

ChromaRange™ ~ ChromaZone™

CAUTION
 TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT OPEN THIS APPLIANCE TO RAIN OR MOISTURE

100-240V~
 50-60HZ
 150W MAX

MAINS
 FUSE
 5x20MM

ON-1
 OFF-0

ChromaZone
PULSAR

SERIAL NO.

MADE IN EUROPE BY:
 PULSAR LIGHT OF COVENTRY LTD.,
 5 COLDHAMS BUSINESS PARK,
 NORMAN WAY, STAMFORD, LEAMINGDON, LEICESTERSHIRE, LE19 2JN, UK.

EN6 DIRECTIVE
 BS/536/REC
 LOW VOLTAGE DIRECTIVE
 73/23/EEC

CONFORMS TO:
 ANSI/UL STD. 6500
 CERT. TO:
 CAN/CSA-E60085-00

CE **UL** **3048422**

RECEIVING DMX/PMX MODE

| | | |
|--|--|--|
| 9 CHANNEL MODE 4 5 6 7 8 9 10 11 | 6 CHANNEL MODE 4 5 6 7 8 9 10 11 | 36 CHANNEL MODE 4 5 6 7 8 9 10 11 |
| CHANNEL ASSIGNMENTS 1 ALL RED 2 ALL GREEN 3 ALL BLUE 4 CHASE1 SELECT (SEE TABLE) 5 CHASE1 SPEED 6 CHASE2 SELECT (SEE TABLE) 7 CHASE2 SPEED 8 CHASE2 LEVEL 9 CHASE2 LEVEL | CHANNEL ASSIGNMENTS 1 ALL RED 2 ALL GREEN 3 ALL BLUE 4 CHASE1 SELECT (SEE TABLE) 5 CHASE1 SPEED 6 CHASE2 SELECT (SEE TABLE) 7 CHASE2 SPEED 8 CHASE2 LEVEL 9 CHASE2 LEVEL | CHANNEL ASSIGNMENTS 1 OUTPUT 1 RED 2 OUTPUT 1 GREEN 3 OUTPUT 1 BLUE 4 OUTPUT 2 RED 5 OUTPUT 2 GREEN 6 OUTPUT 2 BLUE 7 OUTPUT 3 RED 8 OUTPUT 3 GREEN 9 OUTPUT 3 BLUE 10 OUTPUT 4 RED 11 OUTPUT 4 GREEN 12 OUTPUT 4 BLUE 13 OUTPUT 5 RED 14 OUTPUT 5 GREEN 15 OUTPUT 5 BLUE 16 OUTPUT 6 RED 17 OUTPUT 6 GREEN 18 OUTPUT 6 BLUE 19 OUTPUT 7 RED 20 OUTPUT 7 GREEN 21 OUTPUT 7 BLUE 22 OUTPUT 8 RED 23 OUTPUT 8 GREEN 24 OUTPUT 8 BLUE 25 OUTPUT 9 RED 26 OUTPUT 9 GREEN 27 OUTPUT 9 BLUE 28 OUTPUT 10 RED 29 OUTPUT 10 GREEN 30 OUTPUT 10 BLUE 31 OUTPUT 11 RED 32 OUTPUT 11 GREEN 33 OUTPUT 11 BLUE 34 OUTPUT 12 RED 35 OUTPUT 12 GREEN 36 OUTPUT 12 BLUE |

46 CHANNEL MODE
 4 5 6 7 8 9 10 11

42 CHANNEL MODE
 4 5 6 7 8 9 10 11

4 CHANNEL MODE
 4 5 6 7 8 9 10 11

CHASING ASSIGNMENTS
 1-9 AS 9 CHANNEL ABOVE
 10 GRAND MASTER FOR 11-46
 11 OUTPUT 1 RED
 12 OUTPUT 1 GREEN
 13 OUTPUT 1 BLUE
 14 OUTPUT 2 RED
 15 OUTPUT 2 GREEN
 16 OUTPUT 2 BLUE
 17 OUTPUT 3 RED
 18 OUTPUT 3 GREEN
 19 OUTPUT 3 BLUE
 20 OUTPUT 4 RED
 21 OUTPUT 4 GREEN
 22 OUTPUT 4 BLUE
 23 OUTPUT 5 RED
 24 OUTPUT 5 GREEN
 25 OUTPUT 5 BLUE
 26 OUTPUT 6 RED
 27 OUTPUT 6 GREEN
 28 OUTPUT 6 BLUE
 29 OUTPUT 7 RED
 30 OUTPUT 7 GREEN
 31 OUTPUT 7 BLUE
 32 OUTPUT 8 RED
 33 OUTPUT 8 GREEN
 34 OUTPUT 8 BLUE
 35 OUTPUT 9 RED
 36 OUTPUT 9 GREEN
 37 OUTPUT 9 BLUE
 38 OUTPUT 10 RED
 39 OUTPUT 10 GREEN
 40 OUTPUT 10 BLUE
 41 OUTPUT 11 RED
 42 OUTPUT 11 GREEN
 43 OUTPUT 11 BLUE
 44 OUTPUT 12 RED
 45 OUTPUT 12 GREEN
 46 OUTPUT 12 BLUE

LOW VOLTAGE SUPPLY
 1 2 3 4 5 6 7 8

DISABLE INPUT SMOOTHING (FOR FAST VIDEO/GRAPHIC USE)
 4 5 6 7 8

DIL SWITCH SELECT FOR STAND ALONE (NO SIGNAL) MODE
 CH.4 AND CH.7 INPUT FOR CHASE SELECT IN SIGNAL MODE

| CHASE NO. | CH.4 | CH.7 | INPUT |
|-----------|------|------|--|
| 15 | 100% | 96% | AUTO PHASE |
| 14 | 92% | 88% | GREEN YELLOW RED BAR GRAPH REV |
| 13 | 84% | 80% | GREEN YELLOW RED BAR GRAPH FWD |
| 12 | 76% | 72% | RANDOM STROBE |
| 11 | 68% | 64% | WHITE/ANY COLOR CROSSOVER |
| 10 | 60% | 56% | BLUE-YELLOW HAZE REV |
| 9 | 52% | 48% | BLUE-YELLOW HAZE FWD |
| 8 | 44% | 40% | GREEN-MAGENTA HAZE REV |
| 7 | 36% | 32% | GREEN-MAGENTA HAZE FWD |
| 6 | 28% | 24% | RED-CYAN / ANY COL-OPPOSITE COL HAZE REV |
| 5 | 20% | 16% | RED-CYAN / ANY COL-OPPOSITE COL HAZE FWD |
| 4 | 12% | 8% | BLACK-WHITE/ANY COLOR HAZE REV |
| 3 | 4% | 0% | BLACK-WHITE/ANY COLOR HAZE FWD |
| 2 | 0% | 0% | RANDOM COLOURS |
| 1 | 0% | 0% | RANDOM COLOURS |
| 0 | 0% | 0% | RANDOM COLOURS |

CHASE DESCRIPTION TABLE

| | | | | | | | |
|---------|-------|---------|--------|--------|--------|---------|---------|
| 0.5 SEC | 1 SEC | 1.5 SEC | 2 SECS | 3 SECS | 5 SECS | 10 SECS | 20 SECS |
| 0.5 SEC | 1 SEC | 1.5 SEC | 2 SECS | 3 SECS | 5 SECS | 10 SECS | 20 SECS |

OPTION SELECT ADDRESS

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|----|----|----|

DIGITAL START ADDRESS

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|----|----|----|

DATA STATUS

- LOW VOLTAGE SUPPLY (LV5)
- DATA ERROR
- RECEIVING DMX
- RECEIVING PMX

DMX (RS232/423)
 PINS: 1-SCREEN, 2-5V, 3-SIGNAL, 4-NOT USED, 5-LVS, 18-25VDC (MALE ONLY)
 PINS: 1-SCREEN, 4-30DATA, 5-LVS, 18-25VDC (MALE ONLY)
 PINS: 1-SCREEN, 4-30DATA, 5-LVS, 18-25VDC (MALE ONLY)

SPECIFICATION

| | |
|--------------------|-------------------------------------|
| 24500 | - ChromaZone™ 12 Fixture Controller |
| CPSU2 | - ChromaPSU2™ 2 Fixture PSU |
| 24504BW | - ChromaBank™ Mk 1 (Black/White) |
| CBANK2 | - ChromaBank™ Mk 2 (Black) |
| 8074 / 8075 | - ChromaFlex™ cable (Black / White) |

Pulsar's Chroma Lighting Fixtures - ChromaLight™, ChromaDome™, ChromaFlush™, ChromaStrip™, ChromaPanel™, ChromaScape™, ChromaHearts™, etc., contain state of the art, high brightness, high efficiency Red, Green and Blue LEDs. These three primary colours can be mixed together to make an incredible pallet of 16.7 million colours.

Each ChromaFixture™ requires a +24VDC supply at up to 500mA and three 0 to +10V control signals to control the level of Red, Green and Blue. These control signals and the low voltage power are provided by the ChromaZone controller which can drive up to 12 ChromaFixtures.

The ChromaZone has numerous chases and effects built in making it possible to achieve fantastic effects without programming. These internal effects can be selected via the DIL switches on the side of the unit in Stand Alone mode or from a controller using a digital PMX (Pulsar MultipleX) or DMX (Digital MultipleX) signal.

When receiving a signal the ChromaZone can operate in 6, 9, 36, 42 or 46 Channel Modes. Please see the lid printing page for details of these Operating Modes, how to select them, Channel Listings, and further information.

The ChromaZone has mounting flanges making it ideal for wall, ceiling or rig mounting, close to the fixtures it is driving.

The ChromaBank, which contains 12 ChromaHearts, has a built in ChromaZone to power and drive them.

Some ChromaFixtures have a letter suffix. This signifies the finished colour of the fixture (W = White). Other colours may become available - please check with Pulsar if required.

NB - Patents applied for

CHROMAZONE MAINS SUPPLY

Mains Supply - The ChromaZone works correctly on any mains voltage from 100-240 VAC, 50-60Hz, (self adjusting). Power consumption ranges from 10 Watts to 150 Watts depending on the number of fixtures connected and their output levels.

A mains cable is provided with an IEC female connector attached. The other end of the cable should be fitted with a suitably approved and rated mains plug. Note: in some countries it is a requirement that such a plug be fitted by a qualified electrician.

CABLE COLOURS

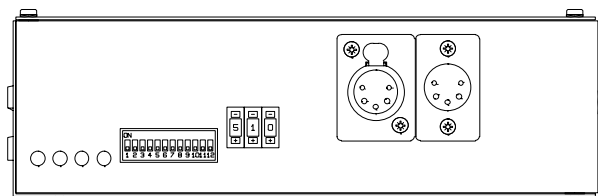
- Green/Yellow = Earth / Ground
- Brown = Live / Phase / Hot
- Blue = Neutral

WARNING - THIS APPLIANCE MUST BE EARTHED

For safety we recommend the use of a Residual Current Circuit Breaker. An RCCB MUST be used when powering ChromaScapes in wet environments.

Electronics On/Off Switch with built in Indicator Neon.

Electronics Mains Fuse: 5 Amp, HRC, 5x20mm.



CHROMAZONE SIGNALS AND OPERATION

Data Status Indicators:

Receive DMX LED - This green Light Emitting Diode shows that DMX data is reaching the **ChromaZone**.

Receive PMX LED - This yellow Light Emitting Diode shows that PMX data is reaching the **ChromaZone**.

Data Error LED - This red Light Emitting Diode shows that the **ChromaZone** did not recognise the last information received. Errors can often occur if the DMX line is not terminated. The end of the DMX line must always be terminated with a 100R or 120R resistor connected between signal+ and signal-, this resistor can be conveniently mounted in a 5 pin XLR plug which should be inserted in the last unit on the DMX line.

Unlike DMX, PMX may be branched and needs no termination.

LVS LED - This blue LED shows that a Low Voltage Supply (+23VDC, 120mA max.) is connected to Pin 5 of the male XLR connector, via switch 12, to power a desk or other equipment.

Start Address Switches - the **ChromaZone** receives a block of 6, 9, 36, 42 or 46 channels from the signal, depending on the operating mode – see lid printing. The **Start Address Switch** selects the number of the first channel in the block. Dial up the start address required using the Hundreds, Tens and Units switches provided.

Channel functions:

The channels have the following functions in 46 Channel mode and subsets of these in the other operating modes – see lid printing:

- Channel 1 - All Red Master
- Channel 2 - All Green Master
- Channel 3 - All Blue Master
- Channel 4 - Internal Chase 1 Select - see front panel printing
- Channel 5 - Internal Chase 1 Speed
- Channel 6 - Internal Chase 1 Level Master
- Channel 7 - Internal Chase 2 Select - see front panel printing
- Channel 8 - Internal Chase 2 Speed
- Channel 9 - Internal Chase 2 Level Master
- Channel 10 - Level Master for the individual RGB Channels 11-46
- Channel 11 - ChromaFixture No.1 Red
- Channel 12 - ChromaFixture No.1 Green
- Channel 13 - ChromaFixture No.1 Blue
- Channel 14 - ChromaFixture No.2 Red ... etc through to Channel 46

12 Way DIL Switch - The DIL (Dual In Line) switch is used to select various fixed colours, chases and chase speeds. The ChromaZone DIL switches take effect when the unit has no digital input signal, this allows the unit to function in "Stand Alone" mode. Please see the lid printing for full details.

Switches 1, 2, 3 set the colour for all connected fixtures.

Switches 4, 5, 6 and 7 can be used to select from 14 pre-programmed internal chases. The Auto Chase runs a sequence of these chases.

Switches 8, 9, 10 can be used to select the chase speed.

Switch 11 (with 9 & 10 down) selects 9 or 46 channel mode for digital reception.

Switch 11 (with 4-7 and 9 down but 10 up) selects 6 or 42 ch. mode.

Switch 11 (with 4-7 down but 9 up) selects 36 channel mode.

Switch 8 (with 4-7 down) disables the input smoothing for fast response to video graphics signals for example.

Switch 12 connects the LVS to pin 5 of the MALE XLR.

PMX/DMX In/Thru 5 Pin XLR Connectors

Digital Control Signals: Two 5 pin XLR sockets (in/thru) are provided. The pin connections of the sockets are:

PMX (RS232/423) SIGNAL DMX SIGNAL

- | | |
|--------------------------------|-------------------------------|
| Pin 1 = Screen - Chassis Earth | Pin 1 = Screen- Chassis Earth |
| Pin 2 = Signal | Pin 2 = Signal - |
| Pin 3 = Signal Earth | Pin 3 = Signal + |
| Pin 4 = no connection | Pin 4 = no connection |
| Pin 5 = LVS (male only) | Pin 5 = LVS (male only) |

CHROMAZONE OUTPUT CONNECTIONS

Outputs - Twelve 5 pole, cage clamp connectors are provided on the side panel. Each connector provides the necessary power and signal to drive a **ChromaFixture**.

Two **Connectors** are supplied with each **ChromaFixture**. 50m of black **ChromaFlex** is supplied with each **ChromaZone** and extra **ChromaFlex** is available.

It is recommended that the maximum run of **ChromaFlex** between the **ChromaZone** and a **ChromaFixture** is 20m.

Wiring: Strip back the outer insulation and the insulation from the cores of the **ChromaFlex** a suitable distance. Insert a flat blade screwdriver into the cage clamp connector and press it down to open the terminal. Insert the wire. Release the screwdriver. The spring loaded cage clamp holds the wire tightly ensuring a long term, reliable connection.

| Pin No. | Function | ChromaFlex Core Colour |
|---------|--------------|------------------------|
| 1 | 0V | Black |
| 2 | Red 0 -10V | Red |
| 3 | Green 0 -10V | Green |
| 4 | Blue 0 -10V | Blue |
| 5 | +24Vdc | White |

FUSES AND PRECAUTIONS

Failure of the **ChromaZone Electronics 5 Amp, HRC, 5x20mm Fuse**, usually indicates an internal fault requiring servicing by a qualified engineer.

Each 24VDC output is protected by an internal, resettable solid state fuse. Switch off the unit, fix the fault and switch on again to reset the fuse.

The 0-10V signal inputs and outputs are protected against shorts to 24V, 0V and static damage.

OTHER INFORMATION

PORTABLE APPLIANCE TESTING - The **Pulsar ChromaZone** may be safely Earth Bond and Insulation Tested.

STANDARDS - The **Pulsar ChromaZone** complies with the following International and National Standards:

Electrical Safety - IEC65, EN60065, BS415

EMC - EN50081-1, EN55022, EN50082-1

Index of Protection - IP20



Marking Directive 93/68/EEC - The **Pulsar ChromaZone** meets both the EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC.



Conforms to: ANSI/UL Standard 6500
Certified to: CAN/CSA-E60065-00

3048422

GUARANTEE - 12 months from the date of original purchase. The guarantee is limited to parts and labour. The guarantee is void if the unit is misused, unauthorised persons perform repairs, or the incorrect type of fuse has been used. In the unlikely event of a fault occurring, do not use without repair. Return the unit to your supplier with a description of the fault, or direct to Pulsar for immediate attention.

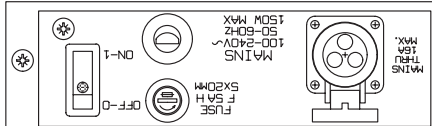
DIMENSIONS AND WEIGHTS

| Code | Unit | Width | Height | Depth | Weight |
|-------|--------------------------------|-------|--------|-------|------------|
| | | mm | mm | mm | kg |
| 24500 | ChromaZone + 50m ChromaFlex | 210.0 | 342.0 | 70.0 | 2.0 7.0 |

ChromaZone™ Software Version 2.0

Pulsar ChromaZone / ChromaBank Software Version No. 2.0 (MAIN micro 21-09-03 and DMX micro 01-09-03) has many exciting new features. The additions since version 1.2 are: • Two built in Chases – allowing superimposition of effects and crossfading between chases. Chase 1 and 2 use the same table of 31 chases but there are differences to give you more choice - Chase 1 uses the Master Red, Green and Blue Channels 1, 2 & 3 to change the colour of some chases (see table) while Chase 2 stays white and uses them to give a background colour. • There are chase enhancements - shown in ***Bold Italic*** below. • The chases now have smoother waveforms. • There are 3 new operating modes: 9 Channel, 36 Channel and 46 Channel Modes, in addition to the original 6 and 42 Channel Modes. • There's a Master Dimmer channel for the 36 individual RGB channels. • A new Dimmer Law doubles the bottom end resolution for smoother dimming and increases the top end action. • Input Smoothing Disable Switch for fast display of video graphics. • And a new, more useful choice of Stand Alone Chase Speeds. • Please see the lid printing page for details of the Operating Modes and how to select them, Channel Listings, and further information.

| DIL Switch | Chase | Ch.4&7 | Bit | Chase | Notes |
|------------|-------|--------|-----|---|--|
| 4 5 6 7 | No. | Input | No. | Description | |
| | 15 | 100% | 255 | Auto Chase | |
| | | 95% | 242 | Green Yellow Red Bar Graph Rev | Use Ch.1 |
| | | 92% | 235 | Green Yellow Red Bar Graph Fwd | Use Ch.1 |
| | 14 | 90% | 230 | Rainbow Strobe | |
| | 13 | 85% | 217 | White / Any Colour Strobe | Chs.1, 2, & 3 set colour |
| | | 82% | 209 | White / <i>Any Colour</i> Crossover | <i>New: Chs. 1, 2 & 3 set colour</i> |
| | 12 | 80% | 204 | Blue-Yellow Wave Rev | |
| | | 77% | 196 | Blue-Yellow Wave Fwd | |
| | | 73% | 186 | Green-Magenta Wave Rev | |
| | 11 | 70% | 179 | Green-Magenta Wave Fwd | |
| | | 67% | 171 | Red-Cyan / <i>AnyCol/Op.Col</i> Wave Fwd | <i>New: Chs. 1, 2 & 3 set colour</i> |
| | 10 | 65% | 166 | Red-Cyan / <i>AnyCol/Op.Col</i> Wave Rev | All 3 at 0% = Red-Cyan |
| | 9 | 60% | 153 | Black-White/ <i>AnyColour</i> Wave Fwd | <i>New: Chs. 1, 2 & 3 set colour</i> |
| | | 57% | 145 | Black-White/ <i>AnyColour</i> Wave Rev | All 3 at 0% = White. |
| | 8 | 55% | 140 | Random Colours | |
| | | 52% | 133 | Rainbow 2 Crossfade Fwd | Wider primary colours to compensate for extra diffusion |
| | | 48% | 122 | Rainbow 2 Crossfade Rev | |
| | 7 | 45% | 115 | Rainbow Crossfade Fwd | Equal width primary & secondary colours |
| | 6 | 41% | 105 | Rainbow Crossfade Rev | |
| | | 38% | 97 | "Follow 3" 18 Contrasting Cols Rev | |
| | 5 | 35% | 89 | "Follow 3" 18 Contrasting Cols Fwd | |
| | | 32% | 82 | 18 Crossfading Colours Rev | |
| | 4 | 30% | 77 | 18 Crossfading Colours Fwd | |
| | | 27% | 69 | White/AnyColour/ <i>AutoColour</i> Cascade Rev | Chs. 1, 2 & 3 set colour. All 3 at 0% = White. <i>New: All 3 at 100% = Auto Colour Change</i> |
| | | 23% | 59 | White/AnyColour/ <i>AutoColour</i> Cascade Fwd | |
| | 3 | 20% | 51 | 6 Crossfading Pastel Colours | |
| | | 17% | 43 | Colour Wipes | |
| | 2 | 15% | 38 | 6 Crossfading Colours | |
| | 1 | 10% | 26 | 6 Separate Colours | |
| | | 7% | 18 | Red Green Blue Bar Graphs Rev | Use Chs. 1, 2 & 3 |
| | | 5% | 13 | Red Green Blue Bar Graphs Fwd | Use Chs. 1, 2 & 3 |
| | 0 | 0% | 0 | No Chase | |

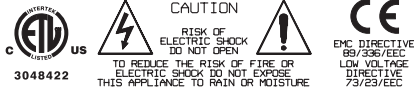


ChromaBank 2

PULSAR

SERIAL NO.

COPYRIGHT PULSAR 2003



CONFORMS TO ANSI/UL STD. 6500
CERT. TO CAN/CSA-EG0085-00

MADE IN EUROPE BY:
PULSAR LIGHT OF CAMBRIDGE LTD.,
3 COLDHAMS BUSINESS PARK, NORMAN WAY,
CAMBRIDGE, CB1 3LH, UK.

TEL: +44 (0) 1223 403500
FAX: +44 (0) 1223 403501
WWW.PULSARLIGHT.COM

RECEIVING DMX/PMX MODE

| | |
|--|--|
| <input type="checkbox"/> 1011 9 CHANNEL MODE | <input type="checkbox"/> 4567891011 6 CHANNEL MODE |
| CHANNEL ASSIGNMENTS 1 ALL RED 2 ALL GREEN 3 ALL BLUE 4 CHASE1 SELECT (SEE TABLE) 5 CHASE1 SPEED 6 CHASE1 LEVEL 7 CHASE2 SELECT (SEE TABLE) 8 CHASE2 SPEED 9 CHASE2 LEVEL | CHANNEL ASSIGNMENTS 1 ALL RED 2 ALL GREEN 3 ALL BLUE 4 CHASE SELECT (SEE TABLE) 5 CHASE SPEED 6 CHASE LEVEL |
| <input type="checkbox"/> 81011 46 CHANNEL MODE | <input type="checkbox"/> 4567891011 42 CHANNEL MODE |
| CHANNEL ASSIGNMENTS 1-9 AS 9 CHANNEL ABOVE 10 GRAND MASTER FOR 11-46 11 OUTPUT 1 RED 12 OUTPUT 1 GREEN 13 OUTPUT 1 BLUE 14 OUTPUT 2 RED 15 OUTPUT 2 GREEN ↓ 46 OUTPUT 12 BLUE | CHANNEL ASSIGNMENTS 1-6 AS 6 CHANNEL ABOVE 7 OUTPUT 1 RED 8 OUTPUT 1 GREEN 9 OUTPUT 1 BLUE 10 OUTPUT 2 RED 11 OUTPUT 2 GREEN ↓ 42 OUTPUT 12 BLUE |
| <input type="checkbox"/> 4567891011 36 CHANNEL MODE | |
| CHANNEL ASSIGNMENTS 1 OUTPUT 1 RED 2 OUTPUT 1 GREEN 3 OUTPUT 1 BLUE 4 OUTPUT 2 RED 5 OUTPUT 2 GREEN ↓ 36 OUTPUT 12 BLUE | |
| <input type="checkbox"/> 12 LOW VOLTAGE SUPPLY | |
| <input type="checkbox"/> 45678 (FOR FAST VIDEO/GRAPHIC USE) | |

DIP SWITCH SELECT FOR STAND ALONE (NO SIGNAL) MODE

CH. 4 AND CH. 7 INPUT FOR CHASE SELECT IN SIGNAL MODE

| | |
|---|---|
| <input type="checkbox"/> 1011 FIXED 1-2-3 COLOURS | SPEED STEP TIME <input type="checkbox"/> 1010 |
| <input type="checkbox"/> 0101 WHITE | 0.5 SEC <input type="checkbox"/> 0101 |
| <input type="checkbox"/> 0110 CYAN | 1 SEC <input type="checkbox"/> 0110 |
| <input type="checkbox"/> 0111 MAGENTA | 1.5 SEC <input type="checkbox"/> 0111 |
| <input type="checkbox"/> 1001 YELLOW | 2 SECS <input type="checkbox"/> 1001 |
| <input type="checkbox"/> 1010 BLUE | 3 SECS <input type="checkbox"/> 1010 |
| <input type="checkbox"/> 1011 GREEN | 5 SECS <input type="checkbox"/> 1011 |
| <input type="checkbox"/> 1101 RED | 10 SECS <input type="checkbox"/> 1101 |
| <input type="checkbox"/> 1111 BLACK | 20 SECS <input type="checkbox"/> 1111 |

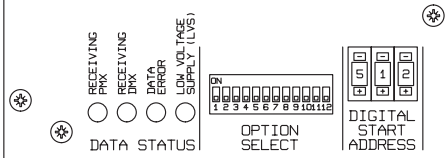
CHASE 4567 INPUT CHASE DESCRIPTION TABLE

| | | |
|----|-------------------------------|--|
| 15 | <input type="checkbox"/> 1001 | 100% AUTO CHASE |
| | <input type="checkbox"/> 95X | GREEN YELLOW RED BAR GRAPH REV |
| | <input type="checkbox"/> 92X | GREEN YELLOW RED BAR GRAPH FWD |
| 14 | <input type="checkbox"/> 1001 | 50% RAINBOW STROBE |
| 13 | <input type="checkbox"/> 0101 | 85% WHITE/ANY COLOUR STROBE |
| | <input type="checkbox"/> 82X | WHITE/ANY COLOUR CROSSOVER |
| 12 | <input type="checkbox"/> 0101 | 80% BLUE-YELLOW WAVE REV |
| | <input type="checkbox"/> 77X | BLUE-YELLOW WAVE FWD |
| | <input type="checkbox"/> 73X | GREEN-MAGENTA WAVE REV |
| 11 | <input type="checkbox"/> 0101 | 70% GREEN-MAGENTA WAVE FWD |
| | <input type="checkbox"/> 67X | RED-CYAN / ANY COL-OPPOSITE COL WAVE FWD |
| 10 | <input type="checkbox"/> 0101 | 65% RED-CYAN / ANY COL-OPPOSITE COL WAVE REV |
| 9 | <input type="checkbox"/> 0101 | 60% BLACK-WHITE/ANY COLOUR WAVE FWD |
| | <input type="checkbox"/> 57X | BLACK-WHITE/ANY COLOUR WAVE REV |
| 8 | <input type="checkbox"/> 0101 | 55% RANDOM COLOURS |
| | <input type="checkbox"/> 52X | RAINBOW 2 CROSSFADE FWD (MORE PRIMARIES) |
| | <input type="checkbox"/> 49X | RAINBOW 2 CROSSFADE REV (MORE PRIMARIES) |
| 7 | <input type="checkbox"/> 0101 | 45% RAINBOW CROSSFADE FWD |
| | <input type="checkbox"/> 41X | RAINBOW CROSSFADE REV |
| 6 | <input type="checkbox"/> 0101 | 38% FOLLOW 3, 18 CONTRASTING COLOURS REV |
| | <input type="checkbox"/> 35X | FOLLOW 3, 18 CONTRASTING COLOURS FWD |
| 5 | <input type="checkbox"/> 0101 | 32% 18 CROSSFADING COLOURS REV |
| | <input type="checkbox"/> 30X | 18 CROSSFADING COLOURS FWD |
| 4 | <input type="checkbox"/> 0101 | 27% WHITE/ANY COLOUR/AUTO COLOUR CASCADE REV |
| | <input type="checkbox"/> 23X | WHITE/ANY COLOUR/AUTO COLOUR CASCADE FWD |
| 3 | <input type="checkbox"/> 0101 | 20% 6 CROSSFADING PASTEL COLOURS |
| | <input type="checkbox"/> 17X | COLOUR WIPES |
| 2 | <input type="checkbox"/> 0101 | 15% 6 CROSSFADING COLOURS |
| 1 | <input type="checkbox"/> 0101 | 10% 6 SEPARATE COLOURS |
| | <input type="checkbox"/> 7X | RED GREEN BLUE BAR GRAPHS REV |
| | <input type="checkbox"/> 5X | RED GREEN BLUE BAR GRAPHS FWD |
| 0 | <input type="checkbox"/> 0101 | 0% NO CHASE |

PMX (RS232/423)
PINS: 1=SCREEN +, 2=SIGNAL, 3=SIGNAL -, 4=NOT USED, 5=LVS 18-25VDC (MALE ONLY)

DMX
PINS: 1=SCREEN +, 2=DATA -, 3=DATA +, 4=NOT USED, 5=LVS 18-25VDC (MALE ONLY)


DIGITAL INPUT



IMPORTANT SAFETY INSTRUCTIONS

Read the Product Instruction Leaflet and this Safety Instructions Leaflet before attempting to install or operate this apparatus.

Keep this leaflet and the Product Instruction Leaflet for future reference.

Observe ALL warnings indicated by the  symbol, both in the Product Instruction Leaflet and on the apparatus.

Follow ALL instructions given in the Product Instruction and this Safety Leaflet. Failure to do so may result in serious injury or death.

Protect the power cord from being walked on or pinched, particularly at plugs, auxiliary outputs, and the point where they exit from the apparatus.

Only use attachments/accessories specified by the manufacturer (Pulsar Light of Cambridge Ltd. UK).

Use only with the stand/bracket or other mounting arrangement specified in the Product Instruction Leaflet. In case of doubt, consult with the manufacturer (Pulsar Light of Cambridge Ltd. UK).

Unplug this apparatus before lightning storms or when unused for long periods.

Refer all servicing to suitably qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Clean only with a DRY cloth.

Protect the apparatus from dripping and splashing.


DO NOT place objects containing liquids on the apparatus.

DO NOT use this apparatus near water or in a condensing atmosphere, unless explicitly stated in the Product Instruction Leaflet.

DO NOT block any of the ventilation openings. Install the apparatus as specified in the Instruction Leaflet.

DO NOT defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is for YOUR safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete unit.

Mains Supply Cable colours

Green/Yellow =  Earth / Ground

Brown = Live / Phase / Hot

Blue = Neutral / Grounded Conductor