

CHROMAZONE6/12RM(X3)TM 19" Rack Mount



SPECIFICATION

ChromaZone12RMTM – ChromaZone 19" Rack Mount 200W
 ChromaZone6RMX3TM – ChromaZone 19" Rack Mount 300W
 ChromaZone12RMX3TM – ChromaZone 19" Rack Mount 600W

Pulsar's Chroma Lighting Fixtures - ChromaLightTM, ChromaDomeTM, ChromaFlushTM, ChromaStripTM, ChromaPanelTM, ChromaScapeTM, ChromaHeartTM, Low Profile ChromaHeartTM, 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 ChromaFixtureTM requires a +24VDC supply up to 520mA and three 0 to +10V control signals to control the level of Red, Green and Blue. These control signals and the low voltage powers are provided by either the (ChromaZone6/12RM(X3)) ChromaZone6RMX3TM, ChromaZone12RMTM, or the ChromaZone12RMX3TM Controller. These can drive up to 6 to 12 ChromaFixtures.

The ChromaZone6/12RM(X3) has numerous chases and effects built in making it possible to achieve fantastic effects without programming. These internal effects can be selected via the UIM (User Interface Module) located on the front panel of the unit in Stand Alone mode or from a controller using a digital DMX (Digital MultipleX) signal.

When receiving a signal the ChromaZone6/12RM(X3) can operate in 3, 6, 9, 10, 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.

Please see the ChromaFixtures Leaflet for details of the luminaries themselves.

NB - Patents applied for. Trade Marks, Copyright, Registered and Unregistered Design Rights apply on all Chroma Products.

CONNECTIONS

Mains Supply The ChromaZone6/12RM(X3) works correctly on any mains voltage from 100-277 VAC, 50-60Hz, (self Adjusting). Power consumption ranges shown below:

ChromaZone12RMTM - from 10 Watts to 200 Watts depending on the number of fixtures connected and their output levels.

ChromaZone6RMX3TM - from 10 Watts to 300 Watts depending on the number of fixtures connected and their output levels.

ChromaZone12RMX3TM - from 10 Watts to 600 Watts depending on the number of fixtures connected and their output levels.

A mains cable is provided with a Locking 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 = $\overline{\text{—}}$ 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 e.g. ChromaScapes in wet environments.

Electronics On/Off Switch with built in Indicator Neon.

DMX In/Thru 5 Pin XLR Connectors.

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

DMX SIGNAL

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

Outputs – 12(6), five pole, cage clamp WAGO connectors are provided on the back panel. Each connector provides the necessary power and signal to drive a ChromaFixture.

Two Connectors are supplied with many of the ChromaFixtures. Extra ChromaFlex cable is available from Pulsar if required.

It is recommended that the maximum run of ChromaFlex between the ChromaZone6/12RM(X3) and the ChromaFixture is 20m.

Wiring: Strip back the outer insulation and the insulation from the cores of the ChromaFlex to 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

The ChromaZone6/12RM(X3) has a comb bracket supplied which locates on the back of the unit using the two M6 spring loaded fasteners. This ensures the cage clamp connectors cannot become accidentally pulled from their sockets.

The ChromaZone6/12RM(X3) may also be truss mounted using the M10 nutserts fitted to the base. Ensure you do not over tighten the fixings in to the tray.

The ChromaZone6/12RM(X3) may be wall or ceiling mounted using the mounting brackets supplied. These can be fitted to the underside of the unit using the 6 x M4 fixings supplied.

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 **ChromaZone6/12RM(X3)** 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 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:** Fixed at 3 channels per fixture in this product.

● **Fixture number:** Fixed at 1 of 12 in this product.

● **Chase patterns:** may be **6 or 12 way**.

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

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

as:

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 No Signal use:** In the event the **ChromaZone6/12RM(X3)™** 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.

CHROMAZONE6/12RM(X3)TM 19" Rack Mount

USER INTERFACE MODULE AND FUNCTIONS

Stand Alone Settings View/Change (continued)

To View/Change the Stand Alone Settings, press the \uparrow or \downarrow 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 \leftarrow or \rightarrow keys. These keys repeat if held down. When the channel to be viewed/changed is showing in the display, press the \uparrow or \downarrow 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 \leftarrow or \rightarrow repeat keys, pressing the \uparrow or \downarrow repeat keys to change the value.

When you have finished modifying channels, press the \checkmark (**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 \uparrow or \downarrow 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 \leftarrow or \rightarrow keys. These keys repeat if held down.

When the channel to be changed/viewed is showing in the display, press the \uparrow or \downarrow 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 \checkmark keys returns to the main menu.

• Restore Factory Default Settings

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

Press the **X (change)** key on the **UIM**, then press the \checkmark (**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	3	
Fixture number	1	
Chase patterns	12 Way	
Channel 10	Grand Master for the 36 RGBs only	
Input Smoothing	ON	
Low Voltage Supply	OFF	
DMX Line Termination	OFF	
If No Signal 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%

FUSES AND PRECAUTIONS

Failure of the **ChromaZone6/12RM(X3)** internal Power supply 6.3A HRC 5x20mm fuse 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.

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

OTHER INFORMATION

PORTABLE APPLIANCE TESTING – Both the **Pulsar ChromaZone12RMTM**, **ChromaZone6RMX3TM** and the **ChromaZoneRMX3TM** may be safely Earth Bond and Insulation Tested.

STANDARDS - The **Pulsar ChromaZone12RMTM**, **ChromaZone6RMX3TM** and the **ChromaZone12RMX3TM** 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 ChromaZone12RMTM / ChromaZone6RMX3TM** and the **ChromaZone12RMX3TM** meets 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, the cable connections are not in a dry environment 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	Height	Depth	Weight
		mm	mm	mm	Kg
24500RM	ChromaZone12RM TM	482.6	88.0	240.0	3.5
24500RMX3	ChromaZone12RMX3 TM	482.6	88.0	240.0	4.5
24550RMX3	ChromaZone6RMX3 TM	482.6	88.0	240.0	3.5

CHROMAZONE6/12RM(X3)TM 19" Rack Mount 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

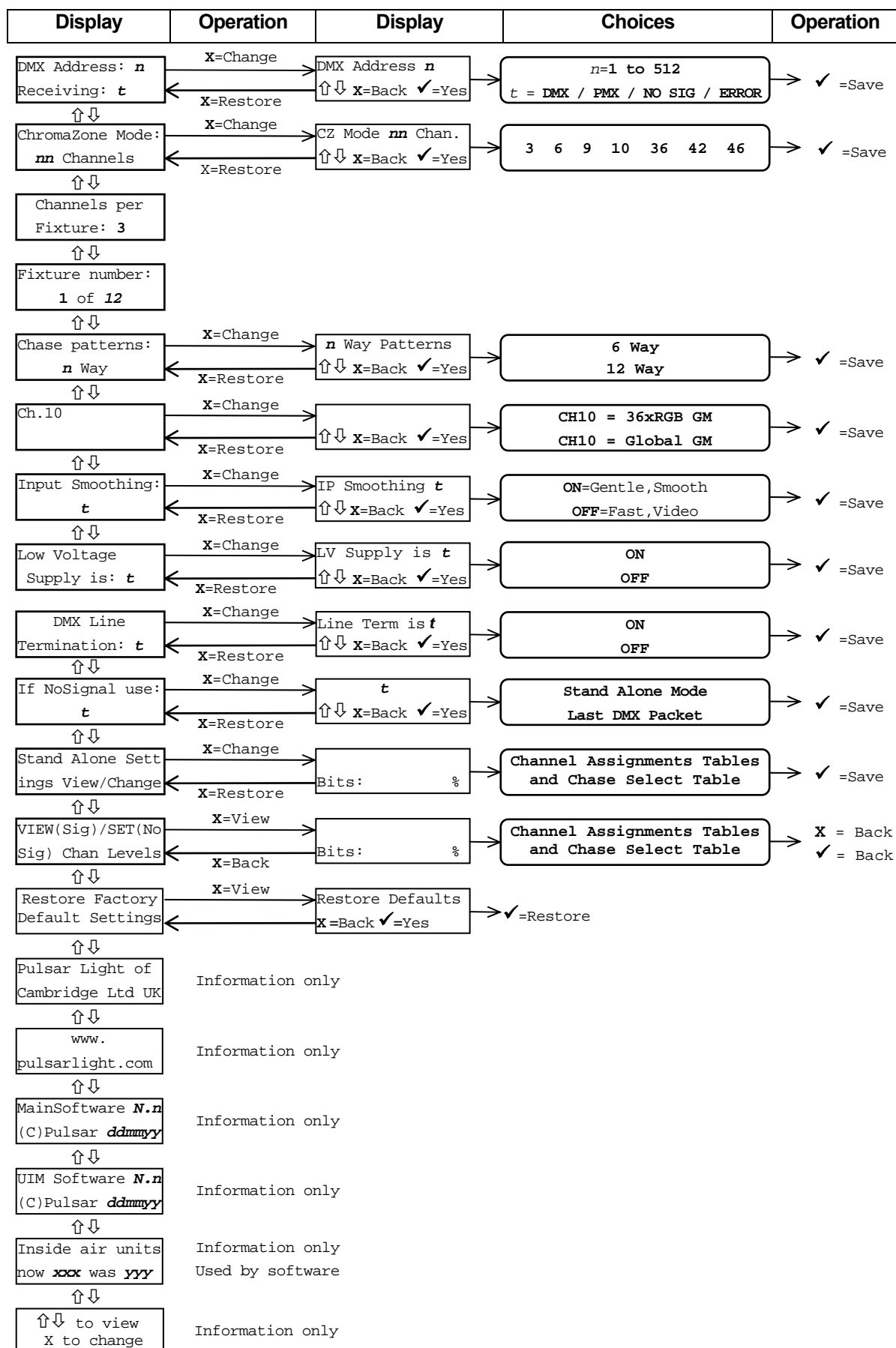
36 Channel Mode		
ChromaZone6RMX3		ChromaZone12RM(X3)
Fixture 1 of 2	Fixture 2 of 2	
1 Red 1	19 Red 1	1 Fixture 1 Red 1
2 Green 1	20 Green 1	2 Fixture 1 Green 1
3 Blue 1	21 Blue 1	3 Fixture 1 Blue 1
16 Red 6	34 Red 6	34 Fixture 1 Red 12
17 Green 6	35 Green 6	35 Fixture 1 Green 12
18 Blue 6	36 Blue 6	36 Fixture 1 Blue12

42 Channel Mode		
ChromaZone6RMX3		ChromaZone12RM(X3)
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		
ChromaZone6RMX3		ChromaZone12RM(X3)
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

CHROMAZONE6/12RM(X3)TM 19" Rack Mount

MENU SELECTION OVERVIEW



ChromaZone™ Software Version 4.0

Pulsar ChromaZone / ChromaZone6/12RMX3 / ChromaBank / ChromaFlood / ChromaBatten Software Version No. 4.0 (MAIN micro 4.0 09-09-05 + UIM micro 1.0 07-03-05) has many exciting features. • Two built in Chases – allowing superimposition of effects and cross fading 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
10	64	164	Red-Cyan / AnyCol/Op.Col Wave Reverse	All 3 at 0% = Red-Cyan
9	61	156	Black-White/AnyColour Wave Forward	Channels 1, 2 & 3 set colour
	58	148	Black-White/AnyColour Wave Reverse	All 3 at 0% = White.
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.
	23	60	White/AnyColour/AutoColour Cascade Forward	All 3 at 0% = White. All 3 at 100% = Auto Colour Change
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	

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

ON-1
OFF-0

PULSAR

ChromaZone6RMX3

50 WATTS MAX
PER OUTPUT



3 (6) CHANNEL MODE		9 (10) CHANNEL MODE	
1 All Red	2 All Green	1 All Red	2 All Green
3 All Blue		3 All Blue	
		4 Chase1 Select - see Chase Table	
		5 Chase1 Speed	
(4 Chase Select - see Chase Table)		6 Chase1 Level	
(5 Chase Speed)		7 Chase2 Select - see Chase Table	
(6 Chase Level)		8 Chase2 Speed	
		9 Chase2 Level	
		(10 Global Grand Master)	
36 CHANNEL MODE		42 CHANNEL MODE	
FIXTURE 1 OF 2	FIXTURE 2 OF 2	FIXTURE 1 OF 2	FIXTURE 2 OF 2
1 Red 1	19 Red 1	1-6 As 6Ch Mode	1-6 As 6Ch Mode
2 Green 1	20 Green 1	7 Red 1	23 Red 1
3 Blue 1	21 Blue 1	8 Green 1	20 Green 1
		9 Blue 1	27 Blue 1
16 Red 6	34 Red 6	22 Red 6	40 Red 6
17 Green 6	35 Green 6	23 Green 6	41 Green 6
18 Blue 6	36 Blue 6	24 Blue 6	42 Blue 6
48 CHANNEL MODE		48 CHANNEL MODE	
FIXTURE 1 OF 2	FIXTURE 2 OF 2	FIXTURE 1 OF 2	FIXTURE 2 OF 2
1-9 As 9 Channel Mode	10 36 x RGB Grand Master OR Global Grand Master	1-9 As 9 Channel Mode	10 36 x RGB Grand Master OR Global Grand Master
11 Red 1	29 Red 1	11 Red 1	29 Red 1
12 Green 1	30 Green 1	12 Green 1	30 Green 1
13 Blue 1	31 Blue 1	13 Blue 1	31 Blue 1
26 Red 6	44 Red 6	26 Red 6	44 Red 6
27 Green 6	45 Green 6	27 Green 6	45 Green 6
28 Blue 6	46 Blue 6	28 Blue 6	46 Blue 6

CHASE SELECT		
INPUT %	BIT No.	CHASE DESCRIPTION TABLE
100	255	Auto Chase
95	244	Green Yellow Red Bar Graph Reverse
92	230	Green Yellow Red Bar Graph Forward
89	228	Rainbow Strobe
86	220	White / Any Colour Strobe
83	212	White / Any Colour Crossover
80	204	Blue-Yellow Wave Reverse
77	196	Blue-Yellow Wave Forward
73	188	Green-Magenta Wave Reverse
70	180	Green-Magenta Wave Forward
67	172	Red-Cyan / AnyColOp.Col Wave Forward
64	164	Red-Cyan / AnyColOp.Col Wave Reverse
61	156	Black-White/Any Colour Wave Forward
58	148	Black-White/Any Colour Wave Reverse
55	140	Random Col. Chase1 Crossfade, Chase2 Snap
52	132	Rainbow 2 Crossfade Forward
48	124	Rainbow 2 Crossfade Reverse
45	116	Rainbow Crossfade Forward
42	108	Rainbow Crossfade Reverse
39	100	*Follow 3* 18 Contrasting Colours Reverse
36	92	*Follow 3* 18 Crossfading Colours Forward
33	84	18 Crossfading Colours Reverse
30	76	18 Crossfading Colours Forward
27	68	White/AnyColour/AutoColour Cascade Reverse
23	60	White/AnyColour/AutoColour Cascade Forward
20	52	6 Crossfading Pastel Colours
17	44	Colour Wipes
14	36	6 Crossfading Colours
11	28	6 Separate Colours
8	20	Red Green Blue Bar Graphs Reverse
5	12	Red Green Blue Bar Graphs Forward
0	0	No Chase



EMC DIRECTIVE
EN55022
EN55024
LOW VOLTAGE
DIRECTIVE
7323EEC

SERIAL NO.

PULSAR 2007



MADE IN EUROPE BY:
PULSAR LIGHT OF CAMBRIDGE LTD.
3 COLDHAMS BUSINESS PARK, NORMAN WAY, CAMBRIDGE, CB1 3LH, UK.
WWW.PULSARLIGHT.COM. TEL: 44(0)1223 403500 FAX: 44(0)1223 403501

MAINS
100-240V~ 50-60Hz
300W MAX



CHROMAZONE12RM & CHROMAZONE12RMX3 - 2 CIRCLES* DIFFERENTIATE BETWEEN THE TWO MODELS.

ON-1
OFF-0

PULSAR

ChromaZone12RMX3*

50 WATTS MAX
PER OUTPUT



3 (6) CHANNEL MODE		9 (10) CHANNEL MODE	
1 All Red	2 All Green	1 All Red	2 All Green
3 All Blue		3 All Blue	
		4 Chase1 Select - see Chase Table	
		5 Chase1 Speed	
(4 Chase Select - see Chase Table)		6 Chase1 Level	
(5 Chase Speed)		7 Chase2 Select - see Chase Table	
(6 Chase Level)		8 Chase2 Speed	
		9 Chase2 Level	
		(10 Global Grand Master)	
36 CHANNEL MODE		42 CHANNEL MODE	
1 Output 1 Red	2 Output 1 Green	3 Output 1 Blue	4 Output 2 Red
5 Output 2 Green			
36 Output 12 Blue			
42 CHANNEL MODE		46 CHANNEL MODE	
1-6 As 6 Channel Above	7 Output 1 Red	1-9 As 9 Channel Above	10 11-46 Grand Master or Global Grand Master
8 Output 1 Green	9 Output 1 Blue	11 Output 1 Red	12 Output 1 Green
10 Output 2 Red	11 Output 2 Green	13 Output 1 Blue	14 Output 2 Red
12 Output 2 Green	13 Output 1 Blue	15 Output 2 Red	16 Output 2 Green
42 Output 12 Blue		46 Output 12 Blue	

CHASE SELECT		
INPUT %	BIT No.	CHASE DESCRIPTION TABLE
100	255	Auto Chase
95	244	Green Yellow Red Bar Graph Reverse
92	230	Green Yellow Red Bar Graph Forward
89	228	Rainbow Strobe
86	220	White / Any Colour Strobe
83	212	White / Any Colour Crossover
80	204	Blue-Yellow Wave Reverse
77	196	Blue-Yellow Wave Forward
73	188	Green-Magenta Wave Reverse
70	180	Green-Magenta Wave Forward
67	172	Red-Cyan / AnyColOp.Col Wave Forward
64	164	Red-Cyan / AnyColOp.Col Wave Reverse
61	156	Black-White/Any Colour Wave Forward
58	148	Black-White/Any Colour Wave Reverse
55	140	Random Col. Chase1 Crossfade, Chase2 Snap
52	132	Rainbow 2 Crossfade Forward
48	124	Rainbow 2 Crossfade Reverse
45	116	Rainbow Crossfade Forward
42	108	Rainbow Crossfade Reverse
39	100	*Follow 3* 18 Contrasting Colours Reverse
36	92	*Follow 3* 18 Crossfading Colours Forward
33	84	18 Crossfading Colours Reverse
30	76	18 Crossfading Colours Forward
27	68	White/AnyColour/AutoColour Cascade Reverse
23	60	White/AnyColour/AutoColour Cascade Forward
20	52	6 Crossfading Pastel Colours
17	44	Colour Wipes
14	36	6 Crossfading Colours
11	28	6 Separate Colours
8	20	Red Green Blue Bar Graphs Reverse
5	12	Red Green Blue Bar Graphs Forward
0	0	No Chase



EMC DIRECTIVE
EN55022
EN55024
LOW VOLTAGE
DIRECTIVE
7323EEC

SERIAL NO.

PULSAR 2005



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MAINS
100-240V~ 50-60Hz
200W MAX
600W MAX*

