

# VARYTEC

Manual



## LED Moviestar RGBW

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## 1. Safety instructions



- This device is suitable for indoor use (not outdoors) only.
- All modifications to the device will void the warranty.
- Repairs are to carry out by skilled personnel only.
- Use only fuses of the same type and original parts as spare parts.
- Protect the unit from rain and humidity to avoid fire and electric shocks.
- Make sure to unplug the power supply before opening the housing.

### 1.1. For safe and efficient operation

#### **Be careful with heat and extreme temperature!**

Avoid exposing it to direct rays of the sun or near a heating appliance.  
Not put it in a temperature below 32°F /0°C, or exceeding 104°F /40°C.

#### **Keep away from humidity, water and dust!**

Do not place the set in a location with high humidity or lots of dust. Containers with water should not be placed on the set.

#### **To avoid placing on un-stable location!**

Select a level and stable location to avoid vibration.

#### **Do not use chemicals or volatile liquids for cleaning!**

Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt.

#### **If out of work, contact sales agency immediately!**

Any troubles arose, remove the power plug soon, and contact with an engineer for repairing, do not open the cabinet by yourself, it might result a danger of electric shock.

#### **Take care with the power cable!**

Never pull the power cable to remove the plug from the receptacle, be sure to hold the plug. When not using the device for an extended period of time, be sure to disconnect the plug from the receptacle.

#### **IMPORTANT!**

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems. Make sure the electrical connection is carried out by qualified personnel. All electrical and mechanical connections have to be carried out according to the European safety standards.

## 2. Designated use

This device was developed for professional use on stages, in discos, theatres etc. The device is only approved for a connection up to 230V 50/60 Hz AC voltage and only for indoor use.

Regular breaks during operation increase the lifetime of your device.

Avoid convulsions or any form of forceful impact during the installation or the start-up of the device.

Make sure that the device is not exposed excessive heat, humidity or dust at the place of installation. Take care that no cables are lying around. You would endanger your own safety and also the safety of a third party.

It is not allowed to operate or store the device in an environment in which spray water, rain, humidity or fog is expected. Humidity or very high atmospheric humidity could reduce the isolation of the device and could cause deathly electric shocks. If you use fog devices the device has not be exposed to a direct smoke jet. There has to be a safety distance of at least 0,5m between this device and the fog machine. Make sure that the saturation of the fog has to enable a visibility of at least 10m.

Operate the device not during thunderstorms. Surge voltages could destroy the device. Unplug the power supply during thunderstorms.

Surrounding objects or surfaces should not be in contact with the device.

Make sure that during the installation and removal of the device the area below the place of installation is basically cordoned off. This also applies to implementation of service.

The device has basically been protected by a suitable safety.

Make familiar yourself with the functions of the device before start-up. People without the experience should not handle with the device. The most cause of functional disorder is inappropriate handling.

Do not use chemicals or volatile liquids for cleaning. Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt.

For transport use the original packing or designated accessory to avoid damages during the transport.

### **For reasons of safety unauthorized changes are forbidden.**

A usage of the device which differs from usages which are described in this manual can cause damages of the device. In that case the warranty expires. Additional you should notice that every differed usage is related with dangers and can cause e.g. an electrical short, fire, electric shock or crash.

## 2.1. Overhead installation



### **Danger of life!**

**You have to observe the regulations of BGV C1 (formerly VBG 70) and EN60598-2-17 Installations are to carry out by skilled personnel only.**

The suspension devices have to be build and measured so they can withstand for an hour the tenfold of the payload without suffering a permanent detrimental deformation.

Basically installation has to be made by using a second separate suspension. This can be e.g. a suitable net. The second suspension must be designed and attached so no part of the installation can fall down in case of failure.

During construction, reconstruction and deconstruction unnecessary stay in the range of moving areas, on lightning bridges, under elevated work stations or any other danger zones is forbidden.

The operator is obliged to following safety-related and mechanical facilities:

- Before the first start-up or after critical changes before restarting it has to be checked by an expert.
- Review in the frame of the inspection test at least all four years by an expert. .
- Review by a qualified person at least once a year.

### **How to carry out the overhead installation:**

In tidal fall you should install the device out of the lounge area of people

### **IMPORTANT!**

Overhead installation requires a high level of experience. This includes knowledge of calculating the payload, used installation material and safety inspections of the used material and the projector whereas the required experience is not limited to this. Do not try to carry out installation yourself under any circumstances if you are not qualified. Contact a professional installer. An inappropriate installation can lead to injuries and/or damaged properties.

It is not allowed to install the device in the grip area of people.

If the device may hang from the ceiling or from high beams, the use of truss systems is mandatory. The device may not be installed so it can swing freely in the room.

Please note: Crashing down items can cause serious injuries! Do not install the projector, if you doubt the safety of a possible installation form!

Before installation make sure that the mounting surface has the ability to carry the tenfold point load of the own weight of the device.

Mount the device with the mounting-bracket to your trussing system using an appropriate clamp.

During overhead installation the device must be always secured by a safety rope which is designed to hold the twelvefold weight of device. Only safety ropes with quick-release safety fastener elements may be used. Hang up the safety rope in the hole of the mounting bracket. Direct the rope over the truss or an appropriate fastening point. Hang up the end in the fastening element and tie up the locking nut. A safety rope once exposed to failing load or damaged may not be used furthermore.

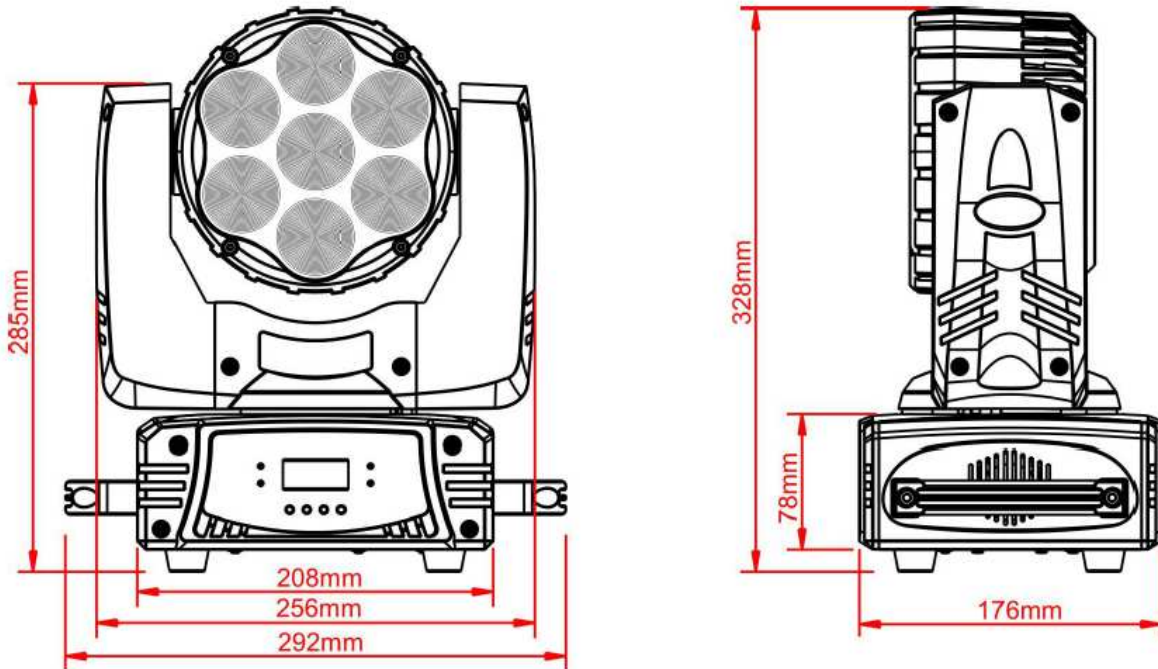
**The maximum drop exceed must not exceed 20cm.**

A safety rope once exposed to failing load or damaged may not be used furthermore.  
Adjust the desired inclination angle via the mounting bracket and tighten the screw.

### 3. Introduction

Thank you for buying the **LED Moviestar RGBW**. It is a powerful device.  
For a successful installation and operation, please read this manual carefully.

#### 3.1. Dimensions



## 4. Connections

### 4.1. Electrical connections

If you wish to change the power supply settings, see the chapter Appendix. Connect the fixture to the mains with the enclosed power cable and plug. The earth has to be connected.

Cable (EU)	Cable (US)	Pin	International
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	⊕

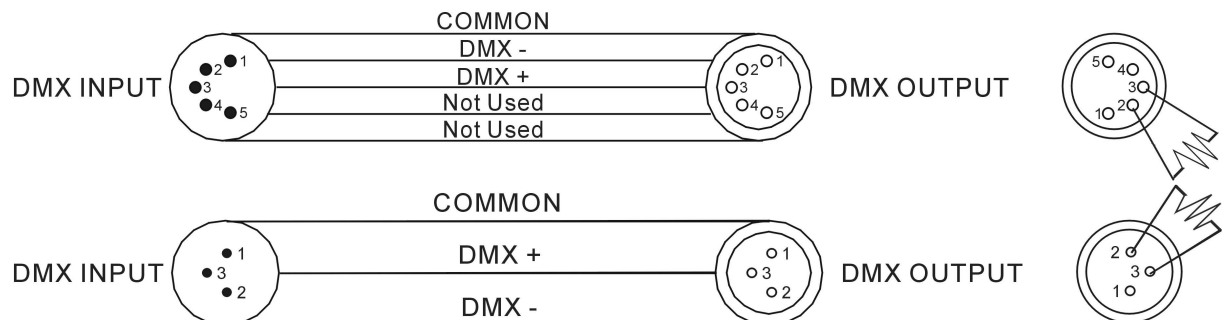
### 4.2. DMX connections

To make a DMX512 connection go ahead like it is described in the picture. Make sure that you use shielded cable. 3pole or 5pole XLR cables are suitable.

Important! After the last device the line has to be terminated. In order to do this you have to solder a 120Ω resistor between the pins Data + and Data -. You can solder this end resistor on a 3pin or 5pin XLR: Plug this adapter into the DMX output of the device.

### 4.3. DMX connection with terminator

Where the DMX cable has to run a long distance or the equipment is operated in an electrically noisy environment like a disco for installations, we recommend using a DMX terminator. This prevents corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR connector with a 120 Ω resistor between pins 2 and 3, which is then plugged into the XLR output socket of the last device in the series. Please look to the bottom drawings.





## 5. Control

To get to the main menu, press MENU. You are now in the main menu. You can select the menu items by using the UP / DOWN keys. When the function appears, you want to change, press the ENTER button. The following values can use the UP /DOWN change keys and press the ENTER key. To come up one menu level, press the MENU button again. For details on the functions you will learn in the next points of this manual.

### 5.1. Structure of the menu

DMX Address	000-512		Setting the DMX address.
Channel Mode	1Chan		Choosing one DMX mode.
	9Chan		
	12Chan		
	16Chan		
	28Chan		
Show Mode	Show1		Choosing a pre-programmed show.
	Show2		
	Show3		
	Show4		
Dimmer Curve	Mode 1		Optically Linear The light intensity appears to be linear as DMX value is increased.
	Mode 2		Square Law The light intensity control is finer at low levels and coarser at high levels.
	Mode 3		Inverse Square Law The light intensity control is coarser at low levels and finer at high levels.
	Mode 4		S-Curve The light intensity control is finer at low levels and high levels and coarser at medium levels.
Slave Mode	Slave 1		Choosing a slave mode.
	Slave 2		
	Master		The device is set as master.
Blackout	Yes/No		(De-)Activate the Blackout, if the DMX signal gets lost.
	Freeze		If the DMX value gets lost the last received DMX value is hold.
Sound State	On/Off		(De-)Activate the Sound-to-light mode.
Sound Sense	000-100		Setting the sensitivity of the microphone.
Pan Inverse	Yes/No		(De-)Activate the Pan inverse.
Tilt Inverse	Yes/No		(De-)Activate the Tilt inverse.
Backlight	On/Off		(De-)Activate the display light.
Function Delay	1s Delay		Choosing the delay until the functions of DMX modes are activated.
	2s Delay		
	3s Delay		
	No Delay		

White Balance	Red	000-255	Calibrate RGB.
	Green	000-255	
	Blue	000-255	
Manual Test	Pan	000-255	Manual settings of the basic functions.
	Tilt	000-255	
	Red1	000-255	
	Green1	000-255	
	Blue	000-255	
	White	000-255	
	Red2	000-255	
	Green2	000-255	
	Blue2	000-255	
	White2	000-255	
	Red3	000-255	
	Green3	000-255	
	Blue3	000-255	
	White3	000-255	
	Red4	000-255	
	Green4	000-255	
	Blue4	000-255	
	White	000-255	
	Dimmer	000-255	
Strobe	000-255		
Auto Test			Test function is active.
Temp.	xxxx		The actual temperature of the LEDs is shown.
Fixture Times	xxxx		The time of the device is shown.
Defaults	Confirm?Yes/No	Pro default	You can change the internal programs with this function.
		Auto def	
Reset			Reset

## 6. DMX chart

### 6.1. Mode 1 (1 channel)

Channel	Value from	Value to	Function
1	0	7	No function
	8	67	Show 1
	68	127	Show 2
	128	187	Show 3
	188	247	Show 4
	248	255	Random Show

### 6.2. Mode 2 (9 channels)

Channel	Value from	Value to	Function
1	0	255	Pan
2	0	255	Tilt
3			Strobe
	0	15	No function
	16	131	Strobe slow-fast
	132	139	No function
	140	181	Fast opening, slow closing
	182	189	No function
	190	231	Slow opening, fast closing
	232	239	No function
	240	247	Random strobe
248	255	No function	
4	0	255	Dimmer red 0-100%
5	0	255	Dimmer green 0-100%
6	0	255	Dimmer blue 0-100%
7	0	255	Dimmer white 0-100%
8	0	255	Dimmer 0-100%
9			Functions
	0	69	No function
	70	79	Activate the Blackout while Pan/Tilt movements
	80	89	Deactivate the Blackout while Pan/Tilt movements
	90	199	No function
	200	209	Reset
	210	239	No function
240	255	Stand alone	

### 6.3. Mode 3 (12 channels)

Channel	Value from	Value to	Function
1			Shutter
	0	19	Shutter closed
	20	49	Shutter open
	50	64	Strobe 1 fast-slow
	65	69	Shutter open
	70	84	Strobe 2 fast-slow
	85	89	Shutter open
	90	104	Strobe 3 fast-slow
	105	109	Shutter open
	110	124	Strobe 4 fast-slow
	125	129	Shutter open
	130	144	Strobe 5 fast-slow
	145	149	Shutter open
	150	164	Strobe 6 fast-slow
	165	169	Shutter open
	170	184	Strobe 7 fast-slow
	185	189	Shutter open
	190	204	Strobe 8
	205	209	Shutter open
	210	224	Strobe 9
225	229	Shutter open	
230	244	Strobe 10	
245	255	Shutter open	
2	0	255	Dimmer 0-100%
3	0	255	Pan
4	0	255	Pan fine
5	0	255	Tilt
6	0	255	Tilt fine
7			Functions
	0	9	No function
	10	14	Reset
	15	39	No function
	40	44	Speed Pan/Tilt: Normal
	45	49	Speed Pan/Tilt: Fast
	50	54	Speed Pan/Tilt: Slow
	55	59	No function
	60	64	Fan mode: Full
	65	69	No function
	70	74	Fan mode: Regulated
	75	89	No function
	90	94	RGB calibrated.
	95	99	No function
	100	104	RGB not calibrated.

	105	109	No function.
	110	114	Fast dimming
	115	119	No function
	120	124	slow dimming
	125	129	No function
	130	134	Activate the Blackout while Pan/Tilt movements
	135	139	No function
	140	144	Deactivate the Blackout while Pan/Tilt movements
	145	249	No function
	250	255	Display illuminated.
			Colors
	0	9	No function
	10	14	LEE 122 Lighter Green
	15	19	LEE 157 Pink
	20	24	LEE 332 Special Rose Pink
	25	29	LEE 328 Follies Pink
	30	34	LEE 345 Fuchsia Pink
	35	39	LEE 194 Surprise Pink
	40	44	LEE 181 Congo Blue
	45	49	LEE 071 Tokyo Blue
	50	54	LEE 120 Deep Blue
	55	59	LEE 079 Just Blue
	60	64	LEE 132 Medium Blue
	65	69	LEE 200 Double CT Blue
	70	74	LEE 161 Slate Blue
	75	79	LEE 201 Full CT Blue
	80	84	LEE 202 Half CT Blue
8	85	89	LEE 117 Steel Blue
	90	94	LEE 353 Lighter Blue
	95	99	LEE 118 Light Blue
	100	104	LEE 116 Medium Blue Green
	105	109	LEE 124 Dark Green
	110	114	LEE 139 Primary Green
	115	119	LEE 089 Moss Green
	120	124	LEE 122 Fern Green
	125	129	LEE 738 JAS Green
	130	134	LEE 088 Lime Green
	135	139	LEE 100 Spring Yellow
	140	144	LEE 104 Deep Amber
	145	149	LEE 179 Chrome Orange
	150	154	LEE 105 Orange
	155	159	LEE 021 Gold Amber
	160	164	LEE 778 Millennium Gold
	165	169	LEE 135 Deep Golden Amber
	170	174	LEE 164 Flame Red

	175	179	No function
			Color change, Effect similar to a color wheel
	180	201	Color change clockwise fast-slow
	202	207	Stop at a color
	208	229	Color change counter clockwise slow-fast
	230	234	No function
			Color change random
	235	239	Speed: Fast
	240	244	Speed: Medium
	245	249	Speed: Slow
	250	255	No function
9	0	255	Dimmer red 0-100%
10	0	255	Dimmer green 0-100%
11	0	255	Dimmer blue 0-100%
12	0	255	Dimmer white 0-100%

#### 6.4. Mode 4 (16 channels)

Channel	Value from	Value to	Function
1			Shutter
	0	19	Shutter closed
	20	49	Shutter open
	50	64	Strobe 1 fast-slow
	65	69	Shutter open
	70	84	Strobe 2 fast-slow
	85	89	Shutter open
	90	104	Strobe 3 fast-slow
	105	109	Shutter open
	110	124	Strobe 4 fast-slow
	125	129	Shutter open
	130	144	Strobe 5 fast-slow
	145	149	Shutter open
	150	164	Strobe 6 fast-slow
	165	169	Shutter open
	170	184	Strobe 7 fast-slow
	185	189	Shutter open
	190	204	Strobe 8
	205	209	Shutter open
	210	224	Strobe 9
225	229	Shutter open	
230	244	Strobe 10	
245	255	Shutter open	
2	0	255	Dimmer 0-100%
3	0	255	Pan
4	0	255	Pan fine
5	0	255	Tilt

6	0	255	Tilt fine
			Functions
7	0	9	No function
	10	14	Reset
	15	39	No function
	40	44	Speed Pan/Tilt: Normal
	45	49	Speed Pan/Tilt: Fast
	50	54	Speed Pan/Tilt: Slow
	55	59	No function
	60	64	Fan mode: Full
	65	69	No function
	70	74	Fan mode: Regulated
	75	89	No function
	90	94	RGB calibrated.
	95	99	No function
	100	104	RGB not calibrated.
	105	109	No function.
	110	114	Fast dimming
	115	119	No function
	120	124	Slow dimming
	125	129	No function
	130	134	Activate the Blackout while Pan/Tilt movements
	135	139	No function
	140	144	Deactivate the Blackout while Pan/Tilt movements
	145	249	No function
	250	255	Display illuminated.
	8		
0		9	No function
10		14	LEE 122 Lighter Green
15		19	LEE 157 Pink
20		24	LEE 332 Special Rose Pink
25		29	LEE 328 Follies Pink
30		34	LEE 345 Fuchsia Pink
35		39	LEE 194 Surprise Pink
40		44	LEE 181 Congo Blue
45		49	LEE 071 Tokyo Blue
50		54	LEE 120 Deep Blue
55		59	LEE 079 Just Blue
60		64	LEE 132 Medium Blue
65		69	LEE 200 Double CT Blue
70		74	LEE 161 Slate Blue
75		79	LEE 201 Full CT Blue
80		84	LEE 202 Half CT Blue
85		89	LEE 117 Steel Blue
90		94	LEE 353 Lighter Blue

	95	99	LEE 118 Light Blue	
	100	104	LEE 116 Medium Blue Green	
	105	109	LEE 124 Dark Green	
	110	114	LEE 139 Primary Green	
	115	119	LEE 089 Moss Green	
	120	124	LEE 122 Fern Green	
	125	129	LEE 738 JAS Green	
	130	134	LEE 088 Lime Green	
	135	139	LEE 100 Spring Yellow	
	140	144	LEE 104 Deep Amber	
	145	149	LEE 179 Chrome Orange	
	150	154	LEE 105 Orange	
	155	159	LEE 021 Gold Amber	
	160	164	LEE 778 Millennium Gold	
	165	169	LEE 135 Deep Golden Amber	
	170	174	LEE 164 Flame Red	
	175	179	No function	
			Color change, Effect similar to a color wheel	
	180	201	Color change clockwise fast-slow	
	202	207	Stop at a color.	
	208	229	Color change counter clockwise slow-fast	
	230	234	No function	
			Color change Random	
	235	239	Speed: Fast	
	240	244	Speed: Medium	
	245	249	Speed: Slow	
	250	255	No function	
9	0	255	Dimmer red 0-100%	
10	0	255	Dimmer green 0-100%	
11	0	255	Dimmer blue 0-100%	
12	0	255	Dimmer white 0-100%	
13			Color macros	
		0	7	No function
		8	11	Color 1
		12	15	Color 2
		16	18	Color 3
		19	22	Color 4
		23	25	Color 5
		26	29	Color 6
		30	33	Color 7
		34	36	Color 8
		37	40	Color 9
		41	43	Color 10
		44	47	Color 11
		48	51	Color 12
	52	54	Color 13	



55	58	Color 14
59	61	Color 15
62	65	Color 16
66	69	Color 17
70	72	Color 18
73	76	Color 19
77	79	Color 20
80	83	Color 21
84	87	Color 22
88	90	Color 23
91	94	Color 24
95	97	Color 25
98	101	Color 26
102	105	Color 27
106	108	Color 28
109	112	Color 29
113	115	Color 30
116	119	Color 31
		Color changes
120	123	Color change 1
124	127	Color change 2
128	131	Color change 3
132	135	Color change 4
136	139	Color change 5
140	144	Color change 6
145	147	Color change 7
148	151	Color change 8
152	156	Color change 9
157	159	Color change 10
160	164	Color change 11
165	167	Color change 12
168	171	Color change 13
172	175	Color change 14
176	179	Color change 15
180	183	Color change 16
184	187	Color change 17
188	191	Color change 18
		Color change with Fade
192	196	Color change with Fade 1
197	199	Color change with Fade 2
200	203	Color change with Fade 3
204	207	Color change with Fade 4
208	211	Color change with Fade 5
212	215	Color change with Fade 6
216	219	Color change with Fade 7
220	223	Color change with Fade 8

	224	227	Color change with Fade 9
	228	231	Color change with Fade 10
	232	235	Color change with Fade 11
	236	239	Color change with Fade 12
	240	243	Color change with Fade 13
	244	247	Color change with Fade 14
	248	251	Color change with Fade 15
	252	255	Color change with Fade 16
14	0	255	Speed for Channel 13 slow-fast
15			Pan/Tilt Macros
	0	15	No function
	16	35	Macro 1
	36	55	Macro 2
	56	75	Macro 3
	76	95	Macro 4
	96	115	Macro 5
	116	135	Macro 6
	136	155	Macro 7
	156	175	Macro 8
	176	195	Macro 9
	196	215	Macro 10
	216	235	Macro 11
236	255	Macro 12	
16	0	255	Speed for Channel 15 slow-fast

### 6.5. Mode 5 (28 channels)

Channel	Value from	Value to	Function
1	0	255	Pan
2	0	255	Pan fine
3	0	255	Tilt
4	0	255	Tilt fine
5	0	255	Speed Pan/Tilt
6			Pan/Tilt Macros
	0	15	No function
	16	35	Macro 1
	36	55	Macro 2
	56	75	Macro 3
	76	95	Macro 4
	96	115	Macro 5
	116	135	Macro 6
	136	155	Macro 7
	156	175	Macro 8
	176	195	Macro 9
	196	215	Macro 10
	216	235	Macro 11

	236	255	Macro 12
7	0	255	Speed for Channel 6 slow-fast
8			functions
	0	69	No function
	70	79	Activate the Blackout while Pan/Tilt movements
	80	89	Deactivate the Blackout while Pan/Tilt movements
	90	199	No function
	200	209	Reset
	210	239	No function
	240	255	Stand alone
9	0	255	Dimmer 0-100%
10			Strobe
	0	15	No function
	16	131	Strobe slow-fast
	132	139	No function
	140	181	Fast Opening, slow closing
	182	189	No function
	190	231	slow Opening, fast closing
	232	239	No function
	240	247	Random strobe
	248	255	No function
11	0	255	Dimmer red LED 1+2 0-100%
12	0	255	Dimmer green LED 1+2 0-100%
13	0	255	Dimmer blue LED 1+2 0-100%
14	0	255	Dimmer white LED 1+2 0-100%
15	0	255	Dimmer red LED 3 0-100%
16	0	255	Dimmer green LED 3 0-100%
17	0	255	Dimmer blue LED 3 0-100%
18	0	255	Dimmer white LED 3 0-100%
19	0	255	Dimmer red LED 4+5 0-100%
20	0	255	Dimmer green LED 4+5 0-100%
21	0	255	Dimmer blue LED 4+5 0-100%
22	0	255	Dimmer white LED 4+5 0-100%
23	0	255	Dimmer red LED 6+7 0-100%
24	0	255	Dimmer green LED 6+7 0-100%
25	0	255	Dimmer blue LED 6+7 0-100%
26	0	255	Dimmer white LED 6+7 0-100%
27			Color macros
	0	7	No function
	8	11	Color 1
	12	15	Color 2
	16	18	Color 3
	19	22	Color 4
	23	25	Color 5
	26	29	Color 6

30	33	Color 7
34	36	Color 8
37	40	Color 9
41	43	Color 10
44	47	Color 11
48	51	Color 12
52	54	Color 13
55	58	Color 14
59	61	Color 15
62	65	Color 16
66	69	Color 17
70	72	Color 18
73	76	Color 19
77	79	Color 20
80	83	Color 21
84	87	Color 22
88	90	Color 23
91	94	Color 24
95	97	Color 25
98	101	Color 26
102	105	Color 27
106	108	Color 28
109	112	Color 29
113	115	Color 30
116	119	Color 31
		Color change
120	123	Color change 1
124	127	Color change 2
128	131	Color change 3
132	135	Color change 4
136	139	Color change 5
140	144	Color change 6
145	147	Color change 7
148	151	Color change 8
152	156	Color change 9
157	159	Color change 10
160	164	Color change 11
165	167	Color change 12
168	171	Color change 13
172	175	Color change 14
176	179	Color change 15
180	183	Color change 16
184	187	Color change 17
188	191	Color change 18
		Color change with Fade
192	196	Color change with Fade 1

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	197	199	Color change with Fade 2
	200	203	Color change with Fade 3
	204	207	Color change with Fade 4
	208	211	Color change with Fade 5
	212	215	Color change with Fade 6
	216	219	Color change with Fade 7
	220	223	Color change with Fade 8
	224	227	Color change with Fade 9
	228	231	Color change with Fade 10
	232	235	Color change with Fade 11
	236	239	Color change with Fade 12
	240	243	Color change with Fade 13
	244	247	Color change with Fade 14
	248	251	Color change with Fade 15
	252	255	Color change with Fade 16
28	0	255	Speed for Channel 28 slow-fast

## 7. Technical data

<b>Power supply</b>	
Voltage	100-240 V / 50-60 Hz
Power consumption max.	250 W
<b>Light source</b>	
LM type	LED 4in1
Color spectrum	RGBW
Power	224 W
Number/Power	7 x 32 W
<b>Optics</b>	
Beam angle	5°
<b>Connections</b>	
Current in	P-Con
XLR in/out	XLR 3pol
<b>Functions</b>	
Pan	630°
Tilt	240°
<b>Controlling</b>	
Sound-to-Light	Yes
Automatic	Yes
DMX512	Yes
Number of DMX channels	1/9/12/16/28
<b>Hardware</b>	
Dimensions (L/B/H)	176 x 292 x 328 mm
Weight	5,5 kg



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