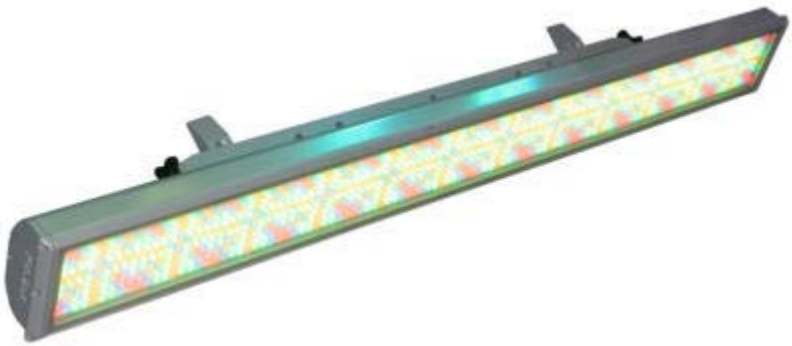
CHROMABANK IP 100 / 200 / 300



SPECIFICATION

CBankIP100	-	**ChromaBank IP 100W 6 Segment**
CBankIP200	-	**ChromaBank IP 200W 12 Segment**
CBankIP300	-	**ChromaBank IP 300W 12 Segment**

The **ChromaBank IP** contains 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 palette of 16.7 million colours.
They are IP65 rated fixtures and therefore suitable for outdoor or indoor use. They are powered directly from 100-240 Volts AC and have full remote DMX control of RGB levels or can function in Stand Alone Mode. Numerous chases and sequences are built in, enabling superb lighting effects without complicated programming.

These impressive fixtures are ideal for the architectural and entertainment markets to give an unlimited colour palette that can enhance building facades, water features and focal displays or to providing stunning dynamic colour in shows, conferences, concerts and themed environments.

Like the **ChromaBank,** the **ChromaBank IP** contains a **PULSAR ChromaZone** controller and can therefore also operate in 3, 6, 9, 10, 36, 42 or 46 Channel Modes.
The **ChromaBank IP 100** may be configured as **Fixture 1 of 2** or **Fixture 2 of 2**, displaying the LED segments 1-6 of 12 or 7-12 of 12. So, two **ChromaBank IP 100**s may emulate a **ChromaBank IP 200**. Please see the ***Channel Assignments Tables*** sheet for details of the different modes.

The **ChromaBank IP** has numerous chases and effects built in, making it possible to achieve fantastic effects without programming. These internal effects can be selected via the **User Interface Module** (UIM) on the rear of the units whilst in Stand Alone mode, or from a controller using a digital **PMX** (**P**ulsar **M**ultiple**X**) or **DMX** (**D**igital **M**ultiple**X**) signal.
Please see the ***Menu Selection Overview*** sheet for a pictorial representation of the menu functions.

The **ChromaBank IP** has a stand and mounting brackets making it ideal for floor, wall, ceiling or rig mounting.

The **ChromaBank IP** has a colour code letter. This signifies the finished colour of the fixture e.g. B = Black, S = Silver.

The **ChromaBank IP** has a thermal management system. This progressively reduces the power to the LEDs if the internal temperature exceeds limits set by the software.
Excess temperature will occur if the units are exposed to high ambient temperatures or inadvertently covered. It is therefore important for maximum performance that they have good ventilation on all sides.

NB - Patents applied for

CONNECTIONS

Mains Supply - The **ChromaBank IP** works correctly on any mains voltage from 100-240 VAC, 50-60Hz, (self adjusting). Power consumption is 100, 200 or 300 Watts max.
A 5m, bare ended, mains cable is provided. The bare 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 a ChromaBank IP in wet environments.

PMX/DMX In/Thru 5 Pin XLR Connectors
Digital Control Signals: Two 5 pin XLR connectors on 5m cables (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)

Wet / Damp Environment Use – these products are IP65 rated. However, the cable connections ***must*** also be contained in a dry, low humidity, environment as water and vapour will travel inside the cables from the connection joints into the fixture. A waterproof connection box, or properly fitted IP68 rated connectors, are essential for cable connections in such environments. Suitable connectors are available from Pulsar.
Failure to take these precautions invalidates the guarantee.

Instructions

USER INTERFACE MODULE AND FUNCTIONS

LCD DISPLAY A 2 line, 16 character per line, LCD display is used to set up, and indicate the status of, the **ChromaBank IP**.
At switch on, the display shows:

```
DMX Address: n (where n=1 to 512)
Receiving:NO SIGNAL or DMX or PMX or ERROR
```

Press the ⇧ (Up) or ⇩ (Down) keys to cycle through the Menu Options (see ***LCD Display Sheet***).
Press the **X** key on the **UIM** to change the settings.
Note: Program Mode self cancels after ~30 seconds if no keys have been pressed.
Note: if, at any time, the display shows **Receiving: ERROR**, then there is a problem with the DMX signal. It could be wiring, termination or poorly implemented DMX.

- **DMX Address –** depending on the operating mode, a block of 3, 6, 9, 10, 36, 42 or 46 channels is received from the DMX signal – see ***Channel Assignments Tables***. The **DMX Address** is the number of the first channel in the block.

To set the required **DMX Address**, press the ⇧ or ⇩ keys on the **UIM** until the display shows **DMX Address:**
Press the **X (change)** key on the **UIM**, then set the start address using the ⇧ or ⇩ keys. These keys repeat if held down.
When the required **DMX Address** number shows in the display, press the ✓ **(Yes)** key to save changes or **X (Back)** key to restore the previous settings.
Note: the **Receiving:** text (NO SIGNAL / PMX / DMX / ERROR) in the display is for information only.

- **ChromaZone Mode -** the unit can be run in similar modes to the ChromaZone. The options are 3, 6, 9, 10, 36, 42 and 46 channel modes – see ***Channel Assignments Tables***.

To set the required **Mode**, press the ⇧ or ⇩ keys on the **UIM** until the display shows **ChromaZone Mode**:
Press the **X (change)** key on the **UIM**, then select the required mode using the⇧ or ⇩ keys.
When the required **ChromaZone Mode** shows in the display, press the ✓ **(Yes)** key to save changes or **X (Back)** key to restore the previous settings.

- **Channels per Fixture –** the **ChromaBank IP 100** is 18 channels per fixture, the **ChromaBank IP 200 and 300** are 36 channels per fixture.

To view the number of **Channels per Fixture**, press the ⇧ or ⇩ keys on the **UIM** until the display shows **Channels per Fixture** :
Pressing the **X (change)** key on the **UIM**, followed by the ⇧ or ⇩ keys will have no effect.
Press the ✓ **(Yes)** key or **X (Back)** key to return to the main menu.

- **Fixture number:** the 36 RGB outputs from the built in ChromaZone are divided into fixture groups. 36 divided by the channels per fixture (see above) gives the number of fixtures available from the data block.

A **ChromaBank IP 200 or 300** can only be **Fixture 1**.
Pressing the **X (change)** key on the **UIM**, followed by the ⇧ or ⇩ keys will have no effect.
Press the ✓ **(Yes)** key or **X (Back)** key to return to the main menu.

A **ChromaBank IP 100** may be either **Fixture 1** or **Fixture 2**, displaying the LED segments as 1-6 of 12 or 7-12 of 12. See the ***Channel Assignments Table*** for channel and fixture number colour details.

To set the required **fixture number**, press the ⇧ or ⇩ keys on the **UIM** until the display shows **Fixture number**:
Press the **X (change)** key on the **UIM**, then select the required number using the ⇧ or ⇩ keys.
When the required **Fixture number** shows in the display, press the ✓ **(Yes)** key to save changes or **X (Back)** key to restore the previous settings.

- **Chase patterns:** may be ***6 or 12 way***. E.g. two **ChromaBank IP 100**s, the first set as ***Fixture 1 of 2*** and the second set as ***Fixture 2 of 2*** will run a **12 way** chase.

To set the required **chase patterns**, press the ⇧ or ⇩ keys on the **UIM** until the display shows **Chase patterns**:
Press the **X (change)** key on the **UIM**, then select ***6 or 12 way*** using the ⇧ or ⇩ keys.
When the required **chase pattern way number** shows in the display, press the ✓ **(Yes)** key to save changes or **X (Back)** key to restore the previous settings.

- **Channel 10:** may be set as a Grand Master for the 36 RGB channels only, OR as a Global Grand Master for the 36 RGB channels, the ALL Red ,Green and Blue, and the Chase Levels

To set the required **Ch.10** mode of operation, press the ⇧ or ⇩ keys on the **UIM** until the display shows **Ch.10…**:
Press the **X (change)** key on the **UIM**, then select the required number using the ⇧ or ⇩ keys.
When the required **Ch.10** operation shows in the display, press the ✓ **(Yes)** key to save changes or **X (Back)** key to restore the previous settings.

- **Input Smoothing - ON** or **OFF**. To disable the input smoothing, e.g. for fast response to video graphics signals, set to **OFF**

To turn the **Input Smoothing** ON/OFF, press the ⇧ or ⇩ keys on the **UIM** until the display shows **Input Smoothing:**
Press the **X (change)** key on the **UIM**, then select the required state using the⇧ or ⇩ keys.
When the required state shows in the display, press the ✓ **(Yes)** key to save changes or **X (Back)** key to restore the previous settings.

- **Low Voltage Supply - ON** or **OFF**. To connect the LVS to pin 5 of the MALE XLR, set to **ON**.

The LVS is used to power some PULSAR controllers, e.g. Outstation OS1. 24V at up to 250mA d.c. is available.
To turn the **Low Voltage Supply** ON/OFF, press the ⇧ or ⇩ keys on the **UIM** until the display shows **Low Voltage Supply is:**
Press the **X (change)** key on the **UIM**, then select the required state using the⇧ or ⇩ keys.
When the required state shows in the display, press the ✓ **(Yes)** key to save changes or **X (Back)** key to restore the previous settings.

- **DMX Line Termination – ON** or **OFF**, set the last unit in the DMX cable run to **ON**, all others to **OFF**. Errors can often occur if the DMX line is not terminated. DMX errors are shown in the display as:

```
DMX Address: n
Receiving: ERROR
```

To turn the **DMX Line Termination** ON/OFF, press the ⇧ or ⇩ keys on the **UIM** until the display shows **DMX Line Termination:**
Press the **X (change)** key on the **UIM**, then select the required state using the ⇧ or ⇩ keys.
When the required state shows in the display, press the ✓ **(Yes)** key to save changes or **X (Back)** key to restore the previous settings.

- **If NoSignal use:** In the event the **ChromaBank IP** is not receiving a DMX signal (e.g. controller no longer present), the unit may either use the user-programmable Stand Alone Settings (see **Stand Alone Settings View/Change** below) OR continue to use the Last DMX Packet received.

To select the **If NoSignal use:** requirement, press the ⇧ or ⇩ keys on the **UIM** until the display shows **If NoSignal use**
Press the **X (change)** key on the **UIM**, then select the requirement using the ⇧ or ⇩ keys.
When your requirement is showing in the display, press the ✓ **(Yes)** key to save changes or **X (Back)** key to restore the previous settings.

- **Stand Alone Settings View/Change**

There are three possibilities depending on:
a) whether there is an input signal and
b) whether "If NoSignal use:" is set to "Stand Alone Mode" or set to "Last DMX Packet".

1. No Signal + Use Stand Alone Mode:
   The current Stand Alone Settings may be viewed, changed and saved as the new Stand Alone Settings.
2. No Signal + Use Last DMX Packet:
   The channel levels of the Last DMX Packet (if any) may be viewed, changed and saved as the new Stand Alone Settings.
3. Signal present:
   The incoming signal overwrites any changes made but these incoming channel levels may be set at the controller, viewed and saved as the new Stand Alone Settings.

CHROMABANK IP 100 / 200 / 300

USER INTERFACE MODULE AND FUNCTIONS

Stand Alone Settings View/Change (continued)

To View/Change the Stand Alone Settings, press the ⇧ or ⇩ keys on the **UIM** until the display shows **Stand Alone Settings View/Change.**

Press the **X (change)** key on the **UIM**, then select the channel to view/change using the ⇦ or ⇨ keys. These keys repeat if held down. When the channel to be viewed/changed is showing in the display, press the ⇧ or ⇩ keys to change the value. These keys repeat if held down. The display shows both the bit number (0-255) and percentage (0-100%).

Please see the **Chase Select Table** when modifying chases.

To modify further channels, select the channel to view/change using the ⇦ or ⇨ repeat keys, pressing the ⇧ or ⇩ repeat keys to change the value.

When you have finished modifying channels, press the ✓ **(Yes)** key to save changes or **X (Back)** key to restore the previous settings.

• VIEW(Sig)/SET(NoSig) Chan Levels

To View the Channel Levels/Change the Stand Alone Settings, press the ⇧ or ⇩ keys on the **UIM** until the display shows **VIEW(Sig)/SET(NoSig) Chan Levels**

Press the **X (change)** key on the **UIM**, then select the channel to change/view using the ⇦ or ⇨ keys. These keys repeat if held down.

When the channel to be changed/viewed is showing in the display, press the ⇧ or ⇩ keys to change the value. These keys repeat if held down. The display shows both percentage (0-100%) and bit number (0-255), and for channels 4 (Chase 1 Select) and 7 (Chase 2 Select) the chases selected.

Please see the **Chase Select Table** when modifying chases.

Notes:

- this menu item is for this session use only, data is never saved.
- the values can only be changed if the unit is not receiving data.
- pressing the **X** or ✓ keys returns to the main menu.

• Restore Factory Default Settings

To restore the factory default settings, press the ⇧ or ⇩ keys on the **UIM** until the display shows **Restore Factory Default Settings.**

Press the **X (change)** key on the **UIM**, then press the ✓ **(Yes)** key to restore defaults or **X (Back)** key to exit.

The factory default settings are

DMX Address	1	
ChromaZone Mode	46 Channel	
Channels per Fixture	18 (CBankIP100) / 36 (CBankIP200/300)	
Fixture number	1of2 (CBankIP100)/1of1 CBankIP200/300)	
Chase patterns	12 (CBankIP100) / 12 (CBankIP200/300)	
Channel 10	Grand Master for the 36 RGBs only	
Input Smoothing	ON	
Low Voltage Supply	ON	
DMX Line Termination	OFF	
If NoSignal use:	Stand Alone Mode	
Stand Alone Settings	Ch.1 – 3	= 0 bits / 0%
	Ch.4 = Chase 1 Select	= Auto Chase
	Ch.5 = Chase 1 Speed	= 128 bits / 50%
	Ch.6 = Chase 1 Level	= 255 bits / 100%
	Ch.7 – 46	= 0 bits / 0%

OTHER INFORMATION

Failure of the internal **ChromaBank IP 5 Amp, 5x20mm Power Supply Fuse,** usually indicates an internal fault requiring servicing by a qualified engineer.

If the front glass becomes cracked or broken, disconnect from the mains immediately and have the unit repaired. Replacement glasses are available from Pulsar.

The PMX/DMX connections (input and thru) are protected against inadvertent shorts to 240Vac and static damage.

PORTABLE APPLIANCE TESTING - The **Pulsar ChromaBank IP 100, 200 and 300** may be safely Earth Bond and Insulation Tested.

STANDARDS - The **Pulsar ChromaBank IP 100, 200 and 300** comply with the following International and National Standards:

Electrical Safety - IEC65, EN60065, BS415

EMC - EN50081-1, EN55022, EN50082-1

Index of Protection – IP65

CE **Marking Directive 93/68/EEC -** The **Pulsar ChromaBank IP 100, 200 and 300** meet the EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC.

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, the cable connections are not in a dry environment or made using an IP68 rated connector, or unauthorised persons perform repairs. 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 mm	Height mm	Depth mm	Weight kg
CBankIP100	ChromaBank IP 100W 6 segment	598.0	132.0	132.0	5.3
CBankIP200	ChromaBank IP 200W 12 segment	1198.0	132.0	132.0	12.4
CBankIP300	ChromaBank IP 300W 12 segment	1198.0	132.0	132.0	12.4

Instructions

PULSAR LIGHTING FOR EFFECT

Pulsar Light of Cambridge Limited • 3 Coldhams Business Park • Norman Way • Cambridge • CB1 3LH • England • Tel: 44 (0)1223 403500 • Fax: 44 (0)1223 403501 • Email: sales@pulsarlight.com • Web: www.pulsarlight.com

CHROMABANK IP 100 / 200 / 300
CHANNEL ASSIGNMENTS TABLES

(3) 6 Channel Mode	
1	All Red
2	All Green
3	All Blue
4	Chase Select (see Chase Table)
5	Chase Speed
6	Chase Level

(9) 10 Channel Mode	
1	All Red
2	All Green
3	All Blue
4	Chase1 Select (see Chase Table)
5	Chase1 Speed
6	Chase1 Level
7	Chase2 Select (see Chase Table)
8	Chase2 Speed
9	Chase2 Level
10	Global Grand Master

36 Channel Mode				
ChromaBank IP 100 18 Channels / Fixture				ChromaBank IP 200/300 36 Channels / Fixture
Fixture 1 of 2		Fixture 2 of 2		
1	Red 1	19	Red 1	1 Fixture 1 Red 1
2	Green 1	20	Green 1	2 Fixture 1 Green 1
3	Blue 1	21	Blue 1	3 Fixture 1 Blue 1
16	Red 6	34	Red 6	34 Fixture 1 Red 12
17	Green 6	35	Green 6	35 Fixture 1 Green 12
18	Blue 6	36	Blue 6	36 Fixture 1 Blue12

42 Channel Mode				
ChromaBank IP 100 18 Channels / Fixture				ChromaBank IP 200/300 36 Channels / Fixture
Fixture 1 of 2		Fixture 2 of 2		
1-6 as 6 Channel Mode		1-6 as 6 Channel Mode		1-6 as 6 Channel Mode
7	Red 1	25	Red 1	7 Fixture 1 Red 1
8	Green 1	26	Green 1	8 Fixture 1 Green 1
9	Blue 1	27	Blue 1	9 Fixture 1 Blue 1
22	Red 6	40	Red 6	40 Fixture 1 Red 12
23	Green 6	41	Green 6	41 Fixture 1 Green 12
24	Blue 6	42	Blue 6	42 Fixture 1 Blue 12

46 Channel Mode				
ChromaBank IP 100 18 Channels / Fixture				ChromaBank IP 200/300 36 Channels / Fixture
Fixture 1 of 2		Fixture 2 of 2		
1-9 as 9 Channel Mode		1-9 as 9 Channel Mode		1-9 as 9 Channel Mode
10	36 x RGB Grand Master OR Global Grand Master	10	36 x RGB Grand Master OR Global Grand Master	10 36 x RGB Grand Master OR Global Grand Master
11	Red 1	29	Red 1	11 Fixture 1 Red 1
12	Green 1	30	Green 1	12 Fixture 1 Green 1
13	Blue 1	31	Blue 1	13 Fixture 1 Blue 1
26	Red 6	44	Red 6	44 Fixture 1 Red 12
27	Green 6	45	Green 6	45 Fixture 1 Green 12
28	Blue 6	46	Blue 6	46 Fixture 1 Blue 12

Instructions

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ChromaZone™ Software Version 4.0

Pulsar ChromaZone / ChromaZone RM / ChromaBank / ChromaBank IP / ChromaFlood / ChromaBatten Software Version No. 4.0 (MAIN micro 4.0 06-02-06 or later + UIM micro 1.0 07-03-05 or later) has many exciting features.• 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 ALL 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. The chases have a very wide range of speeds.

- 7 operating modes: 3, 6, 9, 10, 36, 42 and 46 Channel Modes.
- A Master Dimmer Channel (Ch.10) for the 36 individual RGB channels, which may become a Global Grand Master for the All R/G/B and Chases Levels too.
- Input Smoothing may be disabled for fast display of video graphics and video frame rate capability.
- Please see the ***Channel Assignments Table*** page for details of the Operating Modes and how to select them, Channel Listings, and further information.

Chase No.	% Input	Bit No.	Chase Description	Notes
15	100	255	Auto Chase	
	95	244	Green Yellow Red Bar Graph Reverse	Use Channel1
	92	236	Green Yellow Red Bar Graph Forward	Use Channel1
14	89	228	Rainbow Strobe	
13	86	220	White / Any Colour Strobe	Channels 1, 2 & 3 set colour
	83	212	White / Any Colour Crossover	Channels 1, 2 & 3 set colour
12	80	204	Blue-Yellow Wave Reverse	
	77	196	Blue-Yellow Wave Forward	
	73	188	Green-Magenta Wave Reverse	
11	70	180	Green-Magenta Wave Forward	
	67	172	Red-Cyan / AnyCol/Op.Col Wave Forward	Channels 1, 2 & 3 set colour All 3 at 0% = Red-Cyan
10	64	164	Red-Cyan / AnyCol/Op.Col Wave Reverse	
9	61	156	Black-White/AnyColour Wave Forward	Channels 1, 2 & 3 set colour All 3 at 0% = White.
	58	148	Black-White/AnyColour Wave Reverse	
8	55	140	Random Cols. Chase1 Crossfade, Chase2 Snap	
	52	132	Rainbow 2 Crossfade Forward	Wider primary colours to compensate for extra diffusion
	48	124	Rainbow 2 Crossfade Reverse	
7	45	116	Rainbow Crossfade Forward	Equal width primary & secondary colours
6	42	108	Rainbow Crossfade Reverse	
	39	100	“Follow 3” 18 Contrasting Colours Reverse	
5	36	92	“Follow 3” 18 Contrasting Colours Forward	
	33	84	18 Crossfading Colours Reverse	
4	30	76	18 Crossfading Colours Forward	
	27	68	White/AnyColour/AutoColour Cascade Reverse	Channels 1, 2 & 3 set colour. All 3 at 0% = White. All 3 at 100% = Auto Colour Change
	23	60	White/AnyColour/AutoColour Cascade Forward	
3	20	52	6 Crossfading Pastel Colours	
	17	44	Colour Wipes	
2	14	36	6 Crossfading Colours	
1	11	28	6 Separate Colours	
	8	20	Red Green Blue Bar Graphs Reverse	Use Channels 1, 2 & 3
	5	12	Red Green Blue Bar Graphs Forward	Use Channels 1, 2 & 3
0	0	0	No Chase	

CHROMABANK IP
MENU SELECTION OVERVIEW

Display	Operation	Display	Choices	Operation
DMX Address: ***n*** Receiving: ***t***	**X**=Change **X**=Restore	DMX Address ***n*** ⇧⇩ **X**=Back ✓=Yes	*n*=**1 to 512** *t* = **DMX / PMX / NO SIG / ERROR**	✓ =Save
ChromaZone Mode: ***nn*** Channels	**X**=Change **X**=Restore	CZ Mode ***nn*** Chan. ⇧⇩ **X**=Back ✓=Yes	**3 6 9 10 36 42 46**	✓ =Save
Channels per Fixture: ***n***	**X**=Change **X**=Restore	Chs/Fixture: ***n*** ⇧⇩ **X**=Back ✓=Yes	**18 (CBankIP100)** **36 (CBankIP200)**	✓ =Save
Fixture number: ***n*** of ***x***	**X**=Change **X**=Restore	Fixture ***n*** of ***x*** ⇧⇩ **X**=Back ✓=Yes	**1or2 of 2 (CBankIP100)** **1 of 1 (CBankIP200)**	✓ =Save
Chase patterns: ***n*** Way	**X**=Change **X**=Restore	***n*** Way Patterns ⇧⇩ **X**=Back ✓=Yes	**6 Way** **12 Way**	✓ =Save
Ch.10	**X**=Change **X**=Restore	⇧⇩ **X**=Back ✓=Yes	**CH10 = 36xRGB GM** **CH10 = Global GM**	✓ =Save
Input Smoothing: ***t***	**X**=Change **X**=Restore	IP Smoothing ***t*** ⇧⇩ **X**=Back ✓=Yes	**ON**=Gentle,Smooth **OFF**=Fast,Video	✓ =Save
Low Voltage Supply is: ***t***	**X**=Change **X**=Restore	LV Supply is ***t*** ⇧⇩ **X**=Back ✓=Yes	**ON** **OFF**	✓ =Save
DMX Line Termination: ***t***	**X**=Change **X**=Restore	Line Term is ***t*** ⇧⇩ **X**=Back ✓=Yes	**ON** **OFF**	✓ =Save
If NoSignal use: ***t***	**X**=Change **X**=Restore	***t*** ⇧⇩ **X**=Back ✓=Yes	**Stand Alone Mode** **Last DMX Packet**	✓ =Save
Stand Alone Sett ings View/Change	**X**=Change **X**=Restore	Bits: %	**Channel Assignments Tables and Chase Select Table**	✓ =Save
VIEW(Sig)/SET(No Sig) Chan Levels	**X**=View **X**=Back	Bits: %	**Channel Assignments Tables and Chase Select Table**	**X** = Back ✓ = Back
Restore Factory Default Settings	**X**=View **X**=Back	Restore Defaults **X**=Back ✓=Yes	✓=Restore	
Pulsar Light of Cambridge Ltd UK	Information only			
www. pulsarlight.com	Information only			
MainSoftware ***N.n*** (C)Pulsar ***ddmmyy***	Information only			
UIM Software ***N.n*** (C)Pulsar ***ddmmyy***	Information only			
Inside air units now ***xxx*** was ***yyy***	Information only Used by software			
⇧⇩ to view X to change	Information only			

Instructions

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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.

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.

UNLESS THIS APPARATUS HAS AN IP RATING OF 65 OR GREATER

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.

Mains Supply Cable colours

Green/Yellow = ⏚ Earth / Ground
Brown = Live / Phase / Hot
Blue = Neutral / Grounded Conductor

Instructions

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