches, longer lengths also available
- Optional side alley lights, take downs and GATSO
- Optional illuminated centre section
- Dimmed light and cruise function
- 12 volt operation only
- 5 year warranty
- ECE R65 Class 2, ECE R10 and Spec 5 certified

SPEC 5 CERTIFIED | R65 CLASS 2 | R10 EMC | 5YR WARRANTY

HURRICANE LED LIGHTBAR FUNCTIONAL AND EFFECTIVE

The Hurricane LED Lightbar is a cost effective, slimline unit with high quality, UV stabilised polycarbonate lenses in both clear and new transient blue.

Transient blue lenses allow white and red light to shine through without being affected by its colour whilst also maintaining ECE R65 Class 1 status.

- Available 42 inches as standard, other lengths available to order
- Optional alley lights, takedowns and GATSO
- Supplied with rubber mounting feet
- 12 and 24 volt operation
- 3 year warranty
- ECE R65 Class 1 and ECE R10 approved

R65 CLASS 1 | R10 EMC | 3YR WARRANTY

SEE WEBSITE OR SEPARATE PRODUCT CATALOGUES FOR FULL RANGE

EXTENDED WARRANTIES AVAILABLE UP TO 5 YEARS

STANDBY RSG

Mini Lightbars : More effective and economical than two separate beacon

TRAIL BLAZER 2 MINI LIGHTBAR & DIGITAL SIREN FULL SIZE PERFORMANCE

The Trail Blazer 2 incorporates state-of-the-art LED's, digital siren technology and strong magnets/vacuum cups as well as being fully type approved to ECE R10 and DEKRA speed tested to 124 mph (200kph).

The integral multi-tone digital siren has a power rating of 60 watts, but has a dB sound rating equivalent to 80 watts. Three siren tones are projected through an unobtrusive, low profile speaker positioned on the underside of the lightbar.

Super bright LED's including a Gatso module are set to the rear, front and corners of the lightbar creating a full 360° light output.

Illuminated handset controllers offer reliable direct control of the lighting and siren features.

- Super strong magnetic or vacuum mount DEKRA speed tested to 124mph (200kph)
- 3 siren tones - Yelp/Wail, Hi/Lo and Air Horn
- Built-in flash pattern - Double 2Hz left/right split
- Pre-programmed illuminated handset controller
- Available with clear or blue lenses
- 3 year warranty (lightbar only)
- 12 volt operation only
- ECE R10 approved

Dimensions:
60mm (h) x 445mm (w) x 205mm (d)
(not including mounting option)

R10 EMC   3YR WARRANTY

Vacuum Mount

Magnetic Mount

DIAMONDBACK MINI LED LIGHTBAR COMPACT AERODYNAMIC STYLING

A compact yet powerful warning solution that offers the flexibility of either permanent bolt fix or vacuum magnetic mounting complete with cigar plug connector.

- Aerodynamic styling minimises air resistance reducing drag
- Crystal clear, UV stable polycarbonate lenses
- Low power function for night time use
- 23 built-in flash patterns
- 12 and 24 volt operation
- 5 year warranty
- ECE R65 Class 1 and ECE R10 approved

Dimensions:
53mm (h) x 355mm (w) x 205mm (d)

R65 CLASS 1   R10 EMC   5YR WARRANTY

MICROBAR-EX LED MINI LIGHTBAR DISCREET LOW PROFILE DESIGN

The microbar-EX is a compact, low profile mini LED lightbar that houses 14 LED modules totalling 42 super bright, LEDs rated to 100,000 hours of operation.

Flexible mounting options offer permanent bolt fix or magnetic mounting complete with multi-function cigar plug connector.

- Low profile UV stable polycarbonate lenses
- Low power function for night time use
- 24 built-in flash patterns
- 12 and 24 volt operation
- 5 year warranty
- ECE R65 Class 1 and ECE R10 approved

Dimensions:
37mm (h) x 400mm (w) x 172mm (d)

R65 CLASS 2   R10 EMC   5YR WARRANTY

Magnetic Mount

SEE WEBSITE OR SEPARATE PRODUCT CATALOGUES FOR FULL RANGE

EXTENDED WARRANTIES AVAILABLE UP TO 5 YEARS

STANDBY RSG

Warning Lights : The Professionals Choice

L54 LED LAMP

The L54 unit is specifically designed to mount in tight spaces.

Despite a low profile ensuring discreet mounting, it boasts powerful light output from 6 high power LEDs.

- Available as a single lamp or as a kit with 2 lamps
- A range of optional mounting brackets available to order
- 12 volt and 24 volt operation
- 3 year warranty
- ECE R65 Class 2 and ECE R10 approved

COLOURS AVAILABLE:

R65 CLASS 2 ECE R10

L52 LED LAMP

The L52 is a high performance, ultra slimline unit with integral driver.

Available in single colour horizontal or vertical mounted or dual colour horizontal mount only.

- Available as single colour or dual colour modules
- Window shields and mounting brackets available
- 12 volt and 24 volt operation
- 3 year warranty
- ECE R65 Class 2 and ECE R10 approved

COLOURS AVAILABLE:

R65 CLASS 2 ECE R10

Xtreme Slim LED LAMP

The Xtreme Slim is available as a 12-way single or independently switchable dual colour as well as a 6-way version in single colour only.

At only 10mm in height it is inconspicuous when installed yet highly visible in operation.

- Available as a single colour or dual colour (12-way only)
- 12 volt and 24 volt operation
- 5 year warranty
- ECE R65 Class 2 and ECE R10 approved

COLOURS AVAILABLE:

R65 CLASS 2 ECE R10

Mini Stealth - Surface Mount LED LAMP

The horizontal surface mount Mini Stealth is available as a 3-way single colour module or 6-way/12-way single or dual colour modules. 6-way vertical options are also available.

- 6-way dual colour options are independently switchable
- 12 volt and 24 volt operation
- 5 year warranty
- 3-way modules are ECE R65 Class 1, 6 and 12-way modules are ECE R65 Class 2, all versions ECE R10 approved

COLOURS AVAILABLE:

R65 CLASS 1/2 ECE R10

Zephyr LED LAMP

The Zephyr LED lamp is available as a 3-way single colour module or as 6-way and 12-way single or dual colour modules.

- Ultra low profile at under 7mm in height
- 12 volt and 24 volt operation
- 12 month warranty
- 12-way version is ECE R65 class 1, all versions are ECE R10 approved

COLOURS AVAILABLE:

R65 CLASS 1 ECE R10

Edge Saber LED LAMP

The Edge Saber is a slimline LED module that is perfect for installation in the grille and front or rear screen.

Available as a single colour 3-way or 6-way module.

- Adjustable window shields available
- 12 volt and 24 volt operation
- 5 year warranty
- ECE R65 Class 1 and ECE R10 approved

COLOURS AVAILABLE:

HALF SIZE **EDGE DAGGER** AVAILABLE NOW!

R65 CLASS 1 ECE R10

Mini Stealth - Hood Mount LED LAMP

The horizontal hood mount Mini Stealth is available as a 3-way single colour module or as 6-way single or dual colour modules. 6-way vertical options are also available.

- 6-way dual colour options are independently switchable
- 12 volt and 24 volt operation
- 5 year warranty
- All versions are ECE R65 Class 1 and ECE R10 approved

COLOURS AVAILABLE:

R65 CLASS 1 ECE R10

Halo Blitz LED LAMP

Halo Blitz warning lamps have a row of 6 high power LEDs at the centre to act as a flashing warning light and an outer halo of 18 long life LEDs to act as a marker lamp.

- Multiple wiring options to achieve a variety of lighting effects
- 12 volt and 24 volt operation
- 5 year warranty
- ECE R65 Class 1 and ECE R10 approved

COLOURS AVAILABLE:

R65 CLASS 1 ECE R10

Stealth Reg Plate NUMBER PLATE WARNING LIGHT

The Flexible Stealth Reg Plate has a rubber body which allows the unit to follow the contours of car bumper as well as sitting perfectly on a flat bumper.

6-way LED modules set at Split Quad Flash are inset at each end of the unit.

- Mount behind the existing registration plate
- 12 volt and 24 volt operation
- 5 year warranty
- ECE R65 Class 2 and ECE R10 approved

COLOURS AVAILABLE:

NOW AVAILABLE WITH DISCREET **TINTED LENSES!**

R65 CLASS 2 ECE R10

Discreet Warning Lights : Our Most Popular Lines

L88 DISCREET LED LAMP

The L88 is a small, powerful warning light with 4 high power LEDs.

It has a small installation depth and overall size that helps when space is limited.

- Available as a single lamp or as a kit with 2 lamps
- Supplied with rubber mounting grommet
- Optional additional mounting brackets available to order
- 12 volt and 24 volt operation
- 3 year warranty
- ECE R65 Class 2 and ECE R10 approved

COLOURS AVAILABLE:

R65 CLASS 2 ECE R10

Micro Blast DISCREET LED LAMP

The Micro Blast is a small, powerful warning light with 3 high power LEDs.

Micro Blasts have the control unit built in to the module saving on space.

- Available as a single lamp
- Supplied with rubber mounting grommet
- Optional additional mounting brackets available to order
- 12 volt and 24 volt operation
- 5 year warranty
- ECE R65 Class 2 and ECE R10 approved

COLOURS AVAILABLE:

R65 CLASS 1 ECE R10

Micro Burst DISCREET LED LAMP

Micro Burst LED modules are supplied in pairs in single colour or independently switchable dual colour.

Single colour has 4 LEDs per lamp while dual colour have 6 LEDs per lamp.

- Supplied with rubber mounting grommet
- Optional mounting brackets also available
- 12 volt and 24 volt operation
- 5 year warranty
- ECE R65 Class 1 (single colour only) and ECE R10 approved

COLOURS AVAILABLE:

R65 CLASS 1 ECE R10

Pop-a-light COVERT LED LAMP

Pop-a-light covert LED modules are supplied in pairs in single colour or independently switchable dual colour.

- Simply pop into a pre-drilled hole within the vehicle light cluster
- Optional bezel for surface mounting available
- 12 volt operation only
- 5 year warranty
- ECE R10 approved

COLOURS AVAILABLE:

ECE R10

Directional Fend-off COVERT LED LAMP

Directional Fend-off covert LED modules are supplied in pairs in single colour or independently switchable dual colour.

- Mount in a pre-drilled hole within the vehicle light cluster
- Optional bezel for surface mounting available
- Optional lighting shield also available (see below)
- 12 volt operation only
- 5 year warranty
- ECE R10 approved

COLOURS AVAILABLE:

ECE R10

TRI 360° COVERT LED LAMP

TRI 360° covert LED modules are constructed with super-bright LEDs Mounted on 3 sides creating a triangular formation for 360° light output.

- Mount in a pre-drilled hole within the vehicle light cluster
- Sold in pars complete with flasher unit
- Optional bezel for surface mounting available
- 12 volt operation only
- 5 year warranty
- ECE R10 approved

COLOURS AVAILABLE:

ECE R10

Edge Saber Adjustable Shield DISCREET MOUNT

The Edge Saber has two types of adjustable shields for discreetly mounting the 3-way or 6-way modules in within vehicle windows.

The first has 10° adjustability most suited to front windscreens.

The second is adjustable between 35° and 90° and is suitable for rear or side windows.

10° adjustment   35-90° adjustment

Directional Shield DISCREET MOUNT

The Directional Shield utilises the popular Directional Fend-Off covert LED module that has 6 LEDs set at 45° within the module.

Available as a 45° and 30° unit as standard these units can be manufactured in 5° increments to match the vehicle screen angle. This means we can virtually guarantee the light output remains at its optimum level.

L52 Window Shield DISCREET MOUNT

L52 Window Shield was specially developed to mount the L52 Lamp on the inside of the windshield or another window in a vehicle.

The shield is easily mounted with a strong accompanying adhesive tape. The light angle of the lamp can be adjusted in height to obtain an optimum light output.

Available in two sizes to fit many types of vehicles.

Small shield

Large shield

MCS Controller Range

MCS Compact Control Systems : Ideal for simple installs where separate or no siren is required

MCS Compact Control Systems consist of one or two MCS-6E multi-functional control units complete with the appropriate switching option. They are quick and easy to set-up and ideal for installations that do not require a great deal of sophistication. They operate by simply translating the press of a button that in turn activates the associated individual or selection of outputs.

The simplest operation is offered by the MCS-6E working in conjunction with one of the discreet switch options; UNO or UNO Advanced, or, the Multi switch systems. The Mini, Midi and Maxi systems have the ability to be programmed directly via a combination of key pad presses, this not only allows initial set-up to be rapidly achieved, but also quick implementation of any changes that may be required.

Uno Systems SINGLE MOMENTARY CYCLIC SWITCH SOLUTION

The entry level Uno systems have two versions available, the first being the Uno and the second being the Uno Advanced.

The UNO has two outputs per button press while the Uno Advanced has three outputs on the 1st press, two outputs on the 2nd press and an additional handbrake input to inhibit the 2nd press if the handbrake is not applied.

Both systems are supplied complete with a pre-programmed MCS-6E Control Unit and momentary cyclic switch.

Uno Latching System MULTI LATCHING SWITCH SOLUTION

The MCS-6E Mini Control Unit is pre-programmed to accept up to 4 positive inputs and 2 negative inputs via suitable latched low current switches, however, not all have to be used as it depends upon the configuration required.

We have a selection of latching switches available to order, for further advice please contact our technical sales department.

Uno Momentary System MULTI MOMENTARY SWITCH SOLUTION

The MCS-6E Mini Control Unit is pre-programmed to accept up to 4 positive inputs and 2 negative inputs to instigate specific individual or multiple outputs (operations such as 999 Emergency Mode and At Scene) via suitable momentary low current switches, other formats may also be implemented.

We have a selection of momentary switches available to order, for further advice please contact our technical sales department.

MCS Mini System 6 CONTROL OUTPUTS

One MCS-6E Control Unit and a 7 button handset provides 6 individual function buttons and 1 combination button, The combination button can have a multi-function 'HOT' key action depending on the required function. Based upon established tactile switch technology that can be 'user' programmed to suit a wide variety of applications.

They are quick and easy to set-up and ideal for installations that do not require a great deal of sophistication. With the ability to be programmed directly from the handset there is no need for a PC and associated software to configure the control unit.

MCS Midi System 12 CONTROL OUTPUTS

Two MCS-6E Control Units are simply ganged together via a CAN Bus connection to double the systems control capacity. Providing two extra outputs with up to 8 individual or combined functions.

A 9 button handset provides 8 individual function buttons and 1 combination button. Based upon established tactile switch technology that can be 'user' programmed to suit a wide variety of applications.

The combination of two MCS-6E Control Units and a 9 Button Handset has all the features and functions of the MCS-MINI, but due to the increased number of switches and associated outputs it is ideally suited to applications needing more of both these operational facilities.

MCS Maxi System 12 CONTROL OUTPUTS

Two MCS-6E Control Units are simply ganged together via a CAN Bus connection to double the systems control capacity. Providing twice the outputs with up to 12 individual or combined functions.

A 14 button handset provides 12 individual function buttons and 2 combination buttons. Based on established tactile switch technology that can be 'user' programmed to suit a wide variety of applications.

Combining two MCS-6E Control Units and the 14 Button Handset has all the features and functions of the Mini System, but due to the increased number of switches and associated outputs it is ideally suited to applications needing more of both these operational facilities.

MCS Control Systems : The heartbeat and brain of all good installations

MCS Control Units are user programmable devices for managing hazard warning lights and power related functions on Emergency Services vehicles. Standard units incorporate a 100 Watt siren with both UK and European tones. These devices incorporate a host of discrete on/off and various data protocol inputs and outputs to control a wide variety of applications.

The main feature of these devices is their ability to be fully 'user' programmed. Any input or combinations of inputs can be used to control any output or combination of outputs as operationally specified for vehicles used by the Emergency Services. Human machine interface is normally carried out via one of our many multi-Way switch panels or handsets or individual switches.
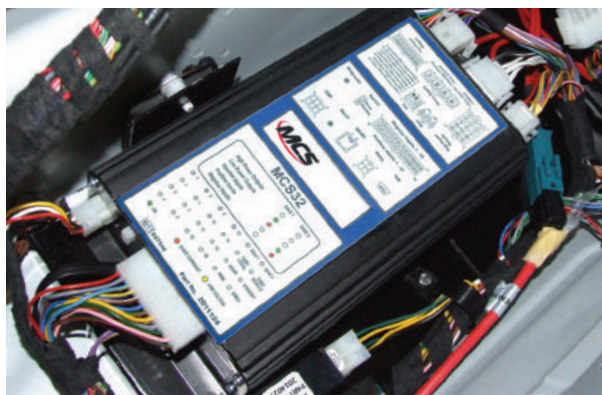
MCS-32 MULTIFUNCTIONAL CONTROL SYSTEM

The MCS-32 Control Unit consists of a main control box which contains everything required to control a vehicle mounted hazard warning system, typically comprising rooftop lighting, secondary hazard warning lights and audio equipment.

It has 32 outputs and 24 configurable inputs with power management functions including run lock, split charging, load shedding and headlight flash, plus many more, some of which may be implemented via the vehicle CAN Bus system. It also includes a logic switch module to facilitate the control of a Gateway radio with voice alerts.

Operate the controller through one of our range of fully compatible hand held or dash mounted switch units and you have an economical hazard warning control system that does not compromise on features or functionality.

System Intelligence
The main control unit is supplied with default settings that will suit a variety of applications, however it can be simply customised to match the end users specific application by plugging in to a laptop/desktop PC and utilising the 'easy to use' complimentary software.

MCS-16 MULTIFUNCTIONAL CONTROL SYSTEM

The MCS-16 Control Unit consists of a main control box which contains everything required to control a 'complete' vehicle mounted hazard warning system, typically comprising of a rooftop lightbar, secondary hazard warning lights and audio equipment.

It has 16 outputs and 16 standard inputs with power management functions including run lock, split charging, load shedding and headlight flash, plus many more, some of which may be implemented via the vehicle CAN Bus system. It also includes a logic switch module to facilitate control of auxiliary add-on devices such as: Gateway Radio Controller, Audio Interface Controller (Intercom with pre-recorded 'voice' alerts) and Fan Controller.

Operate the controller through one of our range of fully compatible hand held or dash mounted switch units and you have an economical hazard warning control system that does not compromise on features and functions.

System Intelligence
The main control unit is supplied with default settings that will suit a variety of applications, however it can be simply customised to match the end users specific application by plugging in to a laptop/desktop PC and utilising the 'easy to use' complimentary software.

MCS-8 MULTIFUNCTIONAL CONTROL SYSTEM

The MCS-8 Control Unit consists of a main control box which contains everything required to control a 'complete but optimised' vehicle mounted hazard warning system, typically comprising of a rooftop lightbar, secondary hazard warning lights and audio equipment. It has 4 high power outputs, 4 dual purpose inputs and medium power outputs and 6 dedicated inputs. It also includes power management functions including run lock, split charging, load shedding and headlight flash, plus many more, some of which may be implemented by listening in to the vehicle CAN Bus system. It also includes a logic switch module to facilitate control of auxiliary add-on devices such as: Gateway Radio Controller, Audio Interface Controller (Intercom with pre-recorded 'voice' alerts) and Fan Controller.

Operate the controller through one of our range of fully compatible hand held or dash mounted switch units and you have an economical hazard warning control system that does not compromise on features and functions.

System Intelligence
The MCS-8 is usually supplied as an unprogrammed unit as free PC software for setting up unique configurations, user manuals and training are available on request. Also once a satisfactory configuration has been created it can be transferred to any number of units by use of a laptop.

MCS Expansion Modules : Our Most Common Devices

MCS-32 Slave Unit EXPAND INPUT & OUTPUT FUNCTIONS OF MCS-32

The MCS-32S Slave Unit is effectively a duplicate of the standard MCS-32 which would act as its 'Master' Control Unit.

The 'Slave' replicates most of the 'Masters' features and functions, but not all, as this is not practical when one device is subordinate to the other.

In brief the Slave unit has 32 outputs and 24 configurable inputs combined with siren functions.

The features not included in this device are: Run Lock, Split Charging, Gateway Radio Controller, PA & Radio Re-broadcast and connection to the Audio Interface Controller.

Operation and monitoring of the 'Slave' Controller is executed through a 2-Way proprietary CAN Bus data link with the 'Master' Control Unit. As the 'Slave' only accepts proprietary CAN there is no direct monitoring of vehicle CAN signals.

MCS-H16 Control Unit HIGH POWERED

The high powered MCS-H16 can be configured for use as a single stand alone master controller or ganged up with other H16 units set up as slaves. Alternatively it can be used as a heavy duty expansion unit alongside a MCS-32, MCS-16 or MCS-8 control unit.

Although the MCS-H16 was primarily designed to be a high powered expansion unit (up to 120 Amps) for use with our popular range of MCS control units it is also extremely effective as a stand alone unit or ganged up with multiple units. This makes it ideal for use in larger installations where system intelligence is provided by an MCS-32, MCS-16 or MCS-8 and system expansion via the MCS-H16.

Units can be supplied either set up as a Master or Slave unit. However, customers will be able to create their own configuration settings, and where for large volume applications Standby RSG can apply this pre-shipping.

MCS-AIC Audio Intercom Controller VOICE ANNOUNCEMENTS

Connect to a MCS-32 to add voice information warning messages as well as create an intercom facility.

A compact audio control unit that can provide automatic announcements and pre-recorded verbal messages and/or provide intercom facilities between persons in vehicles with separate front and rear compartments such as Box Ambulances and Prison Vans. Where the unit can be used either as a stand-alone device or in conjunction with our MCS-32 Control Unit to provide more interactive control with other vehicle functions. As such the device can be set-up in three different modes of operation:

- Pre-recorded Message Announcement in conjunction with MCS-32
- Stand-alone Audio Intercom Controller Kit
- Pre-Recorded Message Announcement and Audio Intercom Controller Kit in conjunction with MCS-32

MCS-5E Load Switch BOOST INPUTS AND OUTPUTS OF MCS DEVICES

A device that can expand the input and output functions of the MCS-32 or use as a stand-alone device to control hazard warning lights, or, link with the MCS-SE 100w Siren to create a basic hazard warning system

The addition of a single MCS-5E Load Switch increases the MCS-32 outputs by 5 and inputs by potentially up to 7.

Up to 8 Load Switches can be added increasing the maximum amount of outputs from 32 to 72 and inputs potentially from 24 to 80.

This device is also ideal as a control hub for basic hazard warning lighting systems. When used in conjunction with a siren it provides a cost effective Emergency Services System.

As well as having 4 operating modes depending upon the application required, it also has two CAN Bus ports to allow multiple units to be linked together and/or linkage to other devices such as switch panels and sirens with CAN Bus connections.

MCS-LBC Lighting Breakout Controllers

Lighting Breakout Controllers are used to expand the input and output functions of a MCS Control Unit.

These devices can be fitted within a lightbar to convert from a multi-wired input to a two wired CAN Bus input, as a light head breakout box to create nodes elsewhere or as a low cost control head to expand MCS systems.

MCS-LBC-10
The LBC-10 takes a CAN Bus encoded signal and converts it into a set of up to 10 conventional on/off (12 volts on and 0 volts off) signals to turn lights and/or other control units on and off.

MCS-LBC-20
The main application of the LBC-20 is to operate as a CAN Bus interface between a MCS Control Unit and any traditionally switched Lightbar via a multi-cored cable (one wire per on/off function).

This device would normally be fitted within the lightbar and as such it only has 4 wired connections (+ve, -ve, CAN High and Low).

MCS CAN Bridge Devices

Modules with unique firmware that provide a link from various MCS devices (typically MCS control units and matrix displays) to either a third party lightbar or a Mobile Data Terminal (MDT). Although common hardware can sometimes be used, each application generally requires a unique firmware solution.

CAN Bridge to Lightbars
Links MCS devices to 3rd Party new and legacy lightbars.

A device that forms a bridge between a MCS CAN Bus connection and a CAN Bus port on another manufacturers lightbar. This is normally achieved by reverse en-gineering the CAN Bus signal originating from within the lightbar.

CAN Bridge to Mobile Data Terminals
Links MCS devices to 3rd Party new and legacy Mobile Data Terminal (MDT) equipment

A device that forms a bridge between a MCS CAN Bus connection and a CAN Bus port on another manufacturers MDT equipment.

- Many devices for standard applications now available

BACKBOARD BUILDING SERVICE NOW AVAILABLE FOR SELECTED COMBINATIONS OF MCS MODULES

Sirens & Speakers
: Where loudness (volume) is dependant upon the loud speakers ability to convert electrical energy (power in Watts) to sound wave pressure measured in decibels (dB's)

The decibel scale, the quietest audible sound (perceived near total silence) is 0 dB. A sound 10 times more powerful is 10 dB. A sound 100 times more powerful than near silence is 20 dB. A sound 1000 times more powerful than near total silence is 30 dB, 40 dB and so on.

200 Watt Digital Siren MCS-DDSA

The MCS-DDSA siren incorporates multi mode functionality. Because it is based on digital technology it can operate in different modes on the same installation by utilising different sets of speakers.

Pumping out 200 Watts of 'real' dB power, unlike other offerings that are rated at 200 Watts as that is how much power they consume rather than how loud they actually are.

It can produce two different siren tones at the same time giving a 'two vehicle' effect via 2 x 100 Watt speakers, or scrolled siren sounds via a 1 x 200 Watt speaker, plus, if required either 'simultaneously or separately' a low frequency rumble sound via 1 or 2 low frequency rumble speakers.

60 Watt Digital Siren MCS-DSA

This 60 Watt Digital Siren can operate either in conjunction with other MCS devices via the on-board CAN Bus interface or as an independent standalone compact device with optional input and output control lines.

MCS-DSA functions and features:

- 12v operation
- Interconnects to related products via proprietary CAN Bus
- Operates via a MCS Multiway Switch Unit or directly via discreet inputs
- Hands free operation via the HRT (Horn Ring Transfer) feature enables scrolling through pre-selected siren tones
- Selectable UK siren sounds with Air/Bull horn option
- Siren active output (ideal as Data Recorder Input)
- City mode volume reduction feature
- On board status LEDs
- Workshop (test) mode volume suppression

100 Watt Siren MCS-SE

Use as a stand-alone device or as part of a blue's and two's system. A compact 100W siren unit which operates at both 12v and 24v and includes a PA facility.

MCS-SE functions and features:

- 12v and 24v operation
- Interconnects to related products via proprietary CAN Bus
- Hands free operation via the HRT (Horn Ring Transfer) enables scrolling through pre-selected siren tones
- Selectable UK and European siren sounds with Air/Bull horn option
- Siren active output (ideal as Data Recorder Input)
- PA & radio re-broadcast facility
- Supports 8 and 11 Ohm speakers
- City mode volume reduction feature
- Workshop mode volume suppression feature for testing

100 Watt Basic Siren MCS-SSA

Use as an economic stand-alone device or as part of a blue's and two's system. A compact 100W siren unit which operates at both 12v and 24v.

MCS-SSA functions and features:

- 12v and 24v operation
- Interconnects to related products via proprietary CAN Bus
- Can be enabled from an input or compatible switch
- Hands free operation via the HRT (Horn Ring Transfer) enables scrolling through pre-selected siren tones
- Selectable UK siren sounds with Air/Bull horn option
- Siren active output (ideal as Data Recorder Input)
- Supports 8 and 11 Ohm speakers
- On board status LEDs
- City mode volume reduction feature
- Workshop mode volume suppression feature for testing

200 Watt Round Speaker - Digital LSP-204

Our most powerful speaker designed to operate in conjunction with a 200 Watt siren and PA amplifier.

- 200W output power rating
- 4 Ohms impedance
- Suitable for 200 Watt siren and/or PA operation
- Strong cast metal housing and formed metal cowl
- Heavy duty metal mounting bracket
- Powder coated to prevent rusting

100 Watt Low Frequency Speaker LSP-108

Designed to take full advantage of the low frequency rumble tone function available from our 200 Watt Digital Siren (MCS-DDSA).

The speaker utilises the 'ground effect' producing penetrating/vibrating low-frequency sound waves that can be physically felt. Highly effective in dense urban environments with heavy vehicle traffic, clearing traffic more effectively than a standard siren tone.

This unit can be used independently or simultaneously with other siren speakers to produce multiple tones.

100 Watt Round Speaker LSP-210-01

Our 100w Round Speaker features a cast metal housing with formed metal cowl and is powder coated to prevent rusting.

It has a 127dB(A) output at 1 metre and is suitable for 60w or 100w operation.

- 8 Ohms impedance
- Suitable for 60 watt and 100 watt siren operation
- Cast metal housing and formed meta cowl
- Strong construction designed to withstand knocks and bumps
- Heavy duty metal mounting bracket
- Powder coated paint to prevent rusting

Flexi-tube Siren Extension 11-1023

The Flexi-tube Speaker extension consists of a tubular, moulded plastic sound pipe that directs the sound to the front of the vehicle without compromising the quality or pitch of the siren tones.

It directly replaces the speaker cowl of our LSP-210 and LSP-204 speakers as well as other standard round speakers.

Supplied complete with 1 metre of flexible hose that can be trimmed to an alternative length if required and all necessary clamps for easy installation. Extra hose can be procured separately if required.

MCS Switch Options

We have a variety of switch options with a minimum of 5 to a maximum of 16 individual buttons. Handsets have a built-in microphone and push to talk (PTT) if required. Audio output for surface/flush mounted units would be achieved via a hand held microphone with a PTT switch. We now also have a range of switch panels with a cast aluminium surround as well as a touch screen control panel.

T8 Mini Switch Unit UNI-MIN

Our standard T8 Mini Switch Unit consists of 8 small buttons or 7 buttons (six small and one double) with the appropriate legend and key colour, however, combining 2 small buttons to make 1 large button the unit can have as few as 4 buttons if required.

Additionally any button can be programmed for use as PTT (Push To Talk) when activating the built-in microphone.

- Small buttons can have dual function increasing versatility
- Button colours are defined by the LED back light

Dimensions:
111mm (h)
56mm (w)
19mm (d)

T10 Midi Switch Unit UNI-MID

Our standard T10 Midi Switch Unit consists of 10 small buttons, 9 buttons (8 small and one double) or 8 buttons (6 small and 2 double) with the appropriate legend and key colour, however, combining 2 small buttons to make 1 large button the unit can have as few as 5 buttons if required.

Additionally any button can be programmed for use as PTT (Push To Talk) when activating the built-in microphone.

- Small buttons can have dual function increasing versatility
- Button colours are defined by the LED back light

Dimensions:
146.5mm (h)
56mm (w)
19mm (d)

T16 MaxiPlus Switch Unit UNI-MHX

Our upgraded T16 Switch Unit has a rigid plastic fascia grid that is secured with 2 small screws vastly improving button definition as well as making it easy for the user to replace/update legends.

The switch unit is also available with an optional sun visor to protect the buttons from glare when mounted horizontally.

The unit is available with 16 small buttons, 15 buttons (14 small and one double) or 14 buttons (12 small and 2 double) with the appropriate legend and key colour as standard. Any button can be programmed for use as PTT.

Dimensions:
153mm (h)
51mm (w)
20mm (d)

T17 Handset UNI-HAP

The T17 is a 16 button handset consisting of 12 individual function buttons, 2 special buttons (Clear All and Walk Test) and 2 combination buttons based upon established tactile switch technology that can be 'user' programmed to suit a wide variety of applications.

This switch unit is designed to be mounted adjacent to the vehicle centre console via a microphone type clip and bracket. A flexible, removable, non-slip, protective rubber surround encases the unit resulting in a robust, hard wearing, professional switch solution.

Dimensions:
162mm (h)
71mm (w)
19.5mm (d)

F14 Maxi Switch Unit UNI-MAX

The MCS-F14 is available as a 14-Way and 13-Way DIN/Flush mount switch unit as standard.

The Maxi switch unit has 3 versions available which consist of a 14 small button version or a 14 button version with 12 small and 2 large buttons and a 13 button version with 12 small buttons and 1 double button, with appropriate legend and key colour. However, by combining 2 small buttons to make one large button it can have as few as 7 buttons if required.

The unit is designed to be set into the vehicle dashboard via a radio DIN slot or mounted directly onto the dash.

Dimensions:
176mm (w)
46mm (h)
14.6mm (d)

F16 MaxiPlus Switch Unit UNI-MXF

The MCS-F16 is available as a 16-Way and 15-Way DIN/Flush mount switch unit as standard.

The MaxiPlus switch unit has 2 versions available which consist of a 16 small button version or a 15 button version with 14 small and 1 double button, with appropriate legend and key colour. However, by combining 2 small buttons to make one large button it can have as few as 8 buttons if required.

The unit is designed to be set into the vehicle dashboard via a radio DIN slot or mounted directly onto the dash.

Dimensions:
176mm (w)
46mm (h)
14.6mm (d)

F5 Slimline Switch Units

The single F5 Slimline Switch Unit was developed to sit alongside an MDT unit. While the dual and triple versions are designed to sit at the top of the dash board.

F5 Single Switch Units:
Consist of 5 buttons (5 small or 4 small and one large) and can be formatted vertically or horizontally as required.

This switch unit was primarily designed for permanent mounting on the dashboard, however it is now supplied complete with a rubber shroud that effectively allows the unit to be used as a handset.

F5D Dual Switch Units:
The F5D Dual Switch unit consist of 10 buttons (8 small or 2 large). This unit is mounted in an appropriate place, ideally above the radio DIN slot or on top of the dashboard.

F5T Triple Switch Units:
The F5D Dual Switch unit consist of 15 buttons (13 small or 2 large). This unit is usually mounted on top of the dash.

Dimensions:

F5	F5D	F5T
124mm (w)	248mm (w)	385mm (w)
32mm (h)	32mm (h)	32mm (h)
14.6mm (d)	14.6mm (d)	14.6mm (d)

T8A Mini Switch Panel UNI-MNT

The T8A Mini Switch Panel is based on the popular T8 Handset. This version was developed to be set into the vehicle dash or panelling.

This unit has a black cast aluminium casing for a long lasting, hard wearing switch solution.

This switch unit has 8 small dual function buttons with appropriate legends and key colours.

Public address would be implemented via a separate hand held microphone with integral PTT switch.

Dimensions:
15mm (h)
120mm (w)
68mm (d)

P12 Switch Panel UNI-MDP

The P12 Switch Panel was developed to be set into the vehicle dash or panelling of larger emergency services vehicles, such as fire appliances.

This switch unit has 12 large dual function buttons that are approximately 25% larger than those on a standard switch unit, with appropriate legends and key colours.

The switch unit has a black cast aluminium casing for a long lasting, hard wearing switch solution.

Public address would be implemented via a separate hand held microphone with integral PTT switch.

Dimensions:
17mm (h)
204mm (w)
73mm (d)

T16A Switch Panel UNI-MXT

The T16A Switch Panel is based on the popular T16 Handset. This version was developed to be set into the vehicle dash or panelling.

This unit has a black cast aluminium casing for a long lasting, hard wearing switch solution.

This switch unit has 16 small dual function buttons with appropriate legends and key colours.

Public address would be implemented via a separate hand held microphone with integral PTT switch.

Dimensions:
15mm (h)
160mm (w)
68mm (d)

P16 Switch Panel UNI-MXP

The P16 Switch Panel was developed to be set into the vehicle dash or panelling of larger emergency services vehicles, such as fire appliances.

This switch unit has 16 large dual function buttons that are approximately 25% larger than those on a standard switch unit, with appropriate legends and key colours.

The switch unit has a cast aluminium casing for a long lasting, hard wearing switch solution.

Public address would be implemented via a separate hand held microphone with integral PTT switch.

Dimensions:
17mm (h)
255mm (w)
73mm (d)

MCS-TSC Touch Screen Controller UNI-TSC

The MCS Touch Screen Controller is a Hi-Tech alternative to traditional MCS switch panel solutions giving users direct control over their switch function requirements.

Along with the intuitive touch screen there are 4 built-in direct access buttons for all primary functions.

As this is not currently and out of the box solution, Standby RSG will need to create specific firmware to meet precise end user applications.

When the touch screen is initially powered up the most commonly required screen will appear.

As the operational concept of the Touch Screen Display is based on having a unique screen layout each layer can be assigned a level of importance.

Typical Applications Include:
• Switch Panel Screen - Blue's and Two's
• Battery Monitoring Screen
• Dog Kennel Monitoring Screen
• Prisoner Cell Temperature Screen
• Walk Test Screen
• Locker Check Screen
• Pre-Drive Check Screen

The Touch Screen is normally used in conjunction with the MCS-32, MCS-16 and MCS-8 control units. It can however be formatted for use with other complimentary devices such as the Traffic Commander Programmable Matrix Display and the LSP-204 Digital Siren Amplifier.

CARAT Switch System

CARAT
Integrated
Volvo Car Switch
Solution

Integrated Volvo Car Switch System

The CARAT (Car Advanced Technology) system was developed to interface the control of external hazard warning equipment to the Volvo touch screen thereby eliminating the need for additional retro fitted buttons, switches and panels that would normally clutter up the dashboard. A version will also be available an additional screen will allow control of our popular Traffic Commander LED Matrix Display.

The driver simply double presses the home button at the bottom of the touchscreen display to switch from the standard Volvo infotainment screen to the hazard warning equipment control display.

The single solution CMP300 Graphics Management Device combines with a CSDS (Center Stack Display Switch) switching device to connect directly to the Volvo Infotainment system.

Utilising industry standard single solution computer and automotive compliant graphic signal manipulation technology the CMP300 and CSDS offer a complete stand-alone switch solution that is displayed on the Volvo touch screen via the factory fitted OEM infotainment system.

CARAT Stand-a-Lone System for Integrated Volvo Car Switch Solution

The Center Stack Display Switch (CSDS) is a completely unique and long-awaited product that makes it possible to link to and operate the vehicle OEM display via a Standby CMP300 Graphics Management Device in conjunction with our well established range of MCS control units. Standard vehicle information is replaced with either Standby produced icons or words or a combination of both of these to control and monitor auxiliary equipment installed post vehicle manufacture.

The CSDS device is also available separately so 3rd party developers can combine with their own in-car PC that has spare processing capacity to generate the graphics and switch Icons to display meaningful information on the Volvo OEM infotainment screen.

The system has recently been expanded to combine Blue Lights and Siren Control with the Traffic Commander LED Matrix Display. A Standby RSG exclusive offering to control both Blue Lights, Siren and/or LED Matrix Display via the CARAT system – the ideal solution for both marked and unmarked emergency services vehicles.

Benefits
- Discreet control of hazard warning equipment
- A unique solution that is integrated into Volvo's infotainment system
- Provides a discreet and clean driver environment
- With a double tap on the home button, you can access the car's special functions

The CARAT and CSDS was developed by the Standby Group with Volvo and fits all 60 and 90 series from 2019 and new 40 series vehicles.

For further information please contact our Technical Department or request a full information pack.
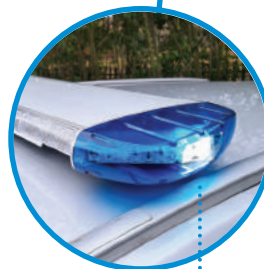
CMP300
Graphics Management Device

MCS
Control Unit

CSDS
Center Stack Display Switch

Hazard Warning
Lighting Equipment

OEM
Factory Fitted Infotainment System

999 Arrival

STANDBY RSG

Traffic Commander : Large scale format facilitates long distance viewing

Programmable LED Matrix Display

The Traffic Commander LED Matrix Display has two distinct versions available. The first is a flip down/up device that is simply programmed and rotated to suit its location and is ideal for covert use with the second being a fixed unit.

The LED text panel consists of 288 next generation Amber LEDs with 6 character static capacity and scrolling function for longer messages.

The kit includes free message editing software and a hand held controller with easy to use function buttons and rubber surround.

- Over 2000 characters/100 words can be stored
- Available flip down, flip up and fixed
- Message editing software - programme your own choice of messages as well as font size and background display
- Large display controller with rubber surround
- Unique preview feature for easy message selection
- Open/close protection control
- Dimming feature - side light connection 50% as standard
- Corrosion resistant, powder coated aluminium and stainless steel construction
- 12/24v operation
- 12 month warranty

Standby RSG's ethos is to continually adapt and improve our product range.

Software has been developed that will allow the CARAT Volvo switch solution (shown opposite) to control the Traffic Commander directly from the Volvo touch screen.