

# GRAND<sup>®</sup>

An ISO 9001 : 2015 Certified Company

**Emergency Vehicle Warning Products**

**Multicolour Red White Blue LED Lights**

**Highway Audio Visual Warning and Safety Products**

**Ambulance AIS 125 Lights & Siren Systems**



**“44 YEARS OF INNOVATION \* RELIABILITY \* EXCELLENCE & TRUST”**

# Emergency Vehicle Warning Products

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**NEW RED WHITE BLUE SERIES**

## LED LIGHT BARS

**3 year Warranty**

**Ef-2 Series** : - Each Module Consists of 31 LED's with Built-in Reflectors Special Lens to increase the Light intensity of Super Bright LED's.



**Ef-2 30RWB**  
Length - 750 mm | Width - 275 mm | Height - 116 mm



**Ef-2 22 M RBW**  
Length - 567 mm | Width - 275 mm | Height - 116 mm



**Ef-2 14 M RBW**  
Length - 360 mm | Width - 275 mm | Height - 116 mm



**Ef-2 32S RWB WM**  
Length - 815 mm | Width - 310 mm | Height - 160 mm



**Ef-2 32S RWB**  
Length - 790 mm | Width - 275 mm | Height - 116 mm



**Ef-2 24S RBW**  
Length - 585 mm | Width - 275 mm | Height - 116 mm



**Ef-2 47S RWB**  
Length - 1200 mm | Width - 275 mm | Height - 116 mm



**Ef-2 42S RWB**  
Length - 1080 mm | Width - 275 mm | Height - 116 mm



**Ef-2 42S AA**  
Length - 1080 mm | Width - 275 mm | Height - 116 mm

**Ef-2 Slim Series** : - Each Module Consists of 31 LED's with Built-in Reflectors Special Lens to increase the Light intensity of Super Bright LED's.



**Ef-2 Slim-10 (RR/BB)**  
Length - 255 mm | Width - 105 mm | Height - 85 mm



**Ef-2 Slim-12M (RB / RWB / BB)**  
Length - 325 mm | Width - 105 mm | Height - 85 mm



**Ef-2 Slim-32 (RB / RWB)**  
Length - 800 mm | Width - 105 mm | Height - 85 mm



**Ef-2 Slim-40 (RB / RWB)**  
Length - 1015 mm | Width - 105 mm | Height - 85 mm

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## LED LIGHT BARS

**NEW RED WHITE BLUE SERIES**

**3 year Warranty**

**Ef One Series** :- GEN III FLASHING LED Modules in Mufti Colour Sharply Define the parameter of the emergency / police vehicle giving the driver an added margin of Safety. Each Flashing LED Module have three Hi-Power GEN III 1 watt LED's with special Lenses.



**Ef-One 8 M RBW**  
Length - 222 mm | Width - 220 mm | Height - 50 mm



**Ef-One 10 M RBW**  
Length - 266 mm | Width - 220 mm | Height - 50 mm



**Ef-One 14 M RBW**  
Length - 342 mm | Width - 220 mm | Height - 50 mm



**Ef-One 17 M RBW**  
Length - 434 mm | Width - 220 mm | Height - 50 mm



**Ef-One 30 RBW**  
Length - 780 mm | Width - 220 mm | Height - 50 mm



**Ef-One 22 M RBW**  
Length - 560 mm | Width - 220 mm | Height - 50 mm



**Ef-One 39 RBW DP**  
Length - 990 mm | Width - 220 mm | Height - 50 mm

### SLEEK LED LIGHT BAR Ef One 14 M



- \* Hi Power LED powered Thin Light Bar (1 watt Powerful LED's)
- \* Powerful Magnetic Mount
- \* Input Voltage 12V DC
- \* Eye Catching Flashing Pattern
- \* Visible in Daylight also

### SLEEK LED LIGHT BAR Ef One 22 M AMBER



- \* Hi Power LED powered Thin Light Bar (1 watt Powerful LED's)
- \* Powerful Magnetic Mount
- \* Input Voltage 12V DC
- \* Eye Catching Flashing Pattern
- \* Visible in Daylight also

### SLEEK LED LIGHT BAR Ef One 22 M BLUE



- \* Hi Power LED powered Thin Light Bar (1 watt Powerful LED's)
- \* Powerful Magnetic Mount
- \* Input Voltage 12V DC
- \* Eye Catching Flashing Pattern
- \* Visible in Daylight also

### SLEEK LED LIGHT BAR Ef One 39 DP



- \* Hi Power LED powered Thin Light Bar (1 watt Powerful LED's)
- \* With Special Thin Glass Reinforced Plastic Mounting
- \* With Dual Side Police Sign Board
- \* Special Night Flashing for PCR Vehicles with Both Side Red LED's, Where as Red and Blue when in Pursuit or Chase
- \* Visible in Daylight also

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## SIREN / SPEAKER / PA AMPLIFIER



GES-30/30AL



GES-20



GES - 40



GEH - 30



GUH-60



GUH-30P



GUH-20P



GUH-40/40AL



GUH-40PS



GUH-40P



GPA-300USB Digital



GPA-300 Digital



GPA-40BL/80BL Digital

### SLEEK PA AMPLIFIER GPA 80 BLM



- \* Hi Power 80 Watt
- \* Smallest 80 Watt Amplifier in the world



GPA-50BL



Pursuitlite

### HI POWER PA AMPLIFIER GPA-200



- \* 200 Watts Hi Power (1000 Watts PMPO)
- \* Cordless Mic System

### PA AMPLIFIER GPA 300



- \* 60, 80 and 100 Watts Options
- \* Full Featured Siren System
- \* Siren Override Microphone
- \* 5 Tones Sirens



## BELLBIRD Series ELECTRONIC SIRENS



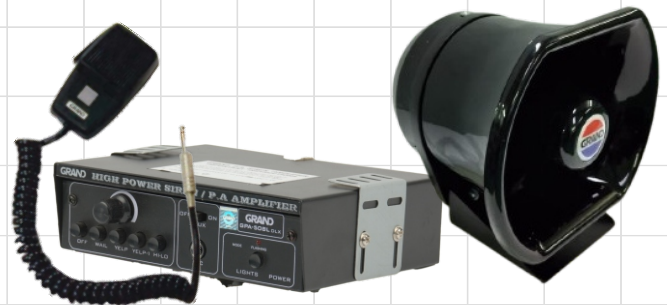
**BBG 40 BellBird Siren**



**BBG 50 BellBird Siren**



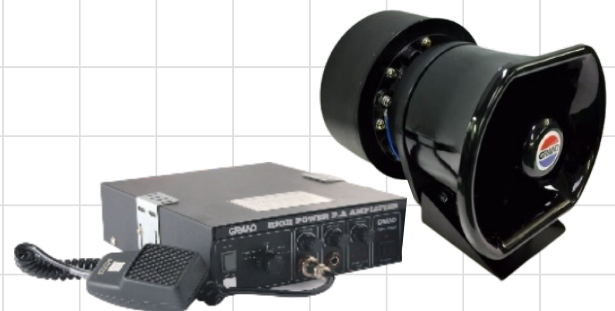
**BBG 40 PA**



**BBG 50 PA**



**BBG 100 PA**



**BBG 200 PA**



**BBG 400 PA Split**





# Emergency Vehicle Warning Products

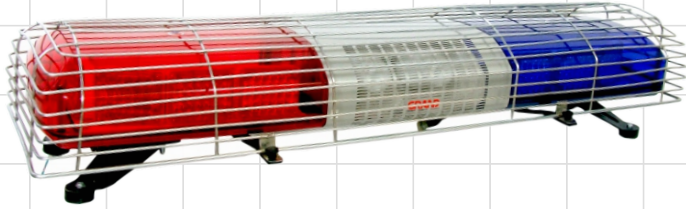
“44 YEARS OF INNOVATION \* RELIABILITY \* EXCELLENCE & TRUST”

# GRAND<sup>®</sup>

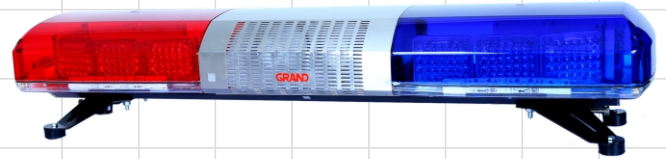
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## MARSVOICE & COMETVOICE SERIES

### Marsvoice Series II (Patented Design )



Marsvoice series-II Super LED RBW WM



Marsvoice series-II Super LED RBW



Marsvoice series-II Super LED AA



- Marsvoice series-II Super LED RBWC with
- LED Sign Board
  - Side Work Light
  - Revolvnig Night Mode



Front View



Back View

### Cometvoice

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## REVOLVING & FLASHING LIGHTS



GM101M6LRWB



GM101M4L RWB



GM-103



GM-109



GM-101 M



GM-101



LED Flashing Light  
31L, 4L, 6L, 9L



LED POLE LIGHT



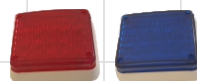
LED Flashing Light GM-901



LED Flashing Light GM-108



LED Flashing Light  
31L, 4L, 6L, 9L



LED FLASHING LIGHT 20L



LED FLASHING LIGHT 28L



LED FLASHING LIGHT 1L4



# GRAND® Ambulance LED Lights AIS 125

## LED Light Bar



**Ef-2 42S 4L**

Length : 1080mm    Input Voltage : 12V DC  
 Width : 275mm    Current Drain : 3Amp  
 Height : 116mm



**Ef-2 32S 4L**

Length : 790mm    Input Voltage : 12V DC  
 Width : 275mm    Current Drain : 3Amp  
 Height : 116mm



**Ef-2 24S 4L**

Length : 585mm    Input Voltage : 12V DC  
 Width : 275mm    Current Drain : 3Amp  
 Height : 116mm



**Marsvoice Series-II 4L**

Length : 1110mm    Input Voltage : 12V DC  
 Width : 270mm    Current Drain : 2.2Amp  
 Height : 115mm

## LED Flashing & Work Light



**4L**  
 Light Sources : Bright 4 LED's  
 Colour : Red, Blue & Amber  
 Inner/ Front Lens : Clear Poly Carbonate  
 Back Cover : ABS White  
 Size : 95x77x33mm



**6L**  
 Light Sources : Bright 6 LED's  
 Colour : Red, Blue & Amber  
 Inner/ Front Lens : Clear Poly Carbonate  
 Back Cover : ABS White  
 Size : 95x77x33mm



**9L Dual**  
 Light Sources : Bright 9 LED's  
 Colour : Red Blue  
 Inner/ Front Lens : Clear Poly Carbonate  
 Back Cover : ABS White  
 Size : 95x77x33mm



**4L W**  
 Light Sources : Bright 4 LED's  
 Colour : White  
 Inner/ Front Lens : Clear Poly Carbonate  
 Back Cover : ABS White  
 Size : 95x77x33mm



**Dash Board Light**

Light Source : 2 LED Modules  
 of 4 Bright LED'S  
 in each rectangle box  
 Colour : Red & Blue  
 Back Cover : ABS Black  
 Size : 157 x 196x82 mm



**4L, 3L Slim Light**

Light Source : Bright 4, 3 LED'S 3Watt  
 dual each in rectangle  
 body with Lens  
 Colour : Multi Colour (Red & Blue)  
 Inner/Front  
 Lens : Clear Poly Carbonate  
 Back Cover : ABS White  
 LED'S : Super Bright 3 Watt

# GRAND® Ambulance PA Siren, Amplifier & AIS 125

## PA Amplifier



**GPA 300**

### HORN / SIREN PADDLE SWITCH

- Manual Siren : Peak and Hold Siren may be activated by Down Position.
- Horn : Electronic Air Horn sound activated by up position
- Power : 40, 60, 80W MAX
- Voltage : 12V to 13.25 V
- Impedance SPL : 111 db to 119 db (Depending upon tones selected) (As per AIS 125 Standards.) at one meter



**GPA 50 BL DLX**

### SPECIFICATIONS

- Power Output : 35 Watts @ 8Ω, 50 Watts Max at 4Ω
- Input Channels : One Mic, One Aux.
- Frequency Response : 100 Hz -10000 Hz±3dB
- S/N Ratio : 60 dB
- Speaker Output : 8 Ω
- Current Drain : 4 Amp
- Dimension : L -180 X H-53 X W -153 mm



**GPA 100 USB**

### HORN / SIREN PADDLE SWITCH

- Switch of Light Bar : 1. Light Bar On/off  
2. Mode Change of Light Bar  
\* Night Mode: RWB Side Flashing only  
\* Alternate Flash: Front & Back Flashing
- SidePower : 30 W
- Voltage : 12V to 13.25 V
- Current Drain : 2.5 Amp
- Impedance : 8 Ω
- USB & SD Card : For Recording & Play Back.



**Pursuit Lite Amplifier**

### SPECIFICATIONS

- Power output : 30 Watts(Max)
- Siren : Three Siren Tones  
1. Wail 2. Yelp
- Microphone : One Mic Input
- Switch : 1. One for Lights 2. One for Sirens.
- Volume Control : One Volume Control for siren / Mic. Vol.
- Dimensions : Height: 48 mm  
Width:157 mm  
Depth:125 mm



### MEGA PHONE GM 20 S



- \* 20 Watts Dual Mic use Megaphone
- \* With Siren
- \* Noise Cancellation Microphone
- \* 8 UM 3 Cells
- \* Shoulder Hang and Pistol grip type

### HI POWER MEGAPHONE WL-100



- \* Portable Cordless
- \* Mic Megaphone
- \* 100 Watts
- \* Audible Upto 1 KM
- \* Loud and Clear Sound

### DUAL HIGHWAY FLASHER GHFS 2143



- \* High Bright Dual Led Solar Flasher
- \* Visibility 1.5 Kms

### LED LIGHT BAR WITH MOVING SIGN BOARD



### HIGHWAY LED SIGN



\* Rust Proof Fiber Glass Body



\* Unique Design



\* Polycarbonate Front and Rear Glass

\* High Bright LED's

The Beginning.....

Celebrating 44 years of Innovation, Reliability, Excellence and Trust.

**GRAND** is an ever-evolving saga of success, written in Bold letters by Perfectionists always pushing past the possible. Scorching new bench marks in standardization of products, services and technology. Since inception, superlative production values stemming from **GRAND** commitment to superior quality in Emergency Vehicle Warning Products & Public Address System as well as inventiveness earned us Global Acclaim. Self imposed exacting ISO 9001 Compliant Quality Controls have inked us the distinction of being the Quality Manufacturer of Warning Products in India. **"WE BUILD PRODUCTS AS IF SOMEONE'S LIFE DEPENDS ON IT."**

IJS Electronics An ISO 9001:2015 Accredited Company was started in 1981 by S. Indarjit Singh who after 35 years of Partnership with AHUJA Set up this manufacturing Unit to Manufacture World class Public Address Systems. In 1988 Thru' Innovation, Engineering Excellence under the steward ship of his son Jaspaal Singh Chhabra the concept of Emergency Light Bars cum PA/SIREN System was launched for the first time in India. This concept was expanded to create a complete range of Emergency Vehicle Warning Products for the Police, Public Safety Departments & Ambulances. These are being Manufactured at our well-equipped 20,000 sq. ft. factories at Delhi & Noida.

**GRAND** is trusted by many as a keeper of other's trust. Starting from the President of India, Prime Minister Office to Cabinet Ministers, State CM's, VVIP's VIP's to Major Police/ FIRE/ Ambulance Departments of Government & Private Hospital throughout India use **GRAND** Products. These are being used by OEM's like Maruti Udyog Ltd., Hindustan Motors, Ashok Leyland, Tata Motors, Force Motors for their AIS 125 Ambulances, Police and Defense Vehicles & Royal Enfield, Hero Honda, Bajaj for Police Motorcycle Systems.

Having an Experience of More than 44 years of Innovation, Reliability and Excellence in developing new technology and in the process we hold many patents on unique designs for Light Bars, Flashing & Revolving Lights etc.

Due to the High Reliability and Excellent Manufacturing Techniques, Zero Defect/ Nil failure rate under Warranty period, we gave warranties from 1 year to 5 years depending upon the models of Light Bars/PA System.

We at **GRAND** are excited to share with you the limitless dimensions of **GRAND** Evolution through Innovation

Our Mission:

**"TO MAKE LIFE SAFER FOR THOSE WHO SAVE LIVES."**

**GRAND**<sup>®</sup>

**IJS ELECTRONICS**

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